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Introduction

Catalog Effective Date

The provisions of this online catalog apply to students entering at the beginning of or after the first semester of the 2016-2017 academic year. In general, a student can expect to follow guidelines in the catalog for up to six years. However, the catalog is subject to change as indicated below.

Change of Catalog Information

Offerings in this catalog (including individual courses, major and minor subjects, groups of courses leading to degrees and other degree requirements) are subject to such changes as appropriations or enrollment may warrant or the University determines appropriate, from time to time and without prior notice, and to other deviations as may be authorized or required by law.

When changes are made, either in academic programs, policies, or other matters, the changes may first appear in the University's online policy manual, Schedule of Classes, or the departmental/unit web pages accompanied by the effective date designating when the change becomes effective. When the next online catalog is published, these changes are added.

Nondiscrimination Policy

Texas Woman's University strives to create and actively promote a welcoming and supportive environment in order to recruit, hire, retain and support a culturally diverse faculty, staff, and student body. TWU provides an environment of nondiscrimination and affirmative action for everyone. As a part of the Texas Woman's University's program for equal opportunity, the policy statement on nondiscrimination is as follows:

In compliance with the Equal Pay Act of 1963, as amended; Title VI and VII of the Civil Rights Act of 1964, as amended; the Equal Employment Opportunity Act of 1972; the Age Discrimination in Employment Act of 1967, as amended; the Americans with Disabilities Act of 1990, as amended; Title IX of the Education Amendments Act of 1972, as amended; Sections 503 and 504 of the Rehabilitation Act of 1973; the Employee Retirement Income Security Act of 1974, as amended; the Vietnam Era Veteran's Readjustment Assistance Act of 1974; the Civil Rights Act of 1991, as amended; the Worker Adjustment and Retraining Notification Act of 1988; Equal Rights under the Law, 42 U.S.C. §1981; State of Texas Anti-Discrimination Laws, and federal, state and local human rights, fair employment and other laws; the University does not discriminate against any person on the basis of race, age, color, religion, sex, sexual orientation, gender identity or expression, national or ethnic origin, veteran's status, or against qualified individuals with disabilities.

This Statement forms a baseline from which the TWU community works to assure fairness and equity to all who pursue their educational and professional goals at this University. Retaliation against individuals who in good faith, file a claim of discrimination or otherwise oppose discriminatory actions or practices will not be tolerated.

Inquiries or questions concerning University policies or procedures may be directed to the designated officials named below:

- Equal Employment Opportunity/Affirmative Action Officer:

  Senior Associate Vice President of Human Resources and CHRO
  Office of Human Resources
  Texas Woman's University
  P.O. Box 425739
  Denton, TX 76204

- Title VI Officer:

  Vice President for Student Life
  Student Life Office
  Texas Woman's University
  P.O. Box 425379
  Denton, TX 76204-5379

- Title IX Officer:

  Assistant Director of Employee Relations
  Office of Human Resources
  Texas Woman's University
  P.O. Box 425739
  Denton, TX 76204

- Americans with Disabilities Act Officer:

  Senior Associate Vice President of Human Resources and CHRO
  Office of Human Resources
  Texas Woman's University
  P.O. Box 425739
  Denton, TX 76204

- For information on accommodations, students should contact:

  Director of Disability Support Services
  P.O. Box 425966
  Texas Woman's University
  Denton, TX 76204

Family Educational Rights and Privacy Act (FERPA)

Pursuant to the Family Educational Rights and Privacy Act (http://www.twu.edu/registrar/academic-records-policy.asp) (FERPA), the University has established policies relating to the accessibility of student information in the custody of Texas Woman's University. The TWU FERPA policy appears in its entirety in the TWU policy manual, policy number 2.43. It is the policy of Texas Woman's University to obtain the written consent of a student before disclosing personally identifiable information from that student's education records other than directory information and information requested for official use.

Requesting Copies of Education Records

Copies of education records to which students have access will be available at the student's written and signed request. The copies will be ready for the student within a reasonable period of time following the submission of the written request. There is no charge to students for copies of their records other than requests for official transcripts. Copies of unofficial transcripts may be obtained free of charge in the Office of the Registrar or through WebAdvisor. For official transcripts, there is a $10 charge per transcript request and all outstanding financial obligations to the University must be cleared. For more information on requesting either an unofficial transcript or ordering official transcripts, please visit the Office of the Registrar (http://www.twu.edu/registrar/transcript-request.asp).

Disclosure of Education Records and Directory Information

It is the policy of Texas Woman's University to obtain the written consent of a student before disclosing personally identifiable information from that student's education records other than directory information and information requested for official use. Those who may obtain academic records, other than directory information, without prior written consent may include:

1. TWU school officials with a legitimate educational interest
2. Officials of other schools where the student seeks or intends to enroll
3. Certain representatives of the federal government
4. State educational authorities
5. Governmental representatives in connection with financial aid for which a student has applied
6. Organizations conducting studies for or on behalf of educational institutions or agencies for testing purposes, student aid programs, and instructional improvement
7. Accrediting organizations
8. Those responsible for ensuring compliance with a judicial order
9. Appropriate parties in a health and/or safety emergency
10. Parents of a dependent student as defined in Section 152 of the Internal Revenue Code of 1954

Education records are those records, files, documents, and other materials which:

1. Contain information directly related to a student and
2. Are maintained by an educational agency or institution.

Directory Information

Directory information means information contained in the education record of a student that would generally not be considered harmful or an invasion of privacy if disclosed. The following types of student information at TWU are considered "directory" for the purposes of this policy:

- Name

- Local and permanent address
- TWU e-mail address
- Telephone listing
- Month, day, and place of birth
- Major field of study
- Participation in officially recognized activities and sports
- Weight and height of members of athletic teams
- Dates of attendance
- Enrollment status (e.g., undergraduate or graduate; full-time or part-time)
- Classification
- Degrees, awards, and honors received (including selection criteria)
- Expected graduation date
- Dissertation and thesis titles
- Most previous school attended
- Photograph

To prohibit directory information from being disclosed the student must submit the Request to Withhold Directory Information (http://www.twu.edu/downloads/registrar/Request_to_Withhold_Directory_Information.pdf) form to the Office of the Registrar (http://www.twu.edu/registrar/default.asp) by 5:00 p.m. of the Census Date for the semester. Check the Academic Calendar (http://twu.edu/registrar/academic-calendars.asp) for Census Dates.

Limitations on Right to Review Education Records

Educational records to which students may have access do not include the following:

- Financial records and statements of their parents or any information contained therein, without parents' authorization.
- Records which are "created or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional" acting in a professional capacity which are created or used only in connection with the provision of treatment for the student and which are held in strict confidence, provided they may be personally reviewed by a physician or other appropriate professional of the student's choice.
- Working records which are the sole possessions of instructional, supervisory, administrative, and educational personnel provided they are "not accessible or revealed to any other person except a substitute."
- Confidential letters and/or statements written prior to January 1, 1975, and those written with a documented understanding of confidentiality.

Request to Amend Education Records

A student who believes that information contained in education records is inaccurate or misleading may request that the record(s) be amended. The student should first meet with the administrative or faculty official responsible for the record.

If such a meeting is not sufficient to resolve the difference, the matter should be reviewed by the appropriate dean. If the differences remain unresolved, the student should submit a written request for a hearing to the appropriate Vice President. The student will be informed well in advance of the date, place, and time of the hearing. Opportunity will be afforded the student to present evidence related to the issue in question. The student may be represented by individuals of her/his choice. A decision in writing will be provided to the student within a reasonable period of time after the conclusion of the hearing.

A request to amend a grade, or a hearing to contest the assignment of a grade, is not allowed under this procedure. However, one may contest whether or not the grade was recorded accurately. The procedure indicated above does not apply to placement credentials.

Student Access

Students may inspect and review their education records upon request and upon completion of a form supplied by the component maintaining the records in question. Access is given to a student within a reasonable period of time, but in no case more than 45 days after the request has been made. An appropriate administrative official or member of the faculty will obtain the record for the student and will be present while the student reviews the record.

Education Records

Education records of the University are contained in the offices of the:

1. University Registrar
2. Dean of the Graduate School
3. Director of Career and Employment Services
4. Associate Provost for Technology

5. Director of Student Financial Aid
6. Director of University Health Services
7. Provost
8. Vice President for Student Life

Privacy Statement

Texas Woman's University respects student privacy. Certain classes may include interactive components that are recorded and/or transmitted to other sites. Electronic archival of recorded classroom instruction shall remain the sole and complete property of TWU and may be distributed to enrolled students unable to receive instruction due to technical difficulties or extraordinary circumstances. Personal information provided via e-mail, interactive instruction or through other online means will be used only for purposes necessary to serve enrolled students' needs, such as responding to an inquiry, earning academic credit or fulfilling other requests for information. For more information about the privacy statement, please contact the Office of Information Services at 940-898-3980 or through regular mail at:

Information Services
P.O. Box 425797
Denton, Texas 76204-5797

Transcripts

For information on obtaining an official or unofficial TWU transcript, see the Transcript Request (p. 66) section of this catalog.

Changing Name and Other Personal Information

To change or correct personal information in academic records, see the Changing Name and Other Personal Information (p. 67) section of this catalog.

Officers of Administration

Board of Regents

ANNA MARIA FARIAS, Esq., San Antonio, Vice Chair/Assistant Presiding Officer
DEBBIE GIBSON, Houston
MONICA MATHIS, Sherman, Student Regent
ANN SCANLON McGINITY, Ph.D., Pearland
NANCY PAINTER PAUP, Fort Worth
NOLAN E. PEREZ, M.D., Harlingen
GEORGE R. SCHRADER, Dallas
MELISSA D. TONN, M.D., Dallas
MARY PINCOFFS WILSON, Austin, Chair/Presiding Officer
REGENT VACANCY

Officers of Administration

Chancellor and President

CARINE M. FEYTEN, Ph.D.

The Chancellor's Cabinet

LEWIS J. BENAVIDES, Senior Associate Vice President for Human Resources and CHRO
B.J. CRAIN, Interim Vice President for Finance and Administration
CHRISTOPHER JOHNSON, Chief of Staff
MONICA MENDEZ-GRANT, Ed.D., Vice President for Student Life
ROBERT NEELY, Ph.D., Provost and Vice President for Academic Affairs
ROBERT B. PLACIDO, Ph.D., Associate Provost for Technology and CIO
CINDY POLLARD, M.A., Associate Vice President for Marketing and Communications and CMCO
GARY T. RAY, M.Ed., Vice President for Enrollment Services
HEIDI TRACY, Vice President for University Advancement
DESTINEE N. WAITERS, J.D., Associate Vice President of Compliance and General Counsel

The Graduate School

RUTH A. JOHNSON, Ph.D., Associate Dean of the Graduate School
LARRY LeFLORE, Ph.D., Dean of the Graduate School

Colleges

RON HOVIS, MBA, Interim Dean, College of Health Sciences
ANITA HUFFT, Ph.D., Dean, College of Nursing
ABIGAIL TILTON, Ph.D., Dean, College of Arts and Sciences
JERRY WHITWORTH, Ed.D., Interim Dean, College of Professional Education

Graduate Degrees Offered at TWU

For a list of undergraduate level degrees offered, visit the Undergraduate Catalog (http://catalog.twu.edu/undergraduate/degrees-offered-twu).

* Denotes Distance Education (http://catalog.twu.edu/undergraduate/general-information/distance-education) completion degree available.

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History - M.A. (p. 100)	History and Government (p. 97)	Arts and Sciences (p. 79)
Government - M.A. (p. 102)	History and Government (p. 97)	Arts and Sciences (p. 79)
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Advanced Study: Educational Diagnostician - P.M. Certificate (p. 234)	Teacher Education (p. 218)	Professional Education (p. 181)
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Library Science - M.A. * (p. 241)	Library and Information Studies (p. 236)	Professional Education (p. 181)
Library Science/Health Studies - M.L.S/M.S. (p. 242)	Library and Information Studies (p. 236)	Professional Education (p. 181)
Evidence-Based Health Science Librarianship - P.M. Certificate * (p. 243)	Library and Information Studies (p. 236)	Professional Education (p. 181)

School Librarianship - P.M. Certificate * (p. 244)	Library and Information Studies (p. 236)	Professional Education (p. 181)
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Kinesiology - M.S. * (p. 271)	Kinesiology (p. 265)	Health Sciences (p. 246)
Kinesiology - Ph.D. (p. 272)	Kinesiology (p. 265)	Health Sciences (p. 246)
Adapted Physical Education - P.B. Certificate (p. 273)	Kinesiology (p. 265)	Health Sciences (p. 246)
Leadership in Education and Sport - P.B. Certificate * (p. 273)	Kinesiology (p. 265)	Health Sciences (p. 246)
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Food Science and Flavor Chemistry - M.S. (p. 282)	Nutrition and Food Sciences (p. 275)	Health Sciences (p. 246)
Food Systems Administration - M.S. * (p. 283)	Nutrition and Food Sciences (p. 275)	Health Sciences (p. 246)
Nutrition - M.S. * (p. 283)	Nutrition and Food Sciences (p. 275)	Health Sciences (p. 246)
Nutrition - Ph.D. (p. 285)	Nutrition and Food Sciences (p. 275)	Health Sciences (p. 246)
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General Information

The University

Texas Woman's University was founded by the Texas legislature in 1901 as the Girls Industrial College. It has long served a unique role in Texas and beyond as an institution of higher education. When there were few Texas institutions that fully embraced women as students, TWU welcomed them with a liberal arts education and career preparation in an environment that fostered them as learners, scholars, citizens and leaders who could—and did—contribute to the vitality of their families, employment organizations, communities, state, and nation.

TWU has grown, prospered, and extended itself in bold ways: adding graduate and doctoral degrees; expanding into colleges spanning arts and sciences, health sciences, professional education, and nursing; extending its footprint beyond Denton with campuses in Dallas and Houston; admitting men first in 1972; and breaking new ground in areas ranging from pedagogy to theoretical and applied research.

Over the years, TWU developed four cornerstones of historical strength with its ethic of service, its focus on health and well-being, its learn-by-doing pedagogical approach, and its emphasis on women as an aspect of the growing diversity of our communities. At the interconnection of these cornerstones lay TWU's focus on educating the whole person, with education extending beyond the classroom into learning that prepared students not just for jobs but for careers, leadership, service, health, and happiness.

TWU embraces its historical commitment to education for women with an aspiration to build with all students, faculty, staff, and alumni, an inclusive world which empowers the advancements and celebrates the achievements of all individuals, of all genders, races/ethnicities, sexual orientations, abilities, ages, and national origins. Because of its roots in providing an education for students who were marginalized because of their gender, TWU extends that mission today by reaching out and offering education to individuals in diverse populations who show academic qualities but are typically excluded from higher education.

Though inclusive of all, TWU extols the woman's perspective and the unique contributions that women can bring to families, boardrooms, classrooms, intensive care units, political arenas, research laboratories, and creative endeavors.

Mission Statement

Texas Woman's University builds on its long tradition as a public institution primarily for women by educating a diverse community of students to lead personally and professionally fulfilling lives. TWU prepares women and men for leadership and service through high quality undergraduate, graduate and professional programs on campus and at a distance. A TWU education ignites potential, purpose and a pioneering spirit.

Organization

The University houses the College of Arts and Sciences (http://www.twu.edu/arts-sciences), the College of Professional Education (http://www.twu.edu/college-professional-education), and the Institute of Health Sciences which includes the College of Health Sciences (http://www.twu.edu/college-health-sciences) and the College of Nursing (http://www.twu.edu/nursing). The Graduate School (http://www.twu.edu/gradschool/default.asp) administers graduate programs in each of these colleges.

Since its establishment in 1901, the University has become a major university with Institute of Health Sciences centers in Dallas (http://www.twu.edu/dallas) and Houston (http://www.twu.edu/houston), served by approximately 1,000 faculty members and attended by over 15,100 students. The curriculum which led to the awarding of baccalaureate degrees for the first time in 1915 now accommodates studies which lead to master's and doctoral degrees in each of the colleges of the University.

The Board of Regents

The Texas Woman's University Board of Regents is composed of nine persons, at least four of whom shall be women, appointed by the governor with the advice and consent of the Senate. The governor also appoints a tenth non-voting student regent.

The regents hold office for staggered terms of six years, with the terms of three members expiring February 1 of odd-numbered years. The student regent serves a term of one year. The Board meets quarterly. The Board biennially elects a chair/presiding officer and a vice-chair/assistant presiding officer.

Accreditation and Approval

Texas Woman's University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (http://sacscoc.org) to award baccalaureate, master's, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Texas Woman's University.

Selected academic programs are also accredited by appropriate state, regional, and national agencies. The Graduate School is a member of the Council of Graduate Schools. TWU's general accreditation (http://www.twu.edu/administration/accreditation.asp), recognizing the quality of all of the work done

by the components of the University, forms the basis for numerous memberships which the University holds in selective associations and societies which recognize and demand high standards in specific fields. Individual programs at Texas Woman's University are accredited by the following organizations (partial listing):

Arts & Sciences

- Accreditation Council for Business Schools and Programs
- American Chemistry Society
- American Psychological Association
- Council on Social Work Education
- National Association of School Psychologists
- National Association of Schools of Dance
- National Association of Schools of Music

Health Sciences

- Accreditation Council for Education in Nutrition and Dietetics
- Accreditation Council for Occupational Therapy Education
- American Association for Health Education
- American Speech-Language-Hearing Association
- Commission on Accreditation of Healthcare Management Education
- Commission on Accreditation in Physical Therapy Education
- Commission on Dental Accreditation
- Council on Academic Accreditation
- Society of Public Health Educators

Nursing

- Board of Nurse Examiners for the State of Texas
- Commission on Collegiate Nursing Education

Professional Education

- American Library Association
- Council for Accreditation of Counseling and Related Educational Programs

A list of other accrediting organizations is available on the Institutional Research and Data Management website (http://www.twu.edu/institutional-research/accreditations-listing.asp).

The Office of Alumni Relations

The TWU Office of Alumni Relations (http://www.twu.edu/alumni/default.asp) serves as the central coordination point for alumni activities held on all campuses of Texas Woman's University. The Office facilitates coordination of alumni activities, plans communication with all TWU alumni, and offers a variety of ways for TWU alumni to be involved in the life of the University.

For further information please contact:

The Office of Alumni Relations (http://www.twu.edu/alumni)
Anne Scott, Director
Chris Styers, Sr. Secretary
P.O. Box 425725
Denton, TX 76204-5725
940-898-2586

The TWU Alumni Association

The TWU Alumni Association (http://www.twu.edu/alumni) was organized in 1905 by the first alumnae of the College of Industrial Arts (CIA). Its mission was, and still is, to support the university, its students and alumni. The Association is a non-profit organization.

Among other services, the TWU Alumni Association organizes the annual Reunion Weekend events in April to honor and reconnect alumni. In addition, the Association offers numerous scholarships to current students, supports alumni chapters and groups and provides communications to keep alumni informed of university happenings. Call 940-898 -2586 (940-TWU-ALUM) or email alumnirelations@twu.edu for more information.

TWU Foundation

The Texas Woman's University Foundation is a non-profit corporation chartered under the laws of Texas and established in 1952. Its purpose is to receive and administer gifts to enhance educational excellence at the University. The Foundation Board seeks to identify potential sources of private gifts, to enable donors to make appropriate contributions that match their interests and needs, to provide for the prudent management of gift resources, and to encourage the involvement of interested persons in the work of the foundation.

A person interested in making a gift to the TWU Foundation may write or call:

TWU Foundation (http://www.twu.edu/foundation)
P.O. Box 425618
Denton, TX 76204-5618
Telephone: 940-898-3872

Education Abroad Programs

Director: *Annie Phillips*
Education Abroad Specialist: *Carolyn Becker*

Location: *Pioneer Center for Student Excellence, Room 230*
Phone: 940-898-4115
Email: educationabroad@twu.edu

TWU Education Abroad Programs (http://www.twu.edu/education-abroad) offer a variety of ways to experience cross-cultural education. Faculty-led, credit courses to other countries are offered in selected academic components throughout the University at the undergraduate and graduate levels. Some of the areas of emphasis include visual and performing arts, business, history, language, nursing, literature and comparative cultures.

In addition to the faculty-led courses, TWU provides opportunities for students to live and study for an entire summer, fall or spring session in England, Japan, France, Italy, South Africa, Spain, and other countries. Academic credit earned while participating in education abroad may be applied toward a degree program. However, coursework must be approved prior to departure. Interested students should seek guidance from Education Abroad Programs (http://www.twu.edu/education-abroad) prior to applying for these experiences.

A variety of opportunities for financial support are available. Education Abroad Programs (http://www.twu.edu/education-abroad) can assist students in identifying funding sources. All TWU students participating in education abroad are encouraged to apply for the TWU International Education Scholarship. For more information on any of the education abroad opportunities at TWU, contact Education Abroad Programs at 940-898-4115 or educationabroad@twu.edu.

Research and Sponsored Programs

The research mission of TWU is supported in multiple ways through the Office of Research and Sponsored Programs (http://www.twu.edu/research). Through research grants and contracts, as well as other sponsored programs such as training grants and community service projects, TWU provides new information for the benefit of our society, encourages faculty scholarship, and provides support and training for faculty and students. Services available to support research include proposal preparation and submission assistance; grant management for internal and external grants; coordination of internal grants and competitions; coordination of the Institutional Review Board, Institutional Animal Care and Use Committee, and Institutional Biosafety Committee; funding searches; statistical consultation; and scientific equipment repair.

External support for research and sponsored programs comes from various private, state, and federal funding sources. Federal funding is received from agencies such as the National Institutes of Health, Health Resources and Services Administration, Health and Human Services, Administration for Children and Families, Centers for Medicare and Medicaid Services, U.S. Institute of Peace, Veterans Affairs, National Science Foundation, U.S. Department of Education, and the U.S. Department of Agriculture. State agencies such as the State of Texas, Texas Higher Education Coordinating Board, Texas Education Agency, and Joint Admission Medical Program Council also provide funding for research and sponsored programs at the University.

Assistance and information about research and sponsored programs are available from the Office of Research and Sponsored Programs (http://www.twu.edu/research). Detailed information is also available through the department's pages on the University's homepage through the Research link.

Internships / Cooperative Education Program

Internships/Cooperative Education is a program of learning which combines classroom study with practical work experience outside the formal academic setting. Many academic programs at TWU provide undergraduate and graduate students the opportunity to participate in such activities. Upon graduation, students will have both a degree and work experience in their chosen field. For more information, contact the Pioneer Center for Student Excellence (http://www.twu.edu/pioneer-center) at 940-898-3755.

Authorization for Students Learning in Other States

In order for TWU to offer educational activities to students physically located in other states (including, but not limited to, online courses and internships) the University must obtain permission from the higher education departments of those states. Not all activities are allowed in all states. To learn more about the activities that TWU may offer in your home state, please visit the State Authorization website (http://%20twu.edu/TLT/state-authorization.asp.html).

Admission Requirements

To obtain academic credit in the Internships/Cooperative Education program, a student must:

1. have the recommendation of the student's major or minor department;
2. meet or exceed the student's departmental minimum grade point average;
3. be in academic good standing; and,
4. be available to work the number of hours per week specified for credit.

Work Schedules

Internship/Cooperative Education students can participate in part-time or full-time work while registered for classes. Each work period is of such duration (approximately 15 weeks during fall and spring semesters and 10 weeks during summer semester) that it provides sufficient opportunity to gain in-depth experience in an area related to the student's academic or career goals. The student and employer together will determine a mutually agreed upon work schedule.

Academic Credit

Academic credit is given for work in positions related to the student's major or minor courses of study. In certain situations, it is possible to receive academic credit if already employed, as long as the current position meets the requirements of the department awarding credit.

All qualified Internship/Cooperative Education programs must meet certain requirements. The program at TWU is based on the following requirements:

1. The work experience must be of sufficient duration to be a meaningful part of the student's academic program, generally the regular semester schedule.
2. Minimum standards of work performance must be maintained by the University and by the employer. The student's work must be evaluated periodically by the student, the employer, and the faculty. The credit and grade for the course is based on evaluation of the student's performance and assigned by a faculty member in the academic department.
3. At the discretion of the department, a maximum of six (6) semester credit hours can be used toward an undergraduate or graduate degree. Any other registration in Internship/Cooperative Education courses will be posted to the student's transcript and will be evaluated as hours additional to those required for the degree.
4. Recommendation for credit toward the graduate degree is made by the student's academic department.

Internships/Cooperative Education Course Description

Internship/Cooperative Education work arrangements are made between the University, business, industry, or selected institutions appropriate to the particular academic program. Work assignments are determined on the basis of student interests, skills, and degree program. The student will apply the ideas and processes learned in other courses in practical experience under professional supervision.

Undergraduate Courses

4951. Cooperative Education.
4953. Cooperative Education.
4956. Cooperative Education.

Graduate Courses

5951. Cooperative Education.
5953. Cooperative Education.
5956. Cooperative Education.
6951. Cooperative Education.
6953. Cooperative Education.
6956. Cooperative Education.

The Academic Common Market

Many southern states participate in the Academic Common Market, an interstate agreement for sharing uncommon programs. Residents of these states who are accepted for admission into selected out-of-state programs can enroll on an in-state tuition basis. There are two requirements:

1. Acceptance in a program to which your state has made arrangements to send its students.
2. Proof that you are a legal resident of that state. Write directly to the institution for admissions information. After you have been accepted, write your state coordinator for certification of residency.

Information about participating states and available programs can be found at the Academic Common Market (http://www.sreb.org/page/1304/academic_common_market.html).

Federation of North Texas Area Universities

The Federation of North Texas Area Universities, created by the Texas Higher Education Coordinating Board, is a consortium comprised of Texas Woman's University, Texas A&M University – Commerce, and the University of North Texas. The Federation is designed to strengthen the resources of higher education in north central Texas through interinstitutional cooperation in graduate research and instruction. To this end the Federation universities supply joint educational opportunities to their students in selected program areas with some universities authorized to grant degrees and others authorized to provide support services for the degree programs.

Texas Woman's University grants, through the Federation, doctoral degrees in Counseling Psychology, Special Education, Reading, Sociology, and Molecular Biology. Master's degrees offered by Texas Woman's University through the Federation are in Reading, Early Childhood Education, and Art. Students desiring further information about the programs should consult the appropriate academic department or the TWU Federation website (http://www.twu.edu/federation).

Technology Resources

The Office of Technology provisions each TWU student with a username and password. With these login credentials, students can access:

- e-mail (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12030) with Google Apps for Education;
- secure information, tools, and resources in Pioneer Portal (https://portal.twu.edu/default.asp);
- the Blackboard Learn (https://twu.blackboard.com/webapps/portal/execute/tabs/tabAction?tab_tab_group_id=_1_1) (Bb) learning management system;
- Wi-Fi (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12101) and Kiosks (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12061) on each TWU campus;
- other apps in Google Apps for Education (https://apps.google.com/learning-center) such as Drive, Hangouts, and Sites;
- TWU scholarships (http://www.twu.edu/finaid/scholarships.asp);
- TWUConnect (http://www.twu.edu/pioneer-center/internships.asp) for internships, jobs, and more;
- course registration in WebAdvisor (https://webadvisor.twu.edu/WebAdvisor/WebAdvisor?TOKENIDX=8577019047&type=M&constituency=WBST&pid=CORE-WBST); and
- degree plan (https://portal.twu.edu/dars/default.asp) auditing. (not currently available to graduate students)

Highlights of Office of Technology Services:

- Wi-Fi (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12101) for connectivity of personal devices as well as access to computers through general use computer labs (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12061/#labs), classroom teaching computer labs, and department labs that directly support academic programs;
- Each student is eligible for certain technology discounts (https://twu.teamdynamix.com/TDClient/Requests/ServiceCatalog?CategoryID=3586) through our partnership with E-Academy OnTheHub (http://twu.onthehub.com).
- TWU technology is strategically located in common areas such as the Denton campus Student Union, student lounges, the Blagg-Huey Library, and residence halls;
- Computer kiosks (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12061) appear across TWU's campuses as an opportunity for students to login to a PC for quick information;
- TWU classrooms are also equipped with the latest instructional technology (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12015) providing optimal classroom learning experiences;
- Students have a wide selection of software resources available (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12061/#labs) to support their studies, including statistical analyses, word processing, and discipline-specific courseware;
- The High Performance Computing (HPC) (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12078) system gives students access via faculty sponsorship to cluster computing sources for data-rich studies;

- The Office of Technology also offers employment opportunities for students on each TWU campus. Check out the Career Services site (http://www.twu.edu/career-services) for available jobs;
- The Student Technology Assistants and Resources (STAR) (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=5965) program employs technically capable students to help with troubleshooting peers' personal technology hardware & software issues. STAR is available on the Denton campus. Labor is free; students only pay for software and parts, if needed;
- Lynda.com (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=11623) is a web-based, on-demand training resource available to TWU students at no additional cost. With Lynda.com, students can learn about common applications (Blackboard, Word, Excel, SPSS), or learn soft skills (leadership, communication), or learn a new skill (photography, design, programming) at their own pace. Students can earn certificates of completion for Lynda courses that can be shared through LinkedIn;
- The Students Advisory Committee for Technology (StudentsACT) (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12071) represents the diverse student body of TWU and provides the opportunity for students to participate in the governance of technology at TWU.

Support for technology is available through the Technology Service Catalog (https://twu.teamdynamix.com/TDClient/Requests/ServiceCatalog?CategoryID=4077). To inquire about any of the technology services at TWU, students may call the Technology (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12169) Service Desk (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12169) at 940-898-3971, Live Chat (http://www.twu.edu/service-desk) with them, or email them at servicedesk@twu.edu.

Students are subject to the University's Computer & Software Acceptable Use Policy (9.01 (http://www.twu.edu/policy/PolicyDocs/Policy%209.01%20Computer%20and%20Software%20Acceptable%20Use.pdf)).

University E-mails to Students

TWU students enrolled for credit or non-credit classes are assigned a TWU e-mail address for receiving announcements, correspondence, and other important messages (including payment deadlines and financial aid information). Messages delivered to the TWU e-mail address will be considered officially delivered.

Campus and Centers

The Denton Campus

The main campus of Texas Woman's University is located in Denton, TX, a growing community of more than 113,000 residents located 38 miles north of Dallas and Fort Worth, the nation's fourth-largest metro center.

The University's high-rise residence halls and academic and administrative buildings dominate Denton's skyline. Blended with these structures are historic buildings, including Old Main (http://www.twu.edu/conference-services/14589.asp) (the University's first building) and the Little Chapel-in-the-Woods (http://www.twu.edu/conference-services/little-chapel.asp).

Known for its beauty and private college feel, the Denton campus features the Blagg-Huey Library, which is home to the nationally renowned TWU Woman's Collection (http://www.twu.edu/library/womans-collection.asp) – the best concentration of resources on U.S. women in the Southwest. Wireless access is available across campus. The university also has several computer labs – including the MEGALAB – that offer the most up-to-date technology for students. TWU's classroom technology improves the learning experience and simulates real-world conditions, ensuring student success in the classroom and the workplace. The Ann Stuart Science Complex (http://www.twu.edu/conference-services/ann-stuart-science-complex.asp) includes the latest instructional technology and lab equipment for teaching and research in biology, chemistry and biochemistry. The TWU Fitness and Recreation Center (http://www.twu.edu/fitandrec/13456.asp) features a 30-foot indoor climbing wall with a 22-foot vertical rappelling station. The Redbud Theater is a 120-seat proscenium venue that showcases a variety of drama performances each year.

The Dallas Center

The TWU T. Boone Pickens Institute of Health Sciences (http://www.twu.edu/dallas) – Dallas Center opened in February 2011, combining the university's Parkland and Presbyterian sites in an eight-story 190,000-square-foot building in the heart of the Southwestern Medical District.

The Dallas Center, established in 1966, now bears the name of Texas oilman and entrepreneur T. Boone Pickens, who donated $5 million to the new building's fundraising campaign. The center houses the Houston J. and Florence A. Doswell College of Nursing, the TWU Stroke Center-Dallas and the university's physical therapy, occupational therapy and health systems management programs. Facilities include simulation laboratories and research laboratories, computer labs and classrooms, and One-Stop Student Services.

The Houston Center

TWU's Institute of Health Sciences – Houston Center (http://www.twu.edu/houston), established in 1960, is located at the southern gateway of the Texas Medical Center, a world-renowned 675-acre complex of hospitals, health-related schools, and research institutions. The Nelda C. Stark College of Nursing (http://www.twu.edu/nursing/houston-center.asp) offers clinical and educational opportunities for students in nursing. Other programs offered at the Institute of Health Sciences–Houston Center include occupational therapy, physical therapy, health care administration and nutrition and food

sciences. Facilities at the center include research laboratories, anatomy and nursing laboratories, a counseling center, a learning resource center and computer services.

Texas Woman's University is a full participant in support and use of the Houston Academy of Medicine-Texas Medical Center Library.

The TWU Libraries

The TWU Libraries (http://www.twu.edu/library) provide information services, education, and resources for teaching, learning, and research in a global environment to support faculty and prepare students for success in their professional and personal lives. Library staff teaches research skills and offer library instruction in the classroom, in the Libraries and over the web.

The Blagg-Huey Library on the Denton campus offers students a modern facility for accessing both print and electronic information in an environment that provides comfort and inspirational beauty. Satellite collections are available at the TWU T. Boone Pickens Institute of Health Sciences – Dallas Center (the major nursing collection in the Dallas-Fort Worth area). Houston students use the resources of the outstanding collection in the Houston Academy of Medicine-Texas Medical Center Library and the Academic Resource Center on the TWU Houston campus.

TWU Libraries' collections have 544,159 print volumes, 274,177 e-books, 34,844 microform titles, and 6,575 media materials; and the Libraries provide access to 39,150 print journals and 134,317 electronic journals, as well as 223 databases. Online access to full-text journals and books is provided from the library to dorms, campus computer labs, or where there is internet access. Special collections include the Woman's Collection, the largest repository in the Southwest of research material about women; the Cookbook Collection; University Archives; and the Children's Collection, which houses the Children's Historical Collection of some 3,000 volumes including rare, early-day children's books. Original book art from prominent children's book illustrators decorates the Children's Collection. Researchers from around the world visit the Woman's Collection to study the Women Airforce Service Pilots of World War II (WASP); the Oral History Project; the various archives of Texas women's organizations including the Texas Federation of Women's Clubs, the Texas Federation of Business and Professional Women's Clubs, and the historic federation of clubs founded by African American women in Texas, the Texas Association of Women's Clubs. Books and manuscripts document the history of women in aviation, war, and military service. Materials in all formats provide rich sources regarding the struggle of women to obtain the rights of suffrage, equal legal rights, and other feminist goals.

In addition to the multiple resources of the TWU Libraries (http://www.twu.edu/library), students and faculty may use the libraries of more than 125 participants in Texshare, and interlibrary loan access to the collections of over 16,000 national and international members of OCLC in more than 100 countries.

Distance Education

Texas Woman's University offers multiple degrees, programs, and courses online through Distance Education (DE). These electronically-delivered courses and programs provide quality instruction and encourage high levels of interaction.

The Distance Education degree programs (http://www.twu.edu/TLT/online-degrees.asp) are listed online at the Teaching and Learning with Technology website (http://www.twu.edu/TLT). Additional online courses outside of these degree programs may be found in the Class Schedule by selecting "Internet Instruction" or "Hybrid Instruction" in the Instructional Methods box.

Online courses are delivered through Blackboard or Canvas, Internet-based software platforms. Distance Education courses cost exactly the same as on-campus classes. Bills may vary from semester to semester and from other students depending on residency status and academic level.

International students who hold F-1 and J-1 visa status cannot enroll in academic programs that are defined as 100% distance education (online degrees). An international student may be admitted to the University for such programs but is only authorized to complete those from her/his own country and not in the United States. Please note: F-1 and J-1 student visa holders have restrictions regarding the number of online (or distance education) credits that can be taken during the semester as it relates to fulfilling the full-time enrollment requirement. Please contact the Office of International Education (http://www.twu.edu/international-education) for more information.

Please note: Students in online courses need daily access to a computer with internet connections that meet TWU minimum hardware and software requirements (http://www.twu.edu/TLT/computer-requirements.asp). Students should also have a back-up plan for accessing a second computer should any technical problem arise.

Students who are new to Distance Education may view a detailed introduction to Distance Education in the Guide for Online Courses (GOC) (http://www.twu.edu/guide-for-online-courses), as well as on the My Courses webpage (http://online.twu.edu). The GOC will give new DE students an idea of what an online class is like, how to find and log into their online courses, resources that are available to them, and keys to success.

Authorization for Students Learning in Other States

In order for TWU to offer educational activities to students physically located in other states (including, but not limited to, online courses and internships) the University must obtain permission from the higher education departments of those states. Not all activities are allowed in all states. To learn more about the activities that TWU may offer in your home state, please visit the State Authorization website (http://%20twu.edu/TLT/state-authorization.asp.html).

Intellectual Property

Texas Woman's University's Board of Regents Policy 4.02, "Intellectual Property (http://www.twu.edu/regents/intellectual-property-part-1-introduction.asp)," covers the ownership, distribution, and commercial development of intellectual property developed by TWU faculty, staff, students, and others participating in TWU programs.

University Advancement

All students, former students, and friends of TWU are encouraged to give to the university. Donations, administered through the TWU Foundation, help meet the University's greatest needs and opportunities. These include academic and other enrichment programs, equipment for classrooms and laboratories, student scholarships, library resources, faculty recruitment and retention, and achievement and recognition awards.

Information about university development programs and specific giving opportunities is available from:

Texas Woman's University
Office of University Advancement (http://www.twu.edu/advancement)
P.O. Box 425618
Denton, Texas 76204-5618
940-898-3863

Financial Information

Cost of Attendance

Tuition rates and all fees are subject to change at any time without prior notice by action of the Board of Regents or of the Texas Legislature. Payments for tuition, fees, and room and board should be made to Texas Woman's University and should be addressed to the:

Office of the Bursar (http://www.twu.edu/bursar)
P.O. Box 425439
Texas Woman's University
Denton, TX 76204

When students register online, they may make credit card or electronic check payments via Pay for Classes Online (https://secure.touchnet.net/C21496_tsa/web/login.jsp).

Refer to the TWU Bursar's website (http://www.twu.edu/bursar) for details related to tuition, fees, payments and financial obligation to the University.

Tuition (Subject to Change)

The payment of tuition entitles the student to instruction in the various non-laboratory classes and use of the TWU Libraries. The most current rates are available on the TWU Bursar's website.

Undergraduate

Student type	cost
Resident (in-state) students, 2016-2017	$206.26 per semester credit hour
Nonresident (out-of-state and foreign) students	$614.26 per semester credit hour
Qualifying Oklahoma resident students	$236.26 per semester credit hour

Graduate

Student type	cost
Resident (in-state) students, 2016-2017	$251.26 per semester credit hour
Nonresident (out-of-state and foreign) students	$659.26 per semester credit hour

Additional Tuition Surcharges

Certain programs have established tuition charges that will be added to the above tuition rates. These additional rates are determined by the courses selected in the following areas:

Student type	cost
Communication Sciences	$20.00 per semester credit hour
Dental Hygiene	$20.00 per semester credit hour
Fashion & Textiles - undergraduate	$10.00 per semester credit hour
Health Studies	$40.00 per semester credit hour
Library & Information Studies - graduate	$10.00 per semester credit hour
Music	$35.00 per semester credit hour
Nursing - undergraduate	$50.00 per semester credit hour
Nursing - graduate masters	$55.00 per semester credit hour
Nursing - graduate doctoral	$60.00 per semester credit hour
Occupational Therapy	$5.00 per semester credit hour
School of Management - graduate	$80.00 per semester credit hour
School of Management - undergraduate	$20.00 per semester credit hour

Concurrent Enrollment Tuition

Students who will concurrently enroll at both Texas Woman's University and another state university or community college should consult with the Registrar prior to enrollment at either institution. International students must report to the Office of International Education for concurrent enrollment verification.

Nonresident Classification for Tuition

Title 3 of the Texas Education Code specifies that out-of-state residents who come to Texas for the primary purpose of furthering their education will be classified as nonresident students. Persons classified as nonresident students upon first enrollment at Texas Woman's University are presumed to be nonresidents for the period during which they continue as students. To petition for residency reclassification, the student must complete the Residency Questionnaire (http://www.twu.edu/registrar/texas-residency.asp) and submit it to the Office of the Registrar with appropriate documentation prior to the beginning of the semester.

Tuition Waivers for Nonresidents

Nonresident or international students receiving competitive scholarships in the amount of $1,000 or more awarded by Texas Woman's University may pay the in-state tuition rate. Nonresident students who hold appointment as graduate teaching assistants or graduate research assistants may pay the in-state tuition rate provided they are employed at least one-half time in a position which relates to their degree program.

Oklahoma Residents - Undergraduate Only

Qualifying Oklahoma residents may be eligible for reduced tuition from other non-residents as authorized by action of the Texas Woman's University Board of Regents. This action applies only to Oklahoma undergraduate students. Eligible students must provide two (2) different documents showing physical location of residency to the Registrar's Office for this reduced rate.

Undocumented Immigrant Students – TEC 54.052 (A)(3)

Texas law allows certain students who are not U.S. citizens to qualify for Texas residency at public universities. Applicants qualifying under TEC 54.052 (A)(3) for the resident tuition rate will be evaluated under the regular freshman and transfer admissions criteria. Eligibility for residency status may be granted if a student meets all of the following criteria:

1. graduated from a public or private high school in this state or received the equivalent of a high school diploma in this state; and
2. maintained a residence continuously in this state for:
    a. the three years preceding the date of graduation or receipt of the diploma equivalent, as applicable; and
    b. the year preceding the census date of the academic term in which the person is enrolled in an institution of higher education.

Veterans Benefits

Texas Woman's University honors the Veteran's Administration GI Bill programs and the State of Texas Hazlewood Act. Benefit recipients are expected to remain in Academic Good Standing (http://catalog.twu.edu/undergraduate/academic-information/standards/good-standing) to be eligible for benefits. Students should contact the Veterans Program Office (http://www.twu.edu/veterans) for applications and other forms.

Excess Hours Rule for Graduate Students

Doctoral resident students will be charged at the out-of-state rate for all doctoral work in excess of 99 semester credit hours. (Note: Students in Counseling Psychology, School Psychology, Family Therapy, and Nursing are charged at the out-of-state rate for all doctoral work in excess of 130 doctoral hours.)

Excess Hours Rule for Undergraduate Students

A higher tuition rate will be charged to any resident undergraduate student enrolled before fall 2006 who, before the academic session begins, has previously attempted a number of semester credit hours taken at any institution of higher education while classified as a resident student for tuition purposes that exceeds by at least 45 semester credit hours the number of semester credit hours required for completion of the degree program in which the student is enrolled, except for those who fall within the exceptions set out in Section 61.059(b), (c), and (d) of the Texas Education Code (shown below). For this purpose, an undergraduate student who is not enrolled in a TWU degree program is considered to be enrolled in a degree program requiring a minimum of 120 semester credit hours. For students who began higher education in fall 2006, excess semester credit hour tuition applies when the student has exceeded the number of semester credit hours required for the degree by at least 30 semester credit hours. For purposes of excess hours, resident undergraduate students include nonresident students who are receiving waivers to reduce their payment to the resident tuition rate.

Exceptions

1. This regulation does NOT apply to semester credit hours earned before the 1999 fall semester.
2. For a student enrolled in a baccalaureate program under Section 51.931, semester credit hours earned by the student 10 or more years before the date the student begins the new degree program under Section 51.931 are not counted for purposes of determining whether the student has previously earned excess undergraduate semester credit hours.
3. The following are not counted for purposes of determining whether the undergraduate student has previously earned excess semester credit hours:
    a. Semester credit hours earned by the student before receiving a baccalaureate degree that has previously been awarded to the student;
    b. Semester credit hours earned by the student by examination or under any other procedure by which credit is earned without registering for a course for which tuition is charged;
    c. Credit for a developmental education course or another course that does not count toward a degree program at the institution; and

d. Semester credit hours earned by the student at a private institution or an out-of-state institution.
e. Effective Fall 2009, hours earned by a student before graduating from high school and used to satisfy high school graduation requirements are not included in the calculations of excess hours.

Tuition for Courses Attempted More Than Twice - Undergraduate

The Texas Higher Education Coordinating Board had established the following policy: “Public institutions of higher education may not submit for formula funding credit or contact hours attempted by students who have enrolled in courses containing the same content for a third or more times at institutions since September 1, 2001.” Those courses attempted more than twice will be assessed the non-resident tuition rate after Census Day of the applicable semester.

Note: There are exceptions to this policy as designated by law. For example, exceptions include the following types of courses: thesis and dissertation courses; those music and art courses which involve more advanced content; independent study courses that are not substitutes for regular courses; special topics courses when topics vary; some developmental education courses; and continuing education courses required for professional certification.

Request for Graduate Reduced Tuition (Code 3)

Under provisions of the Texas Higher Education Code Section 54.051(e), Texas residents are eligible for a reduced tuition rate when enrolling for professional paper, thesis, or dissertation only, provided those hours are the final credits required for the degree. Students must complete a form requesting the reduction (http://www.twu.edu/gradschool/forms.asp) and return it to the Graduate School (http://www.twu.edu/gradschool) prior to the final semester.

Required Fees (Subject to Change)

Technology Fee

A $22.50 per semester credit hour technology fee will be charged to all students who register for any semester. The technology fee is assessed to help to cover the cost of computer operations used for admissions, registration, student financial aid, computer labs, student work stations, and other student computer services.

Fitness and Recreation Fee

A fitness and recreation fee of $73.00 per semester will be assessed to all students who enroll. This fee is prorated for summer short terms.

Graduate School Application Fee

A $50.00 non-refundable application fee will be assessed all students who apply for admission to the Graduate School.

International Application Fee

A $75.00 non-refundable application fee will be assessed all international students who apply for admission.

International Education Fee

A $3.00 international education fee will be charged to all students who enroll each semester. Funds collected under this fee will be used in assisting students participating in TWU international or exchange programs.

Instructional Enhancement Fee

A per credit hour fee will be assessed to all students who enroll. This fee allows continuous improvement in course instruction and outstanding advising services.

- Undergraduate Rate - $8.85/semester credit hour
- Graduate Rate - $12.85/semester credit hour

Late Registration Fee

Students will be assessed a $50.00 non-refundable late registration fee if they register and/or pay beginning the first day of class for a semester.

Library Access Fee

A library access fee of $11.00 per semester credit hour will be assessed to all students who enroll for the fall, spring, or summer.

Medical Services Fee

A medical services fee of $47.00 per semester will be assessed all students who enroll. This fee is prorated for summer short terms. The medical services fee is used to provide medical services to students at the University.

Program Fee

A program fee will be assessed to all students who enroll. This fee supports academic programs on each campus.

- Lower-level undergraduate fee (1000 & 2000 level courses): $8/semester credit hour
- Upper-level undergraduate fee (3000 & 4000 level courses): $15/semester credit hour
- Graduate-level fee (5000 & 6000 level courses): $25/semester credit hour

Publication Fee

A $2.00 publication fee will be charged per semester to all students who enroll. The publication fee is used to defray the cost of publishing University publications.

Student Union Fee

A student union fee of $150.00 will be charged each semester to all students who enroll. This fee is prorated for summer short terms. The student union fee finances the Office of the Director of the Student Center and the maintenance of the student center areas on each campus.

Student Identification Card

An $15.00 non-refundable fee will be assessed each semester to students who enroll. This fee covers the cost of the student identification card system.

Student Services Fee

The student services fee is charged based on semester credit hours. For all semesters the fee is charged at a rate of $35.71 per semester credit hour not to exceed the following maximums:

$250.00 per semester during the long fall, spring, or summer terms
$142.84 per short summer terms
$71.42 per mini term

The student services fee entitles students to a variety of services provided by University components or via contract from an outside provider. Components funded at least partially by student services fee are Career and Employment Services, the Center for Student Development, the Counseling Center, Disability Support Services, and Intercollegiate Athletics. The student services fee also enables students to attend special lectures, concerts, and dramatic presentations; to receive the university newspaper, the Lasso; to participate as members of the United Student Association; and to use a variety of recreational facilities.

Course-Related Costs

Drop/Add Fee (Subject to Change)

A $10.00 fee will be charged for dropping or adding a course when the drop/add occurs on or after the first day of the term. There will be no charge for drops and adds that are departmentally initiated to balance teaching loads or close courses. A charge will be made for each class dropped and/or each class added.

Malpractice Liability Insurance

Students enrolled in the Institute of Health Sciences or in other programs requiring clinical experience will be automatically charged a course related malpractice liability insurance fee.

Bloodborne Pathogens Insurance

Students enrolled in certain courses may be automatically assessed this insurance to provide benefits in case of accidental exposure to bloodborne pathogens/infectious disease in health-related settings.

Textbooks and Supplies

Students and faculty members may purchase textbooks and all school supplies at the University Bookstore. It is difficult to estimate the per-student cost of textbooks and supplies, since the figures vary considerably by level and subject matter area. The cost total will be affected by the proportion of used versus new textbooks purchased by students.

Other Costs and Fees

Diploma and Graduation Fees

A candidate for graduation must pay fees for the diploma, academic regalia, and, if necessary, mailing of diploma. The University will make every effort to keep these fees at a minimum cost, but they may vary from time to time. To replace a previously issued diploma, an additional charge must be paid. Additional information may be obtained from the Registrar's office.

Housing and Meal Services

See separate bulletin available through the University Housing (http://www.twu.edu/housing/rates-and-contract-terms.asp) Director's office.

Returned Checks or Electronic Payments (Subject to Change)

A $30.00 service fee will be levied on all returned checks or electronic payments (web-check) if the bank is not at fault. Students submitting a payment to TWU that is returned unpaid are subject to being dropped from courses by the University. It is TWU policy to submit all returned checks immediately upon receipt to the Denton County District Attorney for collection.

Transcript Fee

A non-refundable fee of $10.00 per copy will be charged for all transcripts requested. All holds and past due balances must be cleared before transcripts will be released.

Replacement of Lost Meal Plan/I. D. Card (Subject to Change)

A $10.00 fee is required of all students who apply for the replacement of a lost meal plan or I. D. card.

Payment and Refunds of Tuition and Fees

Tuition and Fees Payment Option

Each student is to select one of the following alternatives for the payment of tuition and fees:

- Full payment of tuition and fees is required prior to the beginning of each semester in accordance with published deadlines in the Academic Calendar. Accepted financial aid can be used to hold class schedules and make required payment. Failure to pay will result in the deletion of all courses. Tuition and fee bills are not mailed to students but available online through WebAdvisor by accessing "My E-Bill."
- Installment Payment Plan (Subject to Change). An installment payment plan option is available for the Fall, Spring and long Summer terms only. Online enrollment by the student is required by the published deadlines. This payment option is available through the Pay Online feature through Pioneer Portal or from the TWU Homepage under Pay for Classes Online. The Fall and Spring payment plan requires a down payment of 25 percent of total semester charges by the published payment deadline. The remaining balance is split into three payments that are due at one-month intervals during the semester. The long Summer term payment plan requires a 50 percent down payment by the published payment deadline with the remaining balance in two payments that are due at one-month intervals. An installment fee of $15 (subject to change) will be assessed at the time of enrollment in any installment plan and is due in addition to the required down payment. Accepted financial aid awards can be used to make the required down payment for any installment plan.

Delinquent Payment Penalty (Subject to Change)

As provided by law, any student who fails to make full payment of tuition and all fees by the due date may be prohibited from registering for classes until full payment is made. In addition, the following charges apply:

- A charge of $15.00 for delinquent payments. Any student who does not make installment payments by the established installment plan due dates will be charged a delinquent payment fee of $15.00 for each payment that is delinquent.
- The student will not receive course credit if full payment is not made prior to the end of the semester.

Refunds for Classes Dropped

Refunds will not be made for any class dropped after the twelfth class day during the long fall, spring and summer semesters or after the second class day during each short term. Full refunds will be given for classes dropped prior to these days provided the student remains enrolled in other semester credit hours. Refunds for classes dropped are based upon student remaining in other courses during the semester.

Refunds for Withdrawal

Withdrawal from the University means officially dropping all classes through forms filed with the Office of Student Life. Refunds are pro-rated based on the day on which the student withdraws in relation to the Academic Calendar. The following schedule determines the refunds for tuition and fees for long fall, spring or summer semester withdrawal:

Date Withdrawn	Percent
Prior to the first class day	A non-refundable $15.00 matriculation fee will be assessed.

Prior to the first class day of the semester	100%
During the first five class days of the semester	80%
During the second five class days of the semester	70%
During the third five class days of the semester	50%
During the fourth five class days of the semester	25%
After the fourth five class days of the semester	None

No part of tuition or fees is returned after the 20th class day of the semester. Refunds are calculated on charges assessed, not payments received.

The following schedule determines the **short or mini term** refunds for tuition and fees upon withdrawal from the University (Education Code Section 54.006 (b2) Texas School Law Bulletin):

Date Withdrawn	Percent
Prior to the first class day	A non-refundable $15.00 matriculation fee will be assessed.
Prior to the first class day of the session	100%
During the first class day of the session	80%
During the second class day of the session	50%
Third day of class of the session and thereafter	None

Students withdrawing from the University who are enrolled for classes that begin after the last day for refunds will receive no refund of tuition and fees for those classes.

Refund Delivery Method

TWU has contracted with BankMobile Disbursements to facilitate the delivery of all student refunds for excess financial aid; dropped class refunds; account adjustment credits or withdrawal refunds. Refund checks will not be issued by the University.

A refund selection kit will be sent to students by mail after registering for their first semester at TWU. In order to receive any refund due from the University, the student must follow directions in the selection kit and make a choice from one of two methods to receive university refunds:

- ACH (electronic transfer) of refund dollars to an existing bank account that has been established.
- An online FDIC-insured bank account, BankMobile Vibe account, provided by BankMobile Disbursements.

Complete refund information is available at Bursar Office (http://www.twu.edu/bursar/RefundInformation.asp).

Undergraduate Tuition Rebate Program

Students who wish to participate in the Tuition Rebate Program must attempt no more than three semester credit hours in excess of the minimum number of semester credit hours required to complete their degree. The minimum total includes transfer credit, repeated credits, withdrawals, and credit earned by examination. Students who enroll with well-defined interests who want to complete their undergraduate study within the three-attempted-semester-credit-hour limit are eligible for a rebate of up to $1,000. Specific information and the required agreement form are available from the Registrar’s Office (www.twu.edu/registrar). The deadline to submit this form to the Registrar’s Office is the same deadline as the Application for Graduation.

Financial Aid

Office of Financial Aid (http://www.twu.edu/finaid)
Texas Woman's University
P.O. Box 425408
Denton, TX 76204-5408
940-898-3064
finaid@twu.edu

TWU maintains an Office of Financial Aid (http://www.twu.edu/finaid) which provides financial assistance to qualified students. Aid may be awarded in the form of work, grants, loans, assistantships, scholarships or some combination of these. In order to assure that a student's financial aid is available at registration, the following application deadlines must be followed:

Item	Date
Academic Scholarships	March 15
Summer Financial Aid	March 15
Fall/Spring Financial Aid	April 15
Spring Financial Aid	September 1

Applications received after these dates will be processed on a funds-available basis. Late applicants should be aware that funds may not be available as early as they are needed for payment of tuition, fees, and related educational expenses.

Financial aid recipients must maintain satisfactory progress toward a degree or certification in order to retain their eligibility. Specifically, this means that students receiving financial aid must successfully complete 6 semester credit hours each semester with a minimum 3.0 grade point average. Grades of 'F', 'I', 'W', and 'WF' will not satisfy this requirement. Failure to meet the minimum grade requirements will result in financial aid probation.

A student on financial aid warning will be permitted to receive aid for one semester. If the student successfully meets the minimum academic standards during the warning semester, he or she will return to good standing for financial aid purposes. Failure to meet the minimum academic progress standards during the warning semester will result in the suspension of financial aid eligibility until the standards are met. Students who feel that there were mitigating circumstances beyond their control which impacted their progress may submit a written appeal to the Director of Financial Aid.

Master's level financial aid applicants may not have registered for, or attempted, more than 54 semester credit hours toward a master's degree. Doctoral level financial aid applicants may not have registered for, earned, or attempted more than 90 semester credit hours toward a doctoral degree. The maximum semester credit hours include all semester credit hours at the master's and doctoral level from any institution regardless of whether aid was received. If a graduate student's curriculum requires more course work than the allowable maximum, a letter from the department chair specifying the total semester credit hours required must be submitted to the Office of Financial Aid for re-evaluation of the applicant's maximum eligibility period. For more information, contact:

Graduate Assistantships

The University provides a limited number of graduate assistantships, graduate teaching assistantships, and graduate research assistantships for qualified graduate students. Stipends vary according to assignment and educational level of the applicant. Information regarding appointment procedures and remuneration is located on the Graduate School website (http://www.twu.edu/gradschool/graduate-assistants.asp).

Graduate programs are designed to enhance the student's scholarly and professional development. Assignments and responsibilities will enhance the assistant's scholarship and professional development. The assistant receives a stipend for contributing to the teaching and research mission of the University.

The University recognizes three types of graduate assistants:

1. A ***graduate teaching assistant*** will be employed as the teacher of record. As the teacher of record, the graduate teaching assistant is responsible for assigning final grades. Work units are determined in the same way as for a regular faculty member.
   A graduate teaching assistant who is working toward the master's degree may be assigned to teach undergraduate courses only. A graduate teaching assistant who holds the master's degree and is working toward the doctoral degree may be assigned to teach undergraduate courses. Only under extremely unusual circumstances or in cases of demonstrated expertise or experience may a graduate teaching assistant working toward the doctorate be assigned to teach master's level courses. This arrangement must be reviewed and approved in advance by the Dean of the Graduate School. A graduate teaching assistant may not be assigned to teach doctoral level courses. An exception at the discretion of the Dean of the Graduate School may be made in the case of graduate teaching assistants who have demonstrated exceptional expertise or experience.
   A graduate teaching assistant is both a student and a faculty member. As a student, the assistant is expected to maintain high academic standards to retain the assistantship. As a faculty member, the assistant is expected to complete teaching and research responsibilities in a timely and efficient

manner. For the graduate teaching assistant, the teaching assignment should provide opportunity for obtaining depth of knowledge within the academic discipline.

2. A ***graduate assistant*** will *not* be considered to be the teacher of record. The graduate assistant will be paid from Instructional Funds. The graduate assistant will provide direct support of instruction and will assist students as needed. The primary purpose of the graduate assistant should not be to do filing and clerical work.
3. A ***graduate research assistant*** is employed in conjunction with the research of a faculty member in a capacity that enhances the student's career and educational development. For the graduate research assistant, the research project may ideally result in a professional paper, thesis, or dissertation. Duties vary depending on the type of research project and may include laboratory experiments, library searches, data entry, preparation of reports, and other relevant assignments.

Applications for assistantships (http://www.twu.edu/gradschool/graduate-assistants.asp) may be secured from the Graduate School website (http://www.twu.edu/gradschool). The application must be filed with the head of the academic component in which the assistantship is sought for review and recommendation. If the assistantship is outside of the student's academic program, the student needs to inform her/his academic advisor of her/his assistantship.

General criteria for all graduate assistants:

1. The student must be admitted to graduate school.
2. The student must be in good academic standing at TWU. A student who is on scholastic probation may not hold a graduate assistantship.
3. A student who is employed full-time in any position cannot be appointed as a full-time graduate teaching assistant. A student who holds a full-time position may hold a graduate research assistantship.
4. A student is not permitted to hold a graduate assistantship at TWU concurrently with an assistantship at any other college or university or with a student assistantship at TWU.
5. The maximum course load for a student who holds a graduate assistantship of approximately half time is 12 semester credit hours. The recommended course load for a graduate assistant with an appointment of approximately half time is nine semester credit hours. The minimum course load for a graduate assistant with an appointment of approximately half time is six semester credit hours. (Students enrolled over summer should consult with the Graduate School). Graduate students who are enrolled for professional paper, thesis, or dissertation will be permitted to register for the number of semester credit hours required by their programs so long as clear evidence of progress on the research paper can be demonstrated. Any requests for exceptions are required to come from the Chair of the student's program.
6. In-state Tuition waiver: A graduate assistant is entitled to register by paying the tuition and other fees or charges required for Texas residents without regard to the length of time the assistant has resided in Texas if the assistant is employed at least one-half time (.50 FTE) and is working in a position which relates to his/her degree program. The student should complete the Request for In-State Tuition (http://www.twu.edu/gradschool/graduate-assistants.asp) form, have it signed by the Chair of the department, and send to the Graduate School. Graduate School personnel will approve and forward it to the Registrar.
7. International students must demonstrate English speaking proficiency through one of the following in order to hold a graduate teaching assistantship:

    - score of 26 or higher on the TOEFL iBT (https://www.ets.org/toefl/ibt/about) speaking section
    - score of 7.5 or higher on the IELTS (http://www.ielts.org) Speaking Test
    - score of 4 or higher on the MELAB (http://www.cambridgemichigan.org/melab) Speaking Test
    - International students must also follow the guidelines of International Education (http://www.twu.edu/international-education).

Scholarships

Texas Woman's University awards more than 10 million in scholarships (http://www.twu.edu/finaid/scholarships.asp) annually which includes merit based, departmental, endowed, and need based scholarships.

- Scholarship applicants must first apply for admission to Texas Woman's University (TWU) through Apply Texas. (https://www.applytexas.org/adappc/gen/c_start.WBX)
- Applicants must create a Pioneer Portal (https://portal.twu.edu/default.asp) account before applying to the TWU Online Scholarship Application System (http://www.twu.edu/finaid/scholarships.asp). Sign in using your pioneer portal login and password.
- Priority deadline is March 15th for fall and spring semester. The online system will help you identify scholarships for which you are eligible to apply.
- Complete the general application and submit to be auto-matched for scholarships.

- After the general application is complete, press the "opportunities" button and review "recommended opportunities". These are scholarships you must manually apply for in the system. The TWU General Scholarship Committee is responsible for the selection of the new and continuing scholarship recipients
- Scholarships will be discontinued any time a recipient withdraws from TWU or fails to meet requirements regarding academic progress, or attends less than full-time each term.
- Scholarship offers are subject to timely acceptance in the scholarship system and your financial aid office, found in the portal account.

Eligibility

To be considered for scholarships, students must meet the following criteria:

- Have all required admission applications and academic transcripts in the TWU Admission's Office or Graduate Admission's Office by the application deadline
- Enroll full-time (minimum of 12 hours for undergraduate, 9 hours for graduate students and 6 hours for part-time graduate students or graduate assistants)

Eligibility Exception

- You are graduating at the end of the semester of the award
- Your degree program requires less than full-time enrollment (Example: Clinicals, student teaching, thesis, dissertation, or professional paper)
- The scholarship description permits part-time enrollment

Award Notifications

- All award notifications are sent to your TWU email account
- The awards must be accepted online, then the funds will be transmitted to your Financial Aid account
- Scholarship awards are made in the Fall and Spring semester only

Entering First-Time Graduate Student Scholarships

New Graduate Student Scholarships

Awards are $2,500.00 per year for full-time students (nine credit hours or more) and $1,000.00 for part-time students (six to eight credit hours). This scholarship is automatically renewable for up to two years for Master students and up to three years for Doctoral students as long as the recipient maintains a 3.2 or higher cumulative grade point average. Only students who will be starting their graduate work at TWU for the first time are eligible to apply for this scholarship. This scholarship is awarded on the basis of cumulative grade point average and academic discipline.

McNair Scholars Scholarship

Several awards of $2,500.00 per year will be made to new graduate students who were undergraduate McNair Scholars. These awards are renewable as described in the New Graduate Student Scholarship section. Applicants must provide a letter of verification from their McNair advisor to the Dean of the TWU Graduate School.

Entering International Student Scholarships

These scholarships are awarded to new entering graduate international students. Awards are $2,000 per year and can be automatically renewed for up to two years for Master students and three years for Doctoral students. These scholarships will be renewed as long as the student maintains immigration status and is enrolled full-time (minimum of 9 credit hours). They must also maintain a 3.2 grade point average. This scholarship is awarded on the basis of cumulative grade point average and academic discipline.

Other Scholarships for New and Returning Graduate Students

Mary Bryan and Tom C. Reitch Scholarship

Awards are $1,500.00 per year. This scholarship is available to new entering students and current TWU students, Awards are based upon academic standing and financial need. Applicants may be required to complete an essay explaining financial need or hardship through the online scholarship application to be eligible for this scholarship. This is a one year scholarship and students awarded this scholarship must apply for it every year to be considered.

Departmental Scholarships

There are hundreds of endowment scholarships that are awarded each year. Each academic department and the TWU Alumni Foundation has scholarship funds available to award. Departmental awards are selected through the TWU Online Scholarship application. http://www.twu.edu/finaid/scholarships.asp After applying for admission to the university, each student must complete the TWU online application prior to the March 15th deadline to be considered. The online system will help you identify scholarships to which you most closely match the criteria and eligibility requirements.

Grants

Grants are awards of funds which do not require repayment and are usually awarded based on documented financial need. A Free Application for Federal Student Aid (FAFSA) (https://fafsa.ed.gov) is required. Visit the Office of Financial Aid (http://www.twu.edu/finaid)'s website (http://www.twu.edu/finaid) for additional information.

Texas Public Education Grant

This Texas grant is awarded to eligible Texas resident, non-Texas resident, and international students both at the graduate and undergraduate levels. Awards range from $100 to $2,400 depending upon the student's eligibility.

Board Authorized Tuition Grant

The Board Authorized Grant is a Texas Grant that is awarded to graduate Texas residents based upon financial need. Recipients must be enrolled at least half-time (6 semester credit hours/semester) in a degree or certification program, unless all regular coursework has been completed and less than half-time enrollment is in professional paper, thesis, dissertation, or an equivalent course. The average award is $1,600 annually. Recipients receive funds by credit to their university account.

TEACH Grant

This grant is awarded to eligible students who enroll in coursework necessary to begin a career in teaching or plan to complete such coursework. Awards provide up to $4,000 per year ($16,000 total for four-year programs) in grants to students who intend to teach full-time in high-need subject areas for at least four years at schools that serve students from low-income families. Graduate students are also eligible for $4,000 per year ($8,000 total). For students who receive the TEACH Grant, but fail to teach at least four years in an eligible curriculum, the grant becomes an interest bearing loan. Eligible applicants must have scored above the 75th percentile on the SAT, ACT, or GRE, or have graduated from high school with a cumulative grade point average of at least 3.25 on a 4.0 scale and earn a cumulative grade point average of at least 3.25 throughout the academic program for which the TEACH Grant is issued.

To avoid repaying the TEACH Grant as a loan with interest, a recipient must be a highly-qualified, full-time teacher in a high-need subject area, for at least four years within eight years of graduation, at a school serving low-income students.

Student Loans

The University administers loan programs whereby students can borrow a substantial part of the expenses of pursuing university study. Repayment of loans begins six months after the recipient has ceased enrollment as at least a half-time student (6 semester credit hours per semester). Students who receive loans as part of their financial aid award must complete Entrance Loan Counseling prior to receiving the loan funds. Entrance Loan Counseling may be completed online at StudentLoans.gov (https://studentloans.gov), on the TWU Financial Aid website (http://www.twu.edu/finaid) for non-federal loans, or in person by calling 940-898-3067 to schedule an appointment.

For more information on the loans listed below, please visit the TWU Financial Aid website (http://www.twu.edu/finaid).

Federal Direct Stafford Student Loans

Federal Direct Subsidized Stafford Student Loan

This loan is available to undergraduate students only on the basis of documented financial need. Repayment and interest are deferred until six months after the student graduates or ceases to be enrolled for at least six semester credit hours. The interest rate is variable up to 8.25% and is adjusted each year on July 1. The actual interest rate will be printed on the Disclosure Statement which the student will receive from the lender. The lending institution will notify the student borrower of interest rate changes throughout the life of the loan. Distinctions between this loan and the Federal Direct Unsubsidized Stafford Loan are that the Federal Direct Unsubsidized Stafford Loan does not require documented financial need and interest on the Federal Direct Unsubsidized Stafford Loan begins to accrue when funds are disbursed.

Federal Direct Subsidized Stafford Loan Annual Maximums

Borrower's Academic Level	Maximum Annual Amount
Freshman	$3,500
Sophomore	$4,500
Junior	$5,500
Senior	$5,500

Federal Direct Unsubsidized Stafford Loan

This loan is available to undergraduate students or graduate/professional students. Interest accrues from the date of disbursement at a variable rate not to exceed 9% annually. The federal government sets the rate each year. Graduate students may borrow up to $20,500 annually with an aggregate maximum of $138,500 (including subsidized and unsubsidized loans borrowed at the undergraduate level).

Cumulative maximums for Federal Direct Subsidized and Unsubsidized Stafford Loans for each student category

Student	Amount
Dependent Undergraduate Subsidized + Unsubsidized	$31,000
Independent Undergraduate Subsidized only	$23,000
Independent Undergraduate Subsidized + Unsubsidized	$57,500
Graduate (Includes undergraduate loans) Subsidized only	$65,000
Graduate (Includes undergraduate loans) Subsidized + Unsubsidized	$138,500

Federal Perkins Student Loan

The University participates in the Perkins Loan Program authorized by the National Education Act of 1958 (Public Law 85-864) as amended by the Education Amendments of 1976 (Public Law 94-482). This loan is available to undergraduate and graduate students on the basis of exceptional financial need. Repayment and interest are deferred until nine months after the student graduates or ceases to be enrolled for at least six semester credit hours. The current interest rate is 5% annually. Under certain circumstances a portion of the loan may be canceled for designated public service.

Federal Perkins Student Loan Maximums

Borrower's Academic Level	Annual Limit	Aggregate/Cumulative Maximum
Undergraduate	$5,500	$27,500
Graduate	$8,000	$60,000

Federal Nursing Student Loan Program

The University participates in the Nursing Student Loan Program which was established by the Nursing Training Act of 1964. This loan is available to undergraduate and graduate nursing majors on the basis of financial need. The interest rate is currently 5% annually. Repayment and interest are deferred until nine months after a borrower graduates or ceases to be enrolled for at least six semester credit hours in the College of Nursing.

Federal Nursing Student Loan Maximums

Borrower's Academic Level	Annual Maximum
Freshman & Sophomore	$2,500
Junior & Senior	$4,000
Graduate	$4,000
The aggregate/cumulative maximum is $13,000 including amounts borrowed for both undergraduate and graduate study.	

The Ella Kate and Wallace Ralston Medical and Nursing Student’s Loan Fund

The Ella Kate and Wallace Ralston Medical and Nursing Student’s Loan Fund was established under the will of the late Ella Kate Ralston of Houston, TX. Mrs. Ralston was the widow of Dr. Wallace Ralston, a prominent Houston physician who specialized in diseases of the eye until his death in 1951. To the extent funds are available; this fund provides loans to full-time medical or nursing students who are Texas Residents and citizens of the United States. Loans up to $5,000 annually for medical students and up to $2,000 annually for nursing students are awarded on the basis of financial need. Preference will be given to junior and senior students, but loans may be granted to sophomores if funds are available.

Federal Direct Graduate PLUS Loan

This loan is available to degree or certification seeking students, enrolled half-time or more, who have exhausted their annual eligibility for the Unsubsidized Federal Direct Stafford Loan. A credit check is required and a FAFSA must be completed. Students may borrow up to the cost of attendance minus other aid received. Repayment begins 60 days after the final disbursement of the loan, but may be deferred during continued half-time enrollment. Interest payments not made during periods of enrollment or deferment will be capitalized.

Emergency Loan Fund

To be eligible for an Texas Public Education Emergency Loan (http://www.twu.edu/finaid/tpe-emergency-loans.asp), a student must be enrolled or accepted for enrollment at the University. These loans are restricted to the payment of University charges for tuition, fees, room and board. These loans

are of a short-term emergency nature and must be repaid within 60 days. The rate of interest is three to five per cent depending upon the source of funds.

Information and online applications are available through the TWU Pioneer Portal (https://portal.twu.edu/default.asp).

Financial Aid Refunds and Repayments

Financial aid recipients who enroll and receive aid for a particular semester, then fail to complete more than 60% of that semester, will have to repay part or all of the aid received for that semester. Additionally, any tuition, fees, room or board payments refunded by TWU as a result of a student's withdrawal must be returned to the financial aid programs in accordance with federal law.

Up through the 60% point in each semester, a *pro rata* schedule is used to determine the amount of aid to be repaid by a student who withdraws. No adjustments in financial aid are required for students who withdraw after the 60% point in a semester.

Examples of refund and overpayment calculations for financial aid recipients may be obtained from the Office of Financial Aid (http://www.twu.edu/finaid).

Financial Aid Overawards

In accordance with federal law, financial aid awards will be revised if the recipient receives awards in excess of documented financial need or total cost of attendance for a specific term or year. For information regarding repayments or revisions to financial aid awards due to dropping classes, withdrawing from the University, or receiving additional resources after a financial aid offer has been made by the University, contact the Financial Aid Office.

Consumer Information Disclosures

As a participant in Title IV Federal Student Financial Aid Programs, Texas Woman's University is pleased to provide the following Consumer Information to you:

Financial Aid Information

Financial aid information is available online at the Office of Financial Aid (http://www.twu.edu/finaid).

The information includes:

- A description of all Federal, State, local, private, and institutional student financial aid assistance available to students who enroll at Texas Woman's University;
- A description of need-based and non-need-based federal financial aid that is available to students including scholarships, grants, work-study, and loans;
- Policy for the disbursement of funds for books and supplies to students eligible for Pell Grants;
- The terms and conditions under which students receive Federal Direct Student Loans, Federal Parent Loans, Federal Perkins Student Loans, Federal Nursing Student Loans, Texas (State) College Access Loans and Texas (State) Be-On-Time Loans;
- The procedures and forms by which students apply for financial assistance;
- The criteria for selecting aid recipients from the group of eligible aid applicants;
- The criteria for determining the amount of a student's award;
- The rights and responsibilities of students receiving financial assistance;
- The criteria for continued student eligibility under each financial aid program;
- The academic standards which the student must maintain in order to be considered to be making satisfactory academic progress in his or her course of study for the purpose of receiving financial aid;
- The criteria by which the student who has failed to maintain satisfactory academic progress may reestablish his or her eligibility for financial assistance;
- The method by which financial aid is disbursed and the frequency of those disbursements;
- The terms of any loan received by a student as part of the student's financial aid package, a sample loan repayment schedule for sample loans and the necessity for repaying loans;
- The general terms and conditions applicable to any employment provided to a student as part of the student's financial aid package;
- The exit counseling information provided and collected by Texas Woman's University for borrowers under the Federal Perkins Loan Program, the Federal Nursing Loan Program, and the Federal Direct Student Loan Program.

The names and titles of persons designated to assist students in obtaining financial aid information are available at Office of Financial Aid (http://www.twu.edu/finaid/staff.asp).

The names and titles of persons designated to assist students in obtaining admissions and general school information are available at:

Graduate School (http://www.twu.edu/gradschool/staff.asp)

Admissions Counselors (http://www.twu.edu/admissions/meet-the-admissions-team)

Education Abroad

Students interested in studying abroad should contact Education Abroad Programs (http://www.twu.edu/education-abroad).

Students who participate in programs abroad which are approved for academic credit at Texas Woman's University may receive federal (Title IV) financial aid. Information on financial assistance for education abroad is also available through Education Abroad Programs.

Cost of Attendance

Cost of attendance information, including tuition and fees charged to full-time and part-time students, estimates of costs for necessary books and supplies, estimates of typical charges for room and board, estimates of transportation costs for students, and any additional cost of a program in which a student is enrolled or expresses a specific interest, is available at:

Estimated Cost of Attendance (http://www.twu.edu/finaid/estimated-cost-attendance.asp)

Office (http://www.twu.edu/bursar) of the Bursar (http://www.twu.edu/bursar)

Tuition and Fee Refund Policy

Policies about tuition and fee refunds resulting from dropped courses or withdrawals (http://www.twu.edu/bursar/RefundInformation.asp).

Withdrawing from the University

Requirements and procedures for dropping courses or officially withdrawing from the university (http://www.twu.edu/registrar/dropping-withdrawing.asp).

Financial Aid Repayments Due to Withdrawal or Dropped Courses

Information on financial aid repayments resulting from withdrawal or dropped courses can be found in the Financial Aid Refunds & Repayments section of this catalog.

Academic Programs

Information on academic programs available at Texas Woman's University, accreditation, instructional personnel, and plans for improving academic programs is available at Office of Academic Affairs (http://www.twu.edu/academic-affairs/default.asp).

A copy of the most recent accreditation report may be obtained at the SACS - Commission on Colleges (http://www.twu.edu/sacs).

Questions regarding academic accreditation, licensing, and placement of and types of employment obtained by graduates of degree and certificate programs should be directed to:

Robert Neely, Ph.D.
Provost & Vice President for Academic Affairs
Texas Woman's University
P.O. Box 425617
Denton, TX 76204
PH: 940.898.3301

Graduation and Completion Rates

Information on graduation and completion rates for Texas Woman's University is available in the Fact Book (http://www.twu.edu/institutional-research/fact-book.asp).

Questions concerning graduation and completion rates should be directed to:

Mark S. Hamner, Ph.D.
Assistant Provost
Texas Woman's University
P.O. Box 425765
Denton, TX 76204-5765
PH: 940.898.3039

Equity in Athletics, Athletic Funding

The most recent Equity in Athletics Report can be found at TWU Athletics (http://www.twuathletics.com).

Questions concerning Equity in Athletics, athletic funding, or athletic programs should be directed to:

Chalese Connors, Athletic Director
Texas Woman's University
P.O. Box 425349
Denton, TX 76204
PH: 940.898.2378

Drug and Alcohol Abuse Prevention

Information on drug free campuses and communities, alcohol and drug policies, and drug abuse and treatment programs is available in the Texas Woman's University Student Handbook (http://www.twu.edu/student-life-office/student-handbook.asp). Questions concerning alcohol and drug policies and drug abuse and treatment programs should be directed to:

Monica Mendez-Grant, Ed.D.
Vice President for Student Life
Texas Woman's University
P.O. Box 425379
Denton, TX 76204
PH: 940.898.3601

Crime Statistics, Security Policies, and Fire Safety

Information on crime statistics, security policies, and fire safety is available at the TWU Department of Public Safety (http://www.twu.edu/dps).

Questions concerning crime statistics, security policies or fire safety should be directed to:

Elizabeth Z. Pauley, Director of Public Safety
Texas Woman's University
P.O. Box 425767
Denton, TX 76204-5767
PH: 940.898.2911

Disability Support Services

Information about services and facilities available to students with disabilities, including students with intellectual disabilities, is available at the Office of Disability Support Services (http://www.twu.edu/disability-support-services).

Questions concerning disability services and facilities should be directed to:

Jo Ann Nunnelly, Director of Disability Support Services
Texas Woman's University
P.O. Box 425966
Denton, TX 76204-5966
PH: 940.898.3835

Rights, Responsibilities and Other Legal Matters

Withdrawing or Dropping Courses

A student who withdraws or drops courses after receiving a financial aid payment may be required to repay part or all of their financial aid immediately. Withdrawing or dropping below six semester credit hours may also impact future financial aid eligibility. Students are strongly advised to contact the Office of Student Financial Aid prior to making decisions regarding withdrawing or dropping classes. Also, see the "Satisfactory Academic Progress Requirements" section for information on the impact of dropping classes or withdrawing.

Simply not attending class, or not paying for the registration, will not automatically cancel the classes. Failure to withdraw officially will result in grades of "F" for each class in which one has pre-registered. Students may incur additional cost if proper withdrawal procedures are not followed. Some financial aid funds such as grants, scholarships, Federal Perkins Loans, Federal Stafford Student Loans, Parent Loans for Undergraduate Students, Graduate PLUS Loans, Emergency Loans, and Nursing Student Loans are applied automatically toward registration or pre-registration charges. This results in the student's registration or pre-registration being finalized. Consequently, students who register and later decide not to attend Texas Woman's University,

must contact Student Life at 940-898-3601 to officially withdraw from all classes. Failure to officially withdraw may make the student responsible for repaying financial aid. See “Financial Aid Refunds and Repayments” section for more information.

Legal Rights of Financial Aid Recipients

Students receiving federal student aid have certain legal rights. Students' rights include the following:

- The student has the right to know what financial aid programs are available at TWU.
- The student has the right to receive a listing from the financial aid office of the agency in each state which may be contacted regarding grants available to residents of that state.
- The student has the right to know the deadlines for submitting applications for each of the financial aid programs available.
- The student has the right to know how financial aid will be distributed, how decisions on that distribution are made, and the basis for these decisions.
- All financial aid payments are disbursed on a term by term basis. Typically, students receive one disbursement per term or semester. Funds awarded after the start of a term are disbursed as the funds become available.
- All scholarships, grants, Federal Direct Stafford Loans, Federal Perkins Loans, Nursing Loans, Federal Direct Graduate PLUS, and Federal Direct Parent Loans credited to your student account will be applied to any charges owed to TWU. Any amount exceeding charges owed to TWU will be refunded to you via the current university process.
- Refunds are issued to the student five days prior to the start of classes each term, or within two working days of the awarded funds being credited to your account for funds received after the start of classes.
- If you add classes or incur other charges to your student account after a financial aid refund has been issued to you, you must pay the additional charges by utilizing the refund or personal funds.
- The student has the right to know how his/her financial need was determined.
- The student has the right to know what resources (such as parental contribution, other financial aid, assets, etc.) were considered in the calculation of his/her financial need.
- The student has the right to know how much of his/her financial need, as determined by the institution, has been met.
- The student has the right to request an explanation of the various awards in his/her student aid package.
- The student has the right to know the school's refund policy.
- The student has the right to know what portion of the financial aid he/she receives must be repaid, and what portion is grant (free) aid. If the aid is a loan, the student has the right to know what the interest rate is, the total amount that must be repaid, fees during repayment, the payback procedures, the length of time he/she has to repay the loan, when repayment is to begin, and available options for consolidation.
- The student has the right to know how the school determines whether he/she is making satisfactory academic progress, and the results of not meeting these standards.
- If the student is offered a Work-Study job, he/she has the right to know the required work hours, the job duties, the rate of pay, and how and when paychecks are received.
- If the student believes a mistake has been made in determining his/her financial aid eligibility, he/she has the right to ask that his/her financial aid application be reconsidered.
- If the student has a loan and the loan servicer transfers (e.g.sells) the loan and the right to receive payments, the student must be sent a notification telling him/her to whom he/she must now make payments.
- Lenders and loan servicers must provide borrowers with a copy of the complete promissory note.
- The student has the right to prepay a loan without penalty. This means that he/she may at any time pay in full the loan balance and any interest due without being charged a penalty by the loan servicer for early payment.
- If the student cannot meet a loan repayment schedule, he/she may request forbearance from the loan servicer under which the payments may be reduced for a specific period of time.
- In borrowing money, the student assumes the responsibility for repaying the loan. If circumstances arise which make it difficult to meet this responsibility, he/she should contact the loan servicer.

Legal Responsibilities of Financial Aid Recipients

Students receiving federal student aid have certain legal responsibilities. Student responsibilities include the following:

- The student must complete all application forms accurately and submit them on time to the appropriate location.
- The student must provide correct information. The intentional misreporting of information on financial aid application forms is a violation of the law and is considered a criminal offense which could result in indictment under the U.S. Criminal Code.
- The student must return all additional documentation, verification, corrections, and/or new information requested by either the Financial Aid Office or the agency to which an application was submitted.
- The student must report to the Financial Aid Office any additional financial resources received by him/her during the period of his/her financial aid award.
- The student is responsible for reading and understanding all forms that he/she is asked to sign and for keeping copies of the forms.

- The student must accept responsibility for all agreements that he/she signs.
- The student must perform the work that he/she has agreed upon in accepting Work-Study or regular student employment.
- The student must be aware of and comply with the deadlines for application or reapplication for aid.
- The student should be aware of the school's refund policy.
- All schools must provide information to prospective students about the school's programs and performance. The student should consider this information carefully before deciding to attend school.
- If the students receives a loan, he/she must notify the loan servicer if any of the following occurs before the loan is repaid:

    1. Graduation
    2. Withdrawal from school or less than half-time enrollment
    3. Change of address
    4. Name change
    5. Transfer to other school(s)

- If the student has received a Federal Perkins Loan, Nursing Student Loan, Federal Stafford Loan, or a Graduate PLUS Loan, he/she must complete an entrance loan counseling/debt management session, either in person or online, prior to receiving their first disbursement of loan funds at TWU. NOTE: Federal Perkins Loan and Nursing Student Loan recipients must complete entrance loan counseling/debt management each year.
- The student must also complete an exit interview, either in person or online, if enrollment drops below 6 credit hours; or if he/she graduates, transfers to another school, or fails to enroll for any long semester.
- The student must repay any loan received at TWU, plus accrued interest, in accordance with the repayment schedule.
- In borrowing money, the student assumes the responsibility for repaying the loan. If circumstances arise that make it difficult to meet this responsibility, he/she should contact the loan servicer.
- The student must notify the lender of any occurrence which may affect eligibility for a deferment of repayment.
- It is the student's responsibility to return his/her signed award letter to the Financial Aid Office or accept aid through the TWU Pioneer Portal within 14 days of its issuance.

Student Life

Student Rights and Responsibilities

Texas Woman's University is a community of scholars in which the ideals of freedom of inquiry, freedom of thought, freedom of expression and freedom of the individual are sustained. TWU is committed to preserving the exercise of any right guaranteed to individuals by the constitution. However, the exercise and preservation of these freedoms and rights require a respect for the rights of all people in the community to enjoy them to the same extent. In a community of learning, willful disruption of the educational process, destruction of property, and interference with the orderly process of the university or with the rights of other members of the university cannot be tolerated.

Students enrolling in Texas Woman's University and registered student organizations assume an obligation to conduct themselves in a manner compatible with the University's function as an educational community. The act of registering for classes or registering as a TWU student organization is considered an explicit acceptance of TWU's regulations as outlined in the most recent issue of the Student Handbook and Planner, the General Catalog, the Graduate Catalog, and other official University publications. To fulfill its functions of imparting and gaining knowledge, TWU retains the authority to maintain order within the university and to exclude those who are disruptive of the educational process or who represent a threat to the community.

Students and student organizations must assume the following responsibilities:

1. The right to an environment in the residence halls, academic buildings, and other areas on campus which will be as conducive as possible to study and serious inquiry;
2. The right to inquire about and to recommend improvements in policies, regulations, and procedures affecting the welfare of students through appropriate channels such as student government, administrative offices and various committees;
3. The right to a fair hearing (procedure described below) when charged with violation of University regulations.

Students and student organizations must assume the following responsibilities:

1. The responsibility for being fully acquainted with published regulations and for complying with these regulations in the interest of an orderly and productive community;
2. The responsibility for respecting the rights and property of other persons in the University community.
3. The responsibility for knowing that each student's conduct reflects not only upon the student but also upon the institution and the members of the community and that conduct must be judged accordingly.
4. Responsibility to help maintain a safe environment by reporting suspicious/concerning/dangerous behavior to university officials.

For further information on student conduct policies please refer to the current Student Handbook and Planner (http://www.twu.edu/student-life-office/student-handbook.asp) in the print or web edition.

Services Available to Students

- Career Connections Center (p. 42)
- Center for Student Development (p. 43)
- Child Care (p. 46)
- Commuter and Non-Traditional Student Services (p. 46)
- Conference Services (http://www.twu.edu/conference-services)
- Consumer Information (p. 47)
- Counseling and Family Therapy Clinic (p. 47)
- Counseling Services (p. 47)
- Dental Hygiene Clinic (p. 47)
- Disability Support Services (p. 48)
- Eighteen Doctoral Characteristics (p. 48)
- Fitness and Recreation (p. 48)
- Food Services (p. 49)
- Gainful Employment Reporting (p. 49)
- ID Card/Pioneer Card (p. 49)
- Intercollegiate Athletics (p. 49)
- Mary Eleanor Brackenridge Student Union (http://catalog.twu.edu/graduate/services-available-students/mary-eleanor-brackenridge-student-union)
- Office of Diversity, Inclusion and Outreach (http://www.twu.edu/diversity-inclusion-outreach)
- Office of Student Support Services (http://www.twu.edu/teacher-certification)
- Pioneer Center for Student Excellence (p. 50)
- Quality Enhancement Programs (p. 51)
- Speech-Language-Hearing Clinic-Denton / Stroke Center-Dallas (p. 51)
- Student Handbook (p. 51)
- Student Health Services (p. 52)
- Student Life Office (http://www.twu.edu/student-life-office)
- Student Publications (p. 53)
- Tutoring Centers (p. 53)
- University Housing (p. 54)
- Write Site (http://www.twu.edu/write-site)
- Veteran & Military Student Center (p. 54)

Career Connections Center

www.twu.edu/career-services/

Lisa Garza, Director

Location: *Human Development Building, 200*
Phone: *940-898-2950*
Email: *careers@twu.edu*

The Career Connections Center (http://www.twu.edu/career-services) serves as a bridge from your educational experience to the world of work. We are here to help you with all aspects of your career planning, from choosing a major to negotiating a salary. The Career Connections Center has professional and friendly staff available to work with students from each TWU College and campus providing tailored advising to meet individual needs.

Offering a wide variety of programs to aid students throughout the *career exploration* (http://www.twu.edu/career-services/career-counseling-appointments-benefits.asp) and preparation process, we partner with you to:

- Choose a major and *connect academics to careers*
- Design a plan for success
- Connect to potential career and internship opportunities
- Connect with *employers in fields of interest* and learn the effective job search strategies to get you where you want to be

Whether you are on-campus or on-line, the Career Connections Center has programs, tools, and resources available to assist you as you prepare for and make career decisions.

- Self-exploration assessment tools
- No appointment needed, *drop in hours* for resume and cover letter critiques along with other career related questions
- *On-line resources* including tools to assist you with resume and letter writing, interview practice, portfolio development, and more
- Career advising appointments
- Workshops and seminars on a wide range of relevant career related topics
- Job postings (http://www.twu.edu/career-services/off-campus-jobs.asp), career fairs (http://www.twu.edu/career-services/career-days.asp), on-campus interviews

So come visit us and *make a connection* that can lead to your career success!

Center for Student Development

The Center for Student Development (CSD) provides leadership development opportunities and promotes student involvement. In addition, the office provides service leadership through outreach programs utilizing a volunteer network. Students who are interested in information about volunteer services, campus programs, leadership development, or campus organizations should contact the Center for Student Development (http://www.twu.edu/student-development) at 940-898-3626, or come by the office located on the first floor of the Student Union.

Student Government Association

The Student Government Association (http://www.twu.edu/student-government) (SGA) has a long history of student participation and service to the University. SGA meetings are held on each campus (Denton, Dallas, and Houston) on a regular basis, and all students are welcome and encouraged to attend the meetings. Active participation in SGA committees provides students with an opportunity to play a major role in the decision making on their respective campus. Students interested in holding a leadership position in SGA must qualify for office according to the standards stated in the Constitution and Bylaws. Elections are held in the spring semester on all campuses. Students should contact the Center for Student Development for specific dates regarding the Denton campus elections. For Dallas and Houston dates, please contact the Assistant Director of Student Life on the appropriate campus.

Campus Activities Board

The Campus Activities Board (http://www.twu.edu/student-government/campus-activities-board.asp) (CAB), is a student-run organization responsible for providing activities and programs for the student body and the University community. CAB also provides valuable experiences and opportunities for students to develop personal and professional skills in leadership, time management, and group dynamics. Chair positions and committee memberships are open to all students. Additional information is available through the Center for Student Development.

Leadership Development

Students at TWU are encouraged to take advantage of both the formal leadership development programs and the informal opportunities to develop their personal and professional skills. This approach to leadership ensures that students can tailor their own program to promote their individual needs.

Leadership programs, workshops, and retreats provide a strong basis for transitions from TWU to the work force after graduation. Participation in the leadership development program is an integral part of a student's college experience.

Graduate Student Orientation

The Center for Student Development (http://www.twu.edu/student-development) (CSD) offers an annual orientation for new graduate students. For more information, contact the Center for Student Development at 940-898-3626, the Graduate Orientation website (http://www.twu.edu/graduate-orientation), or email orientation@twu.edu.

Student Organizations

Involvement in University Student Organizations is an important element of a university education that embraces the student as a person and a citizen which has been at the core of a TWU education from the beginning of TWU. The purpose of involvement in student organizations includes learning to be innovative, broadening the minds of students, and having students learn things about themselves and the world around them that they are unlikely to learn anywhere else. Involvement in student organizations enables students to have purposeful interactions on campus and find additional meaning in their experiences.

In addition, participation in student organizations allows students to acquire leadership, communication, and team building skills. Participating in student organizations is beneficial during a student's collegiate experience and in their role as a citizen within the community. Organizations such as honorary societies, sororities, fraternities, professional organizations, and various special interest groups are vital components of the educational experience at Texas Woman's University (TWU). Participation in student organizations is important to a student's intellectual and professional development. A current listing of registered and recognized (both sanctioned and chartered) student organizations may be obtained from the Center for Student Development (CSD) on the Denton campus or its website, and current listings of student organizations on the Dallas and Houston campuses may be obtained through their respective Offices of Student Life or on their web pages.

Student Organization Policies and Qualifications

TWU Student Organizations:

- Shall be open to all TWU students regardless of race, creed, disability, sexual orientation, age, and/or sex (National sororities and fraternities, NPC and NPHC groups, are exempt from gender discrimination under Title IX Education Code).
- Shall adhere to Federal law and University Policies, Regulations, and Procedures regarding sexual harassment. No member of the University community may sexually harass another. Charges of sexual harassment against any employee or student will result in investigation and disciplinary action(s).
- Shall recognize sexual assault is a felony under the criminal laws of the State of Texas and will not be tolerated at Texas Woman's University. In addition to legal recourse, any such act committed by a Texas Woman's University student is a violation of the Student Code of Conduct and subject to disciplinary action at the University.
- Shall not participate in any hazing activities or activities that would fall under the University Policies, Regulations and Procedures of hazing.
- Shall not serve, sell, or consume alcoholic beverages at any organization meeting or function on or off campus. All organization meetings and functions are alcohol-free.
- Shall adhere to alcohol and drug use laws, policies, regulations, and procedures.
- Must comply with Regent Policy and University Regulations and Procedures (URPs) regarding the distribution of information. Before posters or flyers can be distributed or displayed on campus, they MUST be approved by the CSD and be marked appropriately.
- Shall comply with the Student Code of Conduct.
- Shall follow all University fundraising Policies, Regulations, and Procedures including, but not limited to, auctions, silent auctions, raffles, and bake sales.

In addition, TWU Student Organizations:

- Shall meet a genuine, demonstrated student interest.
- Shall submit a local constitution and/or national constitution (if applicable) annually to the CSD.
- Shall be led by TWU student officers elected or appointed by the organization.
- Shall have at least one (1) part-time or full-time TWU faculty, staff, and/or Graduate Assistant/Graduate Teaching Assistant advisor, but are encouraged to have two. Information about the responsibilities and obligations of a Student Organization advisor is available at the CSD office.
- Shall renew their organization paperwork each spring semester with the respective CSD office on each campus.
- An organization must complete the new Student Organization process if the group has not renewed their paperwork within the in the last academic year.
- Shall update Student Organization officer and advisor information as necessary whenever there is a change of advisor(s) with the respective CSD office.

- Shall not use University's insignia, seal, logo, or name in its official title, logo, on financial documents including checking accounts and signature cards, or on applications or legal forms asking for an organization's name. Use of the University's insignia, seal, logo, or name is subject to restrictions found in University policies, regulations, and procedures.
- Shall not use the TWU Tax ID number. Each Student Organization is encouraged to apply for an organization Tax ID number with the IRS.
- Student Organizations may not plan co-curricular activities (including mandatory meetings and Student Organization functions) the week prior to and the week of final exams.

All Code of Conduct violations will be addressed by the Office for Civility and Community Standards in conjunction with the Center for Student Development.

Establishment of a Chartered Student Organization

In order to establish a chartered student organization, an individual or group must demonstrate the organization meets a genuine student interest. At least five (5) TWU students from the same campus must sign the application, however it is recommended that there be ten (10) signatures to demonstrate there is true interest in the proposed student organization.

If an individual or group believes there is: 1) a sustained interest in the proposed organization; 2) an existing organization is not able to fill the needs of the proposed organization; 3) the purpose of the proposed organization is well-defined and serves the community on- or off-campus; and 4) organizational goals, objectives, recruitment, programs, and activities are identified, then the individual or group should begin the application process to become a charter organization. The application process is administered through Student Government with assistance from the CSD.

Student Organization Procedures and Qualifications

For any student organization to be officially recognized by the University, it must apply for and be approved as a registered and recognized student organization. Approval does not indicate University endorsement; however, recognition will allow official name acknowledgement, fundraising, and usage of facilities. In order to be approved, the bylaws of a Student Organization must contain specific comprehensible language that states the group does not represent the University. The University has the right to reject any groups that violate University policies, regulations, and/or procedures and are not aligned with the mission and values of the University.

Restrictions on Student Organizations

Student Organizations must refrain from discrimination as defined by University policies, regulations, and procedures as well as federal, state, and local statutes (Greek organizations are exempt from gender discrimination). The Student Organization cannot admit an individual to membership who is not a current member of the TWU community. The TWU community includes all enrolled students. Non-TWU community members may participate in group events at the discretion of the Student Organization. The use of University facilities, equipment, and systems is governed under related TWU policies, regulations, and procedures.

Student Events/Programs

Students who wish to have events or programs with attendance of 100 persons or more must adhere to policies stated in the Special Events Policy on the Special Events Form. (Conference Services has Scheduling Procedures for Student Orgs on their website: http://www.twu.edu/conference-services/forms.asp). Students must also fill out a student organization event checklist.

In support of the mission of Texas Woman's University, the Division of Student Life does not allow for planning co-curricular activities during the week prior and the week of final exams. Creating or implementing meetings, programs, or activities during this time period may jeopardize students' ability to perform to their highest academic potential.

Financial Management

Funds received and/or collected by the organization are not the responsibility of the University; they are the responsibility of the organization. Texas Woman's University does not provide safe keeping or accounts for student organization funds. Chartered organizations are recommended and encouraged to open checking and saving accounts at a local bank; sanctioned organizations are not permitted to have an off-campus bank account. Sanctioned organizations are sponsored by the University and receive University funding; any funds they raise can be deposited into an appropriate University revenue account.

For chartered student organizations that wish to place their monies in a checking account, the only option is to open an account off-campus. Many student organization leaders find that opening an off-campus account to be beneficial as they can make withdrawals and deposits at ease. It is important to note that opening an account for a student organization has different requirement than that of a personal account. The following information is imperative to the proper opening of a Student Organization off-campus account:

- Organizations must apply and receive a tax identification number from the Internal Revenue Service (IRS) by completing form SS-4.
- The IRS can be contacted at 1-800-829-4933 or www.irs.gov (http://www.irs.gov)
- Upon receiving a tax identification number and opening a bank account, the student organization must report this information to the Center for Student Development on the Denton campus or the appropriate Office of Student Life on the Dallas or Houston campuses.

- It is recommended that two signatures be required on each check to hold student leaders accountable for their organizational spending.

Establishing New Student Organizations

Recognized and Registered Organizations: All Student Organizations (sanctioned and chartered) must submit renewal paperwork every spring in order to be registered as a recognized organization by TWU for the following academic year. Renewal paperwork includes, but is not limited to, a constitution, bylaws, and a risk management agreement. All student organizations must also send representatives to the annual Risk Management training sessions. Renewal paperwork is submitted to CSD in Denton or the Offices of Student Life on the Dallas and Houston campuses.

- **Chartered Organization:** A student organization that is officially recognized by the University. Chartered organizations must apply for and be approved as a recognized and registered chartered organization on an annual basis.
- **Sanctioned Organizations:** Sanctioned organizations receive University funding. Sanctioned organizations must be registered and recognized annually. The Student Government Association is an example of a sanctioned organization.

In order to establish a chartered student organization, an individual or group must demonstrate the organization meets a genuine student interest. At least five (5) TWU students from the same campus must sign the application, however it is recommended that there be ten (10) signatures to demonstrate there is true interest in the proposed student organization.

If an individual or group believes there is: 1) a sustained interest in the proposed organization; 2) an existing organization is not able to fill the needs of the proposed organization; 3) the purpose of the proposed organization is well-defined and serves the community on- or off-campus; and 4) organizational goals, objectives, recruitment, programs, and activities are identified, then the individual or group should begin the application process to become a charter organization. The application process is administered through Student Government with assistance from the CSD.

Requirements for Elected and Appointed Officers of Student Organizations

Academic and social standards for membership and service as officers of student organizations are stipulated in the respective constitutions and bylaws of each organization. In some cases, such requirements may be above the general University requirements. In order to qualify for elected or appointed posts, a student must be in good standing with the University and must have a cumulative grade-point average of 2.0.

Volunteer Services

TWU Volunteer Services (http://www.twu.edu/volunteer-services) seeks to engage students in experiences that address human and community needs. They strive to promote student learning and development through their programmatic endeavors and commitment to a culture of active citizenship.

TWU students, faculty, and staff can participate in programs and events sponsored by the office such as: Volunteer Fairs, Lunch & Learn Brown Bag Workshop Series, Fall for Fall Service Day, Make a difference Day, MLK Day of Service, The Big Event, and Philanthropy Spotlight events. Additionally, Volunteer Services sponsors weekend and week-long opportunities through the Alternative Breaks Program.

For members of the TWU community that are not sure how to get started in their service, Volunteer Services also does individual consultations to help narrow your search. Students are also encouraged to join the Helping Hands Service Ambassadors. For more information on how you can get involved, please visit the Volunteer Services website (http://www.twu.edu/volunteer-services) or contact the Coordinator of Volunteer Services at 940-898-3626.

Child Care

The CARE (Campus Alliance for Resource Education) office provides educational resources for students seeking childcare. Some available resources include Texas Child Care Services (CCS) Assistance Program, the Texas licensing database, and tips for evaluating quality care and list of child care centers (including TWU Club House). For additional resources and information please visit CARE- Child Care (http://www.twu.edu/commuter/child-care.asp).

CARE (formerly Commuter and Non-Traditional Student Services)

Texas Woman's University is committed to meeting the unique needs of commuter and non- traditional students (including veterans, students with children, adult learners, and students who have experienced foster care). The CARE (http://www.twu.edu/commuter/default.asp) Office, located in the Denton Student Union room 209, connects commuter, off campus, online and non-traditional students with University resources.

The CARE (http://www.twu.edu/commuter/default.asp) Office provides students with commuter tips and information on transportation (carpooling, bus schedules & parking), off campus housing, childcare, non-traditional student scholarships, monthly newsletter, holiday gift program, student organizations and more.

- Campus Alliance for Resource Education (CARE (http://www.twu.edu/commuter/default.asp))
- Commuter Services (See CARE (http://www.twu.edu/commuter/default.asp))
- Frontiers (http://www.twu.edu/foster-care-alumni) Program (students who experienced foster care)
- The Lasso (http://www.twu.edu/the-lasso) (see Publications)

- Veteran & Military Student Center (http://www.twu.edu/veterans/veterans-center.asp) (See Veteran and Military Services Center)

Consumer Information

Information concerning the graduation rate of full-time degree seeking students may be obtained by contacting:

Office of Institutional Research and Data Management (http://www.twu.edu/institutional-research)
P.O. Box 425765
Denton, TX 76204-5765

Statistics on the occurrence of on-campus crime and the number of arrests may be obtained by contacting:

Department of Public Safety (http://www.twu.edu/dps)
P.O. Box 425767
Denton, TX 76204-5767

Statistics on athletic aid recipients including race, gender, sport, and graduation rates; policies regarding the possession, use, and sale of illegal drugs and the enforcement of federal and state drug laws; and policies regarding sexual assault, programs to prevent sex offenses, and procedures to follow when a sex offense occurs; as outlined in the *Student Handbook* (http://www.twu.edu/student-life-office/student-handbook.asp), may be obtained by contacting:

Vice President for Student Life (http://www.twu.edu/student-life)
P.O. Box 425379
Denton, TX 76204-5379

Counseling and Family Therapy Clinic

The Counseling and Family Therapy Clinic (http://www.twu.edu/family-sciences/counseling-family-therapy-clinic.asp), housed within the Department of Family Sciences (http://www.twu.edu/family-sciences), is open to the public and provides counseling for families, couples, groups, and individuals, both adults and children. Clinical services are provided by doctoral and master's level family therapists and master's level counselors within the department. All therapists and counselors are supervised by a clinical director and clinical faculty who have earned doctoral degrees, maintain licensure in a mental health discipline, and have more than 100 years of combined experience helping people overcome problems.

The Clinic provides an atmosphere of respect and dignity where each individual and family can be effectively served. Fees are assessed on a sliding scale in order that counseling, education, and preventive services are affordable for every family, couple, and individual. For an appointment or more information, call the Counseling and Family Therapy Clinic (http://www.twu.edu/family-sciences/counseling-family-therapy-clinic.asp) at 940-898-2600. The Clinic is located in HDB 114 on the Denton campus.

Counseling Services

With offices on the Denton, Dallas, and Houston campuses, the Counseling Center (http://www.twu.edu/counseling) assists students with personal, relationship, and vocational concerns. Professional psychologists provide individual, couples, crisis and group counseling; workshops and presentations; and other special programs designed to meet students' needs. Psychiatric consultation is available as a part of the counseling services when deemed appropriate.

All counseling services are free and confidential to currently enrolled students. A student may request help directly or be referred by faculty or other interested persons. In most cases adequate time will be provided to assist students with their concerns, although the University cannot provide long-term individual counseling. Referral assistance is provided for those individuals needing more extensive counseling than the Counseling Center is able to provide. In Denton, students may visit the Counseling Center in West Jones Hall or call 940-898-3801. In Dallas, students should call 214-689-6655 for an appointment. In Houston, students may visit the Counseling Center on the second floor or call 713-794-2059.

The Counseling Center also maintains a number of internet-based resources on its web site. These include on-line workshops students may access at any time, self-help handouts, links to other resources, and more information about Counseling Center services. For more information, visit the Counseling Center website. (http://www.twu.edu/counseling)

Dental Hygiene Clinic

Services of TWU's Dental Hygiene Clinic (http://www.twu.edu/dental-hygiene/clinic.asp) are available to faculty, staff, students, and the local community. For a nominal charge, the Clinic provides the following services: Prophylaxis (tooth cleaning), periodontal therapy (deep cleaning), radiographs (x-rays), limited dental examinations and oral cancer screening, and oral disease prevention education and clinical treatment, including fluoride treatments and

sealants. In spring tooth whitening is also offered. The Clinic serves as a laboratory for dental hygiene students, who are closely supervised by licensed, experienced dentists and dental hygienists. The clinic is located on the first floor of the MCL building on the Denton campus.

For more information contact:

Dental Hygiene Clinic (http://www.twu.edu/dental-hygiene/clinic.asp)
P.O. Box 425796
Texas Woman's University
Denton, TX 76204-3796
940-898-2888

Disability Support Services

Location: *CFO 106 (Denton campus)*
Phone: 940-898-3835
E-mail: dss@twu.edu

The Office of Disability Support Services (http://www.twu.edu/disability-support-services) (DSS) provides services for qualified students with disabilities who need assistance in being able to access academic or other programs on each of the TWU campuses. Students are encouraged to contact the DSS office as soon as possible in order to arrange for accommodations to be in place before they begin their program. Students are required to submit an application for services, a class schedule, and documentation that verifies the existence of a disability. The staff in the DSS office will then contact the student to arrange for an intake interview so that together they can determine eligibility for appropriate accommodations. Students who are qualified to receive services will be given an Academic Adjustment letter that they will share with their professors and which outlines the authorized accommodations.

Students needing housing accommodations should contact the Housing Department (http://www.twu.edu/housing) for any modification requests.

All TWU students who park on campus are required to purchase a TWU parking permit. Those students who have state-issued disability licenses or placards may park in any of the designated accessible parking spaces on campus.

Students at the Dallas and Houston centers may receive assistance with accommodations from staff in the Denton office. Texas residents needing disability-related assistance from the Texas Department of Assistive and Rehabilitative Services (http://www.dars.state.tx.us) (Texas DARS) should contact them directly by calling 800-628-5155 three months prior to enrollment.

Eighteen Doctoral Characteristics

The 18 Characteristics of Doctoral Programs were developed by the Texas Higher Education Coordinating Board's Graduate Education Advisory Committee to create a snapshot of all doctoral programs at public universities and health-related institutions. The information is intended to provide information to institutions for self-improvement and to serve as a guide to members of the general public who are interested in doctoral education, such as prospective students and their families (Texas Administrative Code Title 19, Part 1, Chapter 5, Subchapter C, Rule 5.51).

Statistics required to be posted by the Texas Higher Education coordinating Board, "18 Characteristics of Texas Public Doctoral Programs", are published annually on the TWU 18 Doctoral Characteristics website (http://www.twu.edu/gradschool/doctoral-characteristics.asp).

Fitness and Recreation

Fitness and Recreation provides facilities, programs, and services for the University community to promote a healthy lifestyle and to encourage well-being through physical activity. Full service fitness facilities are located on all three campuses and include cardio and strength training machines. Each facility can be accessed with a current student ID. Locker rooms with showers and changing areas are available in each facility.

The fitness center located on the Denton campus includes group exercise studios, a full size gymnasium, a 30-foot climbing wall, a lounge with gaming equipment and a large screen TV, an outdoor sand volleyball court, indoor swimming pool, a golf course, tennis courts, and an outdoor adventure program. In addition, the following services and programs are offered for a nominal fee to students: specialized group exercise classes, sport teams, intramural sports, personal training, and outdoor adventure trips. For more information, contact Fitness and Recreation (http://www.twu.edu/fitandrec) at 940-898-2900.

Students, faculty, and staff may also use the fitness facilities at the Dallas and Houston campuses which include treadmills, ellipticals, steppers, stationary bicycles, assorted strength training machines, and free weights. Various group exercise classes, recreational programs, and special events are also offered throughout the year. For more information, contact Student Life (http://www.twu.edu/student-life-dallas) at Dallas 214-689-6697 or Student Life (http://www.twu.edu/student-life-houston) at Houston 713-794-2157.

Food Services

Dining services (http://twu.campusdish.com) available on the Denton campus include the Garden Room, Chick-Fil-A, and The Underground in the Student Union (http://www.twu.edu/student-union), the C-Store at the Guinn-Stark Commons, The Kiosk in MCL, Which Wich in CFO and Starbucks in the Library . Food service is also available at the Houston and Dallas campuses. Denton campus students who are under the residency requirement are required to purchase a meal plan. Meal plans are also available for commuter students. For further information on meal plan options, contact:

Director of ID Systems and Contracted Auxiliary Services
Texas Woman's University
P.O. Box 425380
Denton, TX 76204
940-898-3565

Gainful Employment Reporting

As required by the U.S. Department of Education, information on completion of graduate certificate programs, median debt of students who completed the program, and other information is found on the TWU website at each individual certificate program site.

ID Card/Pioneer Card

The TWU student identification card is issued upon registration for the first semester a student is enrolled. All students are required to carry a TWU student ID card and to make it available upon request to academic and administrative officials. The TWU ID Card is non-transferable. Fraudulent or unauthorized use warrants confiscation of the ID card. Anyone who uses this card to give false information is subject to university discipline and appropriate criminal prosecution. There is a $25.00 replacement fee for lost, stolen, or discarded IDs. If you have a video image photo ID card from a previous semester, activation is updated automatically based on enrollment.

Student IDs at the Denton campus are distributed at the ID Card Office (http://www.twu.edu/id-services) on 3rd floor of Jones Hall, 940-898-3565. Dallas campus IDs are available at the Student Life Office, 3rd floor, 214-689-6690. Houston campus IDs are distributed at the Student Life Office, 2nd floor, 713-794-2157.

Intercollegiate Athletics

TWU Athletics (http://www.twuathletics.com) functions as an integral part of the total educational offerings of the University through the unique competitive learning experiences it provides. TWU Athletics shares with other components on campus the responsibility to contribute positively to the development of the individual student in an environment that empowers and affirms the full development of women.

A proud member of NCAA Division II (http://www.ncaa.org/d2) and the Lone Star Conference (http://www.lonestarconference.org), TWU Athletics is committed to the philosophy of academic and athletic excellence; where *student* comes first in student-athlete. Since 1982, the combined grade point average of all student-athletes each semester has never dropped below a 3.0. Many Pioneers have been awarded post-graduate scholarships and NCAA awards, and some have been honored with the distinction of TWU Distinguished Alumni.

TWU teams have won conference, regional and national championships. Individual student-athletes have set national records, achieved All-America honors, won medals in the Olympics, and participated on Pan American and national teams representing the United States.

TWU sponsors five varsity women's programs in the sports of basketball, gymnastics, soccer, softball, and volleyball. For additional information, contact:

Director of Athletics
P.O. Box 425349
Denton, TX 76204-5349
940-898-2378

Intercultural Services

The Office of Diversity, Inclusion, and Outreach provides the TWU community with diversity education programs and activities designed to enhance the appreciation for diversity among university students, staff, and faculty. Services include the Cultural Connections Leadership Conference (http://www.twu.edu/intercultural-services/conference.asp), which is designed to enhance leadership skills and cultural appreciation across all cultures, mentor success program, cultural awareness workshops, cultural celebrations and activities, and support for multicultural student organizations. Other resources include the SUCCESS Mentor Program, G-Force Mentorship Program, GO Centers, and the TWU Mobile GO Center. The Office of Diversity, Inclusion, and Outreach is located in Jones Hall, room 200. For more information you may contact us at 940-898-3679, or visit TWU Diversity Inclusion & Outreach. (http://www.twu.edu/intercultural-services)

Mary Eleanor Brackenridge Student Union

The Student Union is named for Mary Eleanor Brackenridge, a strong advocate for the advancement of women. She was appointed to the first Board of Regents, and she was president of the Texas Woman Suffrage Association from 1913 to 1914.

The Student Union (http://www.twu.edu/student-union) at TWU provides facilities and services intended to meet the needs of a diverse University community. The Student Union provides students an opportunity to develop leadership skills that provide a foundation for service within and beyond their academic experience. A notary public service for students, faculty, and staff is available in Room 209 in the building. Contact the Student Union (http://www.twu.edu/student-life-office) at 940-898-3641 for more information. Contact the Student Union office at 940-898-3641 to reserve meeting room space.

The following offices are located in the Student Union on the Denton campus: the Center for Student Development (http://www.twu.edu/student-development), Campus Alliance for Resource Education (CARE) (http://www.twu.edu/commuter/default.asp) and the office of the Vice President for Student Life.

The Student Government Association (http://www.twu.edu/student-government), the Campus Activities Board (http://www.twu.edu/student-government/campus-activities-board.asp), Volunteer Services (http://www.twu.edu/volunteer-services), Greek Life (http://www.twu.edu/greek-life), and the Student Union Board (http://www.twu.edu/student-union/12319.asp) are also located in the building. Student Union space is also provided on the T. Boone Pickens Institute of Health Sciences Campus (http://www.twu.edu/dallas) and in the Houston Center (http://www.twu.edu/houston). Please call the Pickens Institute at 214-689-6503 and the Houston Center at 713-794-2331 for further information.

Other services in the Student Union on the Denton campus include four dining locations, the TWU Bookstore (http://www.bkstr.com/texaswomansstore/home/en?cm_mmc=Redirect-_-VanityURL-_-twu.bkstr.com-_-44404), computer stations, cyber cafe, TV and game room, meeting and lounge space, locker rentals, and a lactation room.

Pioneer Center for Student Excellence

Web Site: http://www.twu.edu/pioneer-center

Grounded within current research and based on high-impact practices, the Pioneer Center for Student Excellence (http://www.twu.edu/pioneer-center) supports academic achievement, assists in the development of professional skills, and contributes to the holistic student experience.

The center is home to multiple programs and services that enhance the academic experience of all TWU students. Services include:

- intensive graduate writing support programs
- academic coaching
- academic enhancement programming
- academic advising coordination
- internships
- collaborative learning spaces

Additionally, the Pioneer Center is home to co-located services including Quality Enhancement Programs (http://catalog.twu.edu/undergraduate/services-available-students/qep), Education Abroad (http://catalog.twu.edu/undergraduate/special-opportunities-programs/education-abroad), and Living Learning Communities (http://www.twu.edu/housing/living-learning-communities.asp). The center is located on the second floor of the Blagg-Huey Library on the Denton Campus, the tenth floor of the TWU Institute of Health Sciences - Houston Center, and provides services to students at the three TWU locations. For more information, please contact the Pioneer Center at 940-898-3755.

Academic Coaching

Academic coaching is a service provided for students who are seeking additional assistance with improving their academic skills, such as time management, test-taking, note-taking, general study skills, learning styles, and academic motivation. Together, the student and academic coach determine areas of needed assistance and work collaboratively to identify the student’s learning strengths that will best assist them with improving in the identified area. Coaching sessions are available in person as well as via the internet.

Internships/Cooperative Education

Internships provide students with supervised learning situations in business, industry, government, or service enterprise. Employers select students for an internship on the basis of individual merit and qualifications. Several academic departments provide students the opportunity to participate in for-credit internships during their course of study. Non-credit internships are also available to students seeking practical work experience to supplement their coursework. More information is available in the Internships/Cooperative Education (http://catalog.twu.edu/undergraduate/special-opportunities-programs/internships-cooperative-education) section of this catalog or at the Pioneer Center for Student Excellence (http://www.twu.edu/pioneer-center).

Quality Enhancement Programs

http://www.twu.edu/qep

Guided by the university's mission and strategic plan, as well as current research on student engagement, the five-year Quality Enhancement Plan (QEP) *Pioneering Pathways: Learn by Doing* focuses on enhancement of student learning through engagement in experiential learning. The QEP provides a systematic plan for implementing and assessing experiential learning throughout the university.

Experiential learning at TWU bridges theory with practice, and is a dynamic, engaged form of learning characterized by active collaboration; real-world problem solving; hands-on application of classroom theories; in-depth engagement with content; or simulation of skills external to the classroom.

The QEP includes the following programs for students and faculty at all TWU locations:

- Experiential Student Scholars
- QEP-designated courses
- Experiential Fellows
- National Society for Experiential Education (NSEE) Experiential Education Academy

The QEP is co-located in the Pioneer Center for Student Excellence on the second floor of the Blagg-Huey Library on the Denton campus.

Speech-Language-Hearing Clinic-Denton / Stroke Center-Dallas

Speech-Language-Hearing Clinic – Denton

The Speech-Language-Hearing Clinic located on TWU's Denton Campus provides assessment and therapeutic services to the University and Denton communities for a minimal fee. Master's level graduate students under the direct supervision of licensed, certified speech-language pathologists, audiologists, AV therapists, and deaf educators provide assessments and individual intervention for language, literacy, speech sound disorders, voice, stuttering, hearing loss, and feeding for children and adults. During the summer, camps are offered for children with sensory-based feeding disorders, language and literacy difficulty, and speech sound disorders including Childhood Apraxia of Speech.

For applications or further information about the Clinic, contact:

TWU Speech-Language-Hearing Clinic (http://www.twu.edu/communication-sciences/clinics.asp)
P.O. Box 425737
Denton, TX 76204-5737
940-898-2285
email: coms@twu.edu

The clinic is located in MCL 601 on the Denton campus.

The Stroke Center – Dallas

The Stroke Center – Dallas was established in 1992 to provide treatment and training in neurological rehabilitation specifically for stroke and right hemisphere injuries. A core of health professionals and graduate students provide outpatient services for a minimal fee. Located in the T. Boone Pickens Institute of Health Sciences on the TWU Parkland campus, the Center operates five 6-week sessions each year. Assessment and intervention services include speech/language therapy, physical therapy, occupational therapy, and psychosocial counseling. A major focus of The Stroke Center is clinical research. Individuals may be referred by physician, family, or self.

For applications or further information about The Stroke Center programs contact:

The Stroke Center - Dallas (http://www.twu.edu/stroke-center-dallas)
5500 Southwestern Medical Avenue
Dallas, TX 75235
214-689-6592
email: strokecenter@twu.edu

Student Handbook

The Student Handbook (http://www.twu.edu/student-life-office/student-handbook.asp) identifies policies and procedures governing student rights and responsibilities and provides a variety of information and resources. The handbook is distributed at the beginning of the fall semester. Students in Dallas and Houston may also pick up handbooks in the Administration office or from the Student Life Coordinators. Copies are available to students in Denton in Room 206 and Room 209 in the Student Union.

Student Health Services

The Texas Woman's University Student Health Services (http://www.twu.edu/student-health-services) (SHS) is located on the TWU campus in the lower level of Hubbard Hall at 303 Administration Drive, next door to DPS (Department of Public Safety). SHS is dedicated to providing quality healthcare and preventative services to the students of our University. By providing these services, SHS intends to assist each student in maintaining maximum physical health, so that students may realize to the fullest extent possible the educational opportunities afforded by the university.

SHS provides medical services for diagnosis and treatment of illness and injury, as well as prevention services such as immunizations and wellness examinations. Mental health services are also available. Fees are assessed for office visits, lab services, medication, and medical equipment/supplies. All x-rays are referred to an off-campus facility, and students are responsible for all charges. Student Health Services offers an optional pharmacy delivery service through Drug Emporium in Denton. Prescriptions are delivered to the clinic twice daily for pick-up or mailed to students for a small fee. Students wishing to use the pharmacy service to fill prescriptions written by personal physicians must complete required pharmacy forms and prescriptions must be brought or faxed to Student Health Services.

Any enrolled student may call the "Ask a Nurse" telephone service at 940-898-3827 whenever the Denton Clinic is open.

For more information regarding healthcare for TWU students, please visit the Student Health Services website (http://www.twu.edu/student-health-services).

Transportation to Student Health Services

Officers from the Department of Public Safety may, on occasion, escort sick or injured students to Student Health Services. Individuals who are sick or who have minor injuries and can walk with some assistance should be escorted to a vehicle and transported to Student Health Services. An ambulance is not available to transport students to Student Health Services. Students with serious injuries, such as broken bones, severe bleeding, prolonged unconsciousness, or spinal injury, should be transported to a city hospital via city ambulance.

Health Care – Houston

Students may access medical care in Houston through the University of Texas Health Science Center Student/Employee Health Services. Students with the Student Health Insurance Plan have the deductible waived. Immunization clinics are held periodically on the Houston campus. Students may utilize the "Ask a Nurse" telephone service at 888-898-8825, from 8AM until 5PM Monday through Friday, whenever the Denton campus is open. For additional information and location and hours of operation, contact the UT clinic at 713-500-3267 or the Student Life Coordinator at 713-794-2158.

Health Care – Dallas

Conveniently located medical care for students at the TWU T. Boone Pickens Institute of Health Sciences-Dallas includes Concentra Urgent Care, Corporate Health Management, and Parkland Health and Hospital System. Students with the Student Health Insurance Plan have the deductible waived at Concentra and Corporate Health. Students are welcome to visit Student Health Services in Denton. Student Health Promotion programs and immunization clinics are held periodically on the Dallas campus. Students may utilize the "Ask a Nurse" telephone service at 888-898-8825 from 8AM until 5PM Monday through Friday, whenever the Denton campus is open. For additional information on location and hours of operation, contact Concentra at 214-630-2331, Corporate Health at 214-361-0995 or the Student Life Coordinator in Dallas at 214-689-6696.

Health Insurance

An optional health insurance plan is available to TWU students currently enrolled as undergraduates taking at least 6 semester credit hours and graduates taking at least 3 semester credit hours. Major illness or accidents may require special medical attention or hospitalization that is not available at the University. F1 and J1 status international students are required by federal law and university policy to enroll in the university insurance plan as a condition of admission (see below). Some majors with clinical rotations and study abroad may require that students have insurance. The University sponsored insurance program covers service on or off-campus for a semester or for a twelve-month period. Students and their parents or guardians are encouraged to consider this insurance program, and more information can be obtained by contacting Student Health Services (http://www.twu.edu/student-health-services/default.asp).

Health Insurance for International Students

As a condition of enrollment and federal law, Texas Woman's University requires all international students to maintain continuous medical and hospitalization insurance for the entire period of their enrollment at TWU. International students with an F1 or J1 visa status are required to obtain insurance coverage through the University sponsored insurance plan (http://www.twu.edu/international-education/health-insurance.asp). International students will be automatically enrolled in the insurance plan and premiums will be placed on the student's tuition and fees bill each semester.

International students may request an exception from the University sponsored insurance plan only in the following situations, if they are:

- Employed by TWU and covered by employee health insurance
- Covered by group health insurance through another U.S. employer
- Covered by spouse or parent's group insurance plan through a U.S. employer

- A sponsored student covered by insurance through his or her government
- Graduating or leaving the country for the entire summer

If an exception is granted, a charge for repatriation and evacuation may remain on the student's account, if the alternate health insurance does not include these required benefits.

In order to request an exception for Foreign Student Insurance charges, a student must complete the TWU Student Health Insurance Request for Exception/Waiver process by the specified deadline; please see Request for Exception from Foreign Student Insurance Charges (http://www.twu.edu/student-health-services/international-students.asp) for complete instructions. All **Requests for Exception** must be submitted by**:**

- 12th class day for the fall and spring semesters
- 4th class day for the summer semesters (students with alternate insurance)
- 12th class day of the spring semester (students leaving the country for the entire summer)

Late requests will not be accepted. The request process must be repeated each semester, and it is the student's responsibility to submit requests in a timely fashion.

Tuberculosis Screening

All new students who have lived in areas of the world where tuberculosis is prevalent are required to be screened for tuberculosis (TB blood testing only); this includes all new and transfer international students and all new TEC 54.052 students. TB screening may be performed at TWU Student Health Services on the Denton campus, one of its subcontracting clinics sites in Dallas or Houston, or any other licensed medical facility in the United States. Screening for tuberculosis shall be initiated prior to registration for classes at TWU. Students with positive TB test results or history of taking TB prophylaxis or treatment are required to be evaluated by a medical provider and submit a Statement of Tuberculosis Clearance Form (http://www.twu.edu/student-health-services/forms.asp) . For additional information regarding this policy, please contact Student Health Services (http://www.twu.edu/student-health-services/default.asp). International students may consult with the Office of International Education (http://www.twu.edu/international-education).

Meningitis Vaccine

Effective January 1, 2012, Texas law requires that all new entering and transfer college students age 21 and younger must receive a vaccination or booster against bacterial meningitis. An entering student also includes a student who has had a break of enrollment of one or more fall or spring semesters. For more information, please visit the Meningitis Vaccination Requirement website (http://www.twu.edu/student-health-services/bacterial-meningitis.asp).

Student Publications

The Lasso

The Lasso, the student newspaper, informs students, faculty, staff, and others of University issues and events as well as off campus topics of importance to the community. Student publications are recognized student activities that provide both a forum for communication and training for future writers, editors, reporters, photographers, and other publication professionals. We encourage you to apply to work with us!

Tutoring Centers

Mathematics and Technology Success Center

The TWU Mathematics and Technology Success Center (MTSC) assists students in reaching their educational goals through individual or group tutoring and computer-based programs. Located in MCL 307, this center provides tutoring to TWU students enrolled in any courses with mathematics or technology components, taking the computer literacy exam, or preparing to pass the TSI mathematics requirement. For more information call 940-898-2169 or visit the MTSC website (http://www.twu.edu/mtsc).

Science Learning Resource Center

The Science Learning Resource Center (http://www.twu.edu/slrc) (SLRC) exists to assist first year and sophomore students taking courses in biology, chemistry and physics by providing tutoring and a wide variety of self-help audio-visual and computer assisted learning programs. The SLRC is also responsible for administering the Science Placement Tests to students who have not yet taken their introductory biology, chemistry, physics, and zoology courses. The Science Learning Resource Center is located in the Science Building (http://www.twu.edu/map_denton_campus.asp) on the Denton campus. For more information about SLRC call 940-898-2568 or visit the SLRC website (http://www.twu.edu/slrc).

The Write Site

The Write Site is the University's writing resource center and serves the entire University community by providing individualized or group face-to-face writing assistance; help at any stage of the writing process (brainstorming, prewriting, drafting, organization, and revision); both synchronous and

asynchronous online tutoring via the OWL and OWLive; and student-led writing workshops. The Write Site provides assistance for both graduate and undergraduate students in any discipline. For more information or to make an appointment, please call 904-898-2341 or visit www.twu.edu/writesite/.

University Housing

Web Site: http://www.twu.edu/housing/

The residence halls at Texas Woman's University provide a wide range of choices in student living styles, including traditional residence hall rooms with private bathrooms, and two and three bedroom apartments. They offer a variety of amenities for residents including living rooms, TV and study lounges, pianos, vending machines, refrigerators in student rooms, computer labs, and free laundry. Connection to the University computer system and the internet is available in student rooms and apartments.

Housing for Graduate Students is provided on a space available bases.

Family Housing

Family Housing at Texas Woman's University provides living options for married students and for single parents and their children. Married couples and single parents with a maximum of three children under the age of 18 may reside in the Lowry Woods Community apartments.

Room and Single Student Apartment Assignments and Contract

Students may elect to contract a residence hall space on an academic year basis. Assignments to residence halls are made on a space-available, first-come, first-served priority based on the date that the application, a $50 nonrefundable application fee, and a $100 room deposit are received at the Department of University Housing (http://www.twu.edu/housing).

Family Housing Apartment Assignments and Contract

Family Housing Apartment contracts run from one semester to twelve months and are renewable. Assignments are made from the apartment waiting list on a date-order basis. The apartment application, along with the $50 non-refundable application fee and $100 deposit, must be received before a student can be considered for an apartment.

Budget Facts

Texas Woman's University keeps student costs at a minimum. You may view rates through the Department of University Housing (http://www.twu.edu/housing).

Veteran & Military Student Center

www.twu.edu/veterans/veterans-center.asp

Brittanie Romine, Assistant Director

Location: *Jones Hall, 106 and 107*
Phone: *940-898-2789*
Email: *bromine@twu.edu*

The Veteran and Military Student Center is a dedicated space for military-affiliated students. The Center offers a quiet place to study equipped with computers, desks, a campus phone, a refrigerator, microwave, and coffee maker. And a lounge space for meeting with fellow veterans and service members.

Graduate School

Web Site: http://www.twu.edu/gradschool/

Dean: *Larry LeFlore, Professor*
Associate Dean: *Ruth A. Johnson, Ph.D.*

Location: *ACT 220*
Phone: *940-898-3415*
Fax: *940-898-3412*

Graduate instruction has been offered by the Texas Woman's University since 1930, when the increased demand for advanced studies resulted in development of a graduate program and establishment of the Graduate School. Since 1952 the Graduate School has operated as a unit under its own Dean and Graduate Council. Under provisions of Title IX of the Education Amendments in 1972, qualified men became eligible for admission to all programs offered at the graduate level on the same basis as qualified women.

The purposes of the Graduate School are to provide instruction and facilities for advanced study and research in the schools and colleges, and to offer the graduate degrees listed below.

College of Arts and Sciences

- Doctor of Philosophy
- Specialist in School Psychology
- Master of Arts
- Master of Business Administration
- Master of Fine Arts
- Master of Health Systems Management
- Master of Science

College of Professional Education

- Doctor of Education
- Doctor of Philosophy
- Master of Arts
- Master of Arts in Teaching
- Master of Education
- Master of Library Science
- Master of Science

Institute of Health Sciences

College of Health Sciences

- Doctor of Education
- Doctor of Philosophy
- Doctor of Physical Therapy
- Doctor of Occupational Therapy
- Master of Arts
- Master of Healthcare Administration
- Master of Occupational Therapy
- Master of Science

College of Nursing

- Doctor of Philosophy
- Doctor of Nursing Practice
- Master of Science

Administration of the Graduate School

The Graduate School of the Texas Woman's University is administered by the Dean of the Graduate School in accordance with policies established by the Graduate Council (http://www.twu.edu/gradschool/graduate-council.asp), as authorized by the Board of Regents (http://www.twu.edu/regents).

Admission to the Graduate School

Approval for admission to the Graduate School is required of all graduate students.

Graduate School admission does not imply admission to candidacy for an advanced degree. Candidacy will be granted only after a period of successful graduate work and after compliance with the conditions and course of study established by the University and its departments, schools, and colleges.

The total enrollment of graduate students is limited. All applications to the Graduate School are subject to whatever provisions may limit the enrollment of graduate students. Admission is granted for not more than one academic year. Students who do not attend the University during the period of their admission must reapply.

Graduate students, whether living on or off campus, are subject to the general rules and regulations of the University and are expected to maintain the high standard of social and academic life of the University as well as the professional standards of their chosen field of study. Thus, graduate students are subject to all rules and regulations set forth in the Student Handbook (http://www.twu.edu/student-life-office/student-handbook.asp), the Graduate Catalog, and the policy statements of the Graduate School and the academic components. All graduate students of Texas Woman's University are expected to know and adhere to high standards of personal conduct and of academic integrity and scholarship. Any falsification, misrepresentation, or misapplication of information or research; any violation of professional or ethical standards; or any violation of the rules and regulations of the University may result in dismissal.

General Requirements for Admission to the Graduate School

The Graduate School establishes the minimum requirements for admission to all graduate degree and certification programs at Texas Woman's University. Applicants should consult with academic components regarding specific program criteria for admission.

All applicants are expected to meet the following criteria:

1. Hold an earned bachelor's degree or equivalent from a U.S. college or university accredited by a regional (general) accrediting agency, or an equivalent degree from a foreign college or university. The bachelor's degree must be substantially equivalent to a bachelor's degree granted by TWU.
2. Have a minimum 3.0 GPA for the last 60 semester credit hours of undergraduate study and a minimum 3.0 GPA for all prior graduate work. Academic components may choose to consider files of applicants with lower GPAs, on a provisional basis, but no lower than a 2.50.
3. Satisfy any additional requirements of an individual academic component for admission to a specific graduate program offered by that component. Consult the appropriate catalog section for component requirements. A summary of component requirements is also available at Graduate Program and Admission Requirements. (http://www.twu.edu/gradschool/admission-requirements.asp)
   Examples include the following:
   - Preferred scores recommended for standardized exams that are required by academic components.
   - Review of completed undergraduate and graduate coursework.
   - Reference letters, essays, interviews, and evidence of scholarly activity such as publication in refereed journals, professional presentations, grant acquisition, portfolios, and professional leadership.
4. Applicants who have earned an undergraduate degree from a foreign college or university **must** submit one of the following to show English proficiency.
   - Test of English as a Foreign Language (TOEFL) (http://www.ets.org/toefl) score of at least 550 (paper-based), 213 (computer-based), or 79 (iBT)
   - Michigan English Language Assessment Battery (MELAB) (http://www.cambridgemichigan.org/melab) score of 80 or higher
   - International English Language Testing System (IELTS) (http://www.ielts.org) score of 6.5 or higher
   - GRE (http://www.ets.org/gre) verbal score of 500 (153, Revised GRE) or higher.

See International Students (p. 57) for further information about English proficiency requirements.

Application for Admission

For admission into degree and certificate programs of the TWU Graduate School, all applicants must submit the following documents:

1. An electronic application, submitted through ApplyTexas.org (http://www.applytexas.org) along with the non-refundable processing fee.
2. An official transcript from each college or university attended is required for all undergraduate and graduate coursework attempted and/or completed.

3. Official scores for any standardized exams that are required by the academic component offering the program of interest. If a standardized exam is not required by the component, the applicant has the option of submitting scores voluntarily. If submitting electronic scores, the TWU institution code is 6826.
4. If you are an international applicant or permanent resident, official TOEFL or IELTS scores are required unless you qualify for an exemption. Refer to the TOEFL Exemption form (http://www.twu.edu/admissions/international/toefl-requirements-and-exemptions) for minimum score requirements and approved exemptions.

See International Students (p. 57) for further information about English proficiency requirements.

Applicants should submit the above information no fewer than ninety days before the session to which admission is sought to the following address:

Office of Admissions Processing (http://www.twu.edu/admissions-processing)
P. O. Box 425649
Denton, TX 76204

Selected programs may have earlier deadlines. Applicants should submit to the individual academic component any additional documents required for admission to a specific graduate program offered by that component. Applications are not considered complete until all required materials are received by the Office of Admissions Processing. Only at that time will applications be sent to the department for consideration.

An applicant's academic record must reflect the ability to pursue advanced study and research. The applicant shall present an official transcript which, for unconditional admission, shows sufficient and satisfactory undergraduate preparation in the major field. Specific prerequisites vary among components of the University and are indicated in the appropriate sections of this catalog. Ordinarily, an undergraduate major (or credit for a minimum of twenty-four semester credit hours, twelve of which are advanced) in the same field is prerequisite to a graduate major; prerequisites for a graduate minor are usually based on the requirements of an undergraduate minor (or credit for eighteen semester credit hours, six of which are advanced) in the same field. However, a college, school, or department may require a candidate to take additional preparatory courses on either the graduate or undergraduate level which will not be counted as degree credit. Such additional preparation may require semester credit hours beyond the minimum needed for the degree.

Departmental graduate admission committees make recommendations to the Dean of the Graduate School regarding the admission status of applicants. Upon approval of the application for admission, the applicant is sent a letter from the Dean of the Graduate School specifying either unconditional or conditional admission. All conditions or prerequisites that must be met in addition to the graduate program requirements are stated in detail. Upon notification of admission, the applicant should confer with the appropriate advisor in the proposed major department in order to become acquainted with specific departmental requirements. Graduate students who do not attend the University for a period of two years at any time after their initial enrollment must reapply for admission.

Residency

Rules and regulations for determining residence status in the State of Texas are specified under Title 3 of the Texas Education Code. Persons classified as nonresident students upon first enrollment in an institution of higher education are generally presumed to be nonresidents for the period during which they continue as students.

To petition a change in residency classification, the student must complete the Core Residency Questions (http://www.twu.edu/registrar/texas-residency.asp) and submit them to the Office of the Registrar (http://www.twu.edu/registrar) with appropriate documentation prior to the beginning of the semester.

International Students

Application deadlines for all international students are May 1 for the fall semester; October 1 for the spring semester; and March 1 for any summer session (F-1 visa holders: summer admittance available only for programs that start in the summer). Applicants are required to submit an English translation of all required admission documents which are not issued in English along with official documents in the original language. The translation must be prepared by the issuing university, an educational government agency or an established translation service. See International Students (http://www.twu.edu/admissions/international) for additional preferred application deadlines and admission information.

In addition to application forms and official admission documents, all international graduate applicants and permanent residents, must submit one of the following to demonstrate English language proficiency:

- an official Test of English as a Foreign Language (http://www.ets.org/toefl) (TOEFL) score of 79 (iBT), 550 (paper-based), 213 (computer-based), or above;
- an International English Language Testing System (http://www.ielts.org) (IELTS) score of 6.5 or higher;
- a Michigan English Language Assessment Battery (http://www.cambridgemichigan.org/melab) (MELAB) score of 80 or higher;
- a verbal score of 153 (500, former GRE) or above on the Graduate Record Examination (http://www.ets.org/gre) (GRE);
- or a GMAT equivalent to 50th percentile.

The following exceptions also apply to the English language proficiency requirement for admission to the university:

- Applicants who are citizens of Anguilla, Antigua, Australia, The Bahamas, Barbados, Belize, Bermuda British Virgin Islands, Canada (except Quebec), Cayman Islands, Dominica, Grenada, Guyana, British Guyana, Ireland, Jamaica, Liberia, Montserrat, New Zealand, St. Kitts, and Nevis, St. Lucia, Sierra Leone, South Africa, St. Vincent, Trinidad and Tobago, Turks and Caicos Islands, and United Kingdom (England, Northern Ireland, Scotland, Wales).
- Applicants who have earned a baccalaureate or graduate degree from an accredited U.S. college or university.

Certain academic programs may require an additional English language proficiency test of all applicants.

For more information on TWU's English language proficiency requirement, see TOEFL Requirements (http://www.twu.edu/admissions/international/toefl-requirements-and-exemptions). For more information concerning the Test of English as a Foreign Language, visit the ETS TOEFL website (http://www.ets.org/toefl).

Applicants who are not U.S. citizens or U.S. permanent residents will be issued the appropriate immigration form required to obtain a visa after all required admission documents have been received and evaluated in the Office of Admissions Processing (http://www.twu.edu/admissions-processing) and after an acceptance letter has been issued by the Graduate School.

Before the I-20 will be issued, applicants seeking an F-1 visa must submit financial statements certifying responsibility for all expenses while attending the University. Applicants must also comply with the U.S. Citizenship and Immigration Services (USCIS) regulations by maintaining full-time student status during the school year (nine or more graduate semester credit hours each semester). Contact the Office of International Education (http://www.twu.edu/international-education/getting-accepted.asp) for additional information regarding the issuance of an I-20.

To determine status for tuition purposes, immigrants and permanent residents must submit proof of status by completing the Residency Questionnaire (http://www.twu.edu/registrar/texas-residency.asp).

All international students are required to have medical and hospital insurance. (See Student Health Services (p. 52).)

Types of Admission

A student may be admitted to the Graduate School for one of several types of study as indicated below. The acceptance letter sent by the Dean of the Graduate School will specify the type of admission granted. International students may be admitted only as degree-seeking. (An international student may be admitted as non-degree to the University, only if completing from her/his own country, and not in the United States.)

1. *Degree study:* This status identifies students seeking either a master's or doctoral degree. Students should apply for admission at the appropriate level. Admission to master's study is valid only for the master's degree; a separate application for doctoral study is required. Students are admitted to degree study in a particular academic discipline, and any change of field of study requires a new application for admission.
2. *Certification study:* This status identifies students holding the bachelor's degree who seek certification rather than a graduate degree. A maximum of 12 graduate semester credit hours earned for certification will subsequently apply toward a graduate degree only if the Dean of the Graduate School, upon recommendation of the student's advisory committee, determines it is appropriate to the degree program.
   Post Master's Certificates are also available in some master's programs for students seeking specialization or advancement in the degree area. (See degree programs.)
   Postdoctoral study: This status identifies students holding doctoral degrees who do not wish to pursue another graduate degree but who wish for personal or professional purposes to take additional course work.

NOTE: Postbaccalaureate status qualifies students to take undergraduate-level courses only, and under no circumstances will postbaccalaureate work be counted as graduate work.

Nature of Admission

Each application which meets the minimum requirements of the Graduate School will be evaluated by members of the appropriate department and by the Dean of the Graduate School; it will be accepted or rejected on the basis of the following criteria.

1. *Unconditional Admission:* No prerequisites are necessary, and no special qualifications must be met during or prior to graduate study.
2. *Provisional Admission:* Graduate degree study is permitted with the imposition of certain conditions which must be met for the student's continuation in the degree program. These conditions may require the completion of prerequisites, satisfactory performance in initial course work, satisfactory completion of a degree in progress, or the completion of other conditions which indicate the student should continue graduate study. A student admitted with less than a 'B' average is given Provisional Admission, conditioned upon maintenance of a 'B' average during the first twelve semester credit hours of graduate study or upon other requirements specified. Once the conditions for full admission have been met, the student should petition the Graduate School through the department for advancement to Unconditional Admission. Failure to meet conditions of admission results in the student's removal from a degree program.
3. *Denial of Admission:* Admission is denied if the applicant fails to meet the minimum requirements established by the Graduate Council, the program has reached the limits of its enrollment, or the applicant does not meet departmental requirements.

Meningitis Policy

Effective January 1, 2012, Texas law requires that all new, entering, and transfer college students age 21 and younger must receive a vaccination or booster against bacterial meningitis. An entering student also includes a student who has had a break of enrollment of one or more fall or spring semesters. For more information, please visit the Meningitis Vaccination Requirement website (http://www.twu.edu/student-health-services/bacterial-meningitis.asp).

Election of Graduate Work by Seniors of This University

A TWU student who at the beginning of the second semester of the senior year lacks not more than twelve semester credit hours for a bachelor's degree is permitted to register for courses which may be applied toward meeting the master's degree requirements provided that the total registration does not exceed sixteen semester credit hours and proper application has been made to the major department and the Graduate School before registering for such courses.

No work which is completed by an undergraduate student shall apply to a graduate degree, except for the work completed by seniors as provided for in this section. No work which is regularly a part of an undergraduate program shall apply toward a graduate degree except for Texas Woman's University seniors who have made special application at the time of registration for graduate credit for specific courses to be applied toward a graduate program approved by their major department and by the Dean of the Graduate School.

Election of Graduate Work by Students Who Are Not Seeking Degrees

Students who do not plan to work toward a graduate degree but who wish to enroll in occasional courses for such purposes as personal enrichment, professional development, and meeting special interests may, with the permission of the department, register as "non-degree students.'' *(An international student may be admitted to the University for non-degree courses but is only authorized to take them from her or his own country, and not in the United States.)* Admission to the Graduate School is not required; however, a completed application form, $50 processing fee, and an official transcript showing the bachelor's degree or highest degree held must be filed with the Office of Admissions Processing. International students must submit a $75 processing fee and a satisfactory English proficiency scores (see International Students (p. 57)).

A maximum of 12 graduate semester credit hours earned by a "non-degree student'' may subsequently apply toward a graduate degree only if the Dean of the Graduate School, upon recommendation of the student's advisory committee, determines it is appropriate to the degree program.

All students who enroll in graduate courses, whether or not they are seeking degrees, are required to maintain a 3.0 GPA on all graduate-level courses taken at TWU. Students who fail to maintain this average will not be permitted to continue registering for graduate courses.

Health Requirements: Students in Health-related Majors

Students admitted to education and health-related programs that involve contact with patients are required to be immunized against chicken pox, hepatitis B, influenza, measles, mumps, rubella, pertussis, tetanus/diphtheria, and have annual TB screening; some departments have additional immunization and testing requirements. Proof of immunization is required at the time a student begins clinical coursework.

Some clinical facilities and school systems with which the University affiliates require that students be tested for drugs and have criminal background checks done. When this is required, students will have the screening done at their own expense. Departmental policy governs the procedures to be followed. Failure to meet the screening standards may result in the student being required to withdraw from the program.

Clinical facilities may require that students have health insurance. When this is required, students must show proof of health insurance.

Texas Woman's University does not require HIV testing of its students; however, some agencies with which the University affiliates for clinical training may require such testing. Texas law requires that if a health care worker who is HIV positive performs exposure-prone procedures, the health care worker must notify a prospective patient of the health care worker's seropositive status and receive the patient's consent to perform the procedure.

Graduate Study by Faculty and Staff of Texas Woman's University

Texas Woman's University encourages the continual growth and development of faculty and staff. Full-time permanent staff employees may be granted time off from work to attend a TWU class during regular working hours provided that:

- The time off does not exceed three (3) credit hours per week.
- The employee's absence does not adversely affect the operation of the employing department.
- The time off to attend classes is made up during the employee's work week.
- The TWU class is offered at the campus where the employee is working.

Approval to attend class during regular work hours must be done in advance and in writing by the appropriate supervisor.

Employees cannot take courses at other universities during regular work hours.

However, no member of the faculty may be admitted to the Graduate School of the Texas Woman's University for the purpose of pursuing a degree in the department or discipline in which he or she teaches.

Student Orientation

The Center for Student Development (http://www.twu.edu/student-development) offers an annual orientation for new graduate students. For more information, contact the Center for Student Development at 940-898-3626, the Graduate Orientation website (http://www.twu.edu/graduate-orientation), or email orientation@twu.edu.

Academic Information

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Student Responsibility

The act of registering denotes an implicit declaration of the student's acceptance of University regulations as outlined in the most recent issues of the catalog and student handbook. Failure to abide by university regulations will subject the student to appropriate disciplinary action as outlined in the Student Handbook. (http://www.twu.edu/student-life-office/student-handbook.asp)

The University also expects the student to obey the law, to show respect for properly constituted authority, to perform contractual obligations, to maintain absolute integrity and a high standard of individual honor in scholastic work, and to maintain conduct appropriate for a community of scholars.

Enrollment Certification

Enrollment verification and loan deferments are completed in the Registrar's Office (http://www.twu.edu/registrar) and are based upon a student's having registered and paid tuition and fees according to the following criteria:

Graduate Level

Fall & Spring

Full-time:	9 hours
Half-time:	6-8 hours

Summer 1 (3-week term)

Full-time:	3 hours
Half-time:	2 hours

Summer 2/3 (5-week term)

Full-time:	6 hours
Half-time:	3-5 hours

Summer (10-week term)

Full-time:	9 hours
Half-time:	6-8 hours

Student teaching, thesis, and dissertation semester credit hours will be certified as full-time. Internships will be certified as full-time if enrolled in 6 or more semester credit hours, and half-time if enrolled in 3-5 semester credit hours.

Auditing Courses

Only an individual fully eligible to enroll in the university may attend a class as an auditor without receiving college credit.

Permission to audit a course must be obtained utilizing the Course Audit Approval Form (http://www.twu.edu/registrar/forms.asp) after the first day of class by getting approval signatures from the instructor of the course, the chair of the department which offers the course, the dean of the school or college, and the Registrar's Office.

- Persons auditing a course will be charged at the same tuition and applicable fee rate as those enrolled for credit, except as indicated below for those over the age of 65.
- The auditor may not participate in the laboratory part of a course or in a studio, practicum, workshop, or activity course.
- Attendance as an auditor may not be made on the basis of a claim for course credit and will not count towards enrollment load or status.
- Courses that are audited are not eligible for financial aid or VA benefits.
- Audited courses are not recorded on the student's permanent record (the course will not appear on the academic transcript).
- Any persons 65 years of age or older are eligible to enroll in up to six semester credit hours of coursework and receive a waiver for tuition to audit classes without charge provided space is available.

Information about auditing may be obtained in the Office of the Registrar (http://www.twu.edu/registrar).

Dropping a Course

A student can drop a course online through WebAdvisor (https://portal.twu.edu/default.asp) until the end of Late Registration for the term. Once Late Registration is over and before the term's census date, a student must either submit a signed Add/Drop form to the Registrar's Office (http://www.twu.edu/registrar) or submit a drop request online utilizing the Online Drop Request (https://workflow.twu.edu/sites/registrar/sitepages/registrationform.aspx). After the census date, the Add/Drop form (http://www.twu.edu/registrar/forms.asp) must include the instructor signature prior to being submitted to the Registrar. The online request will automatically be routed to the instructor for approval before it will be processed.

Course drops processed during the first six weeks of a long term will receive an automatic W grade, which is a non-punitive grade. After the first six weeks, the instructor will recommend either a grade of W or a grade of WF on the drop form. Failure to submit a completed and signed drop form by the published deadline will cause the student to receive an F.

Refer to the academic calendar (http://www.twu.edu/registrar/academic-calendars.asp) for drop deadlines.

Students wishing to drop all classes and withdraw from the University must initiate a formal withdrawal through the Student Life Office (http://www.twu.edu/student-life-office/withdrawal-information.asp).

There is an Add/Drop fee assessed for each drop processed after the term starts, excluding withdrawals.

Withdrawal from the University

If a student finds it necessary to withdraw from all credit classes, then the student must formally withdraw from the University through the Office of Student Life on the Denton campus or the Assistant Director for Student Life on the Dallas or Houston campus. The effective date of withdrawal is the day upon which the student submits the completed 'Request for Withdrawal Form,' and it has been approved in the appropriate office. Please see the academic calendar (http://apps.twu.edu/registrar/calendar/) for specific dates. Please visit the Bursars website (http://www.twu.edu/bursar/) for specific refund dates. For forms and additional information about withdrawing from the University, please go to: http://www.twu.edu/student-life-office/withdrawal-information.asp.

A student who withdraws on or up to the 12th class day or the 4th day of summer school will have no record of coursework on her or his transcript. A student who withdraws after the 12th class day or 4th day of summer school and before the last day to drop without penalty will receive a grade of W. After the last date to withdraw without penalty the grade of W or WF is assigned by the instructor.

Medical Withdrawals

A student whose medical or psychological health condition precludes class attendance may be withdrawn from TWU effective the date and under the conditions specified at the time of the withdrawal. A student who requests medical withdrawal must submit adequate written documentation from their treating physician along with an official TWU Withdrawal Form to the Vice President for Student Life or her or his designee. Please note that a medical withdrawal does not qualify you for a refund nor does it qualify you for an automatic grade of W. The instructor will assign a W or WF based on your standing in the class at the time of withdrawal.

Retroactive Withdrawals

A student unable to complete the course work of a semester may receive permission to withdraw after the deadline if the student has "urgent, substantiated, nonacademic medical reasons" as University protocols require. Please note that a student is expected to withdraw during the semester

in which they are enrolled. When the semester is over, the record on that semester is closed. Since students have the option to withdraw during the semester, requests to withdraw after the semester is over will be considered only if the student was somehow unable to withdraw. For example, students who were hospitalized, called away at the end of the semester because of a family crisis, asked to perform military service, or were seriously debilitated by mental illness and were unable to withdraw during the semester in which they were enrolled. If there is sufficient and compelling documentation and if the request for retroactive withdrawal is submitted to the Office of Student Life during the next semester or term, the Vice President for Student Life or her or his designee will review the request and consider approval of a retroactive withdrawal.

Students Called to Active Duty

Texas Education Code 54.006(f) indicates, "Beginning with the summer semester of 1990, if a student withdraws from an institution of higher education because the student is called to active military service, the institution, at the student's option, shall: (1) refund the tuition and fees paid by the student for the semester in which the student withdraws; (2) grant a student, who is eligible under the institution's guidelines, an incomplete grade in all courses by designating 'withdrawn-military' on the student's transcript; or (3) as determined by the instructor, assign an appropriate final grade or credit to a student who has satisfactorily completed a substantial amount of coursework and who has demonstrated sufficient mastery of the course material."

If you are called to active duty, then you have the following three options:

1. Withdrawal with a full refund of eligible tuition and fees;
2. Incomplete grades with a deadline for completion of one year after the end of the active duty assignment;
3. Or a final grade if the material was sufficiently mastered, as determined by the instructor.

You should meet with your instructor(s) to decide if an Incomplete or final grade is warranted. Eligible students under this provision must produce a copy of his or her military orders.

Refunds upon Withdrawal from the University

The following schedule has been adopted for refunds of tuition and fees upon withdrawal from the University during the long fall, spring or summer semesters:

- Prior to the first day of class……100%* (see University Calendar (http://www.twu.edu/registrar/academic-calendars.asp))
- During the first five class days of the semester……80%
- During the second five class days of the semester.....70%
- During the third five class days of the semester.....50%
- During the fourth five class days of the semester..... 25%
- After the fourth five class days of the semester.....None

*100% except for non-refundable fee

No part of tuition or fees is returned after the fourth week of the long fall, spring or summer semesters.

The following schedule has been adopted for refunds for tuition and fees upon withdrawal from the University during any short summer or mini term:

- Prior to the first class day of each short term.....100%
- During the first class day of each short or mini term.....80%
- During the second class day of each short or mini term.....50%
- Third class day of each short or mini term and thereafter.....None

Grades and Gradepoints

The number of gradepoints given for each grade earned by a student is determined as follows:

Grade A:	4 times as many gradepoints as semester credit hours
Grade B:	3 times as many gradepoints as semester credit hours
Grade C:	2 times as many gradepoints as semester credit hours
Grade D:	1 time as many gradepoints as semester credit hours
Grade F:	No gradepoints. Semester credit hours are counted; thus the grade is punitive.
Grade W:	No gradepoints.
Grade WF:	No gradepoints. Semester credits hours are counted; thus the grade is punitive.
Grade I:	No gradepoints.

Grade CR:	Credit for semester credit hours earned, but no gradepoints.
Grade PR:	No semester credit hours or gradepoints.
Grade X:	No gradepoints, non-punitive.
Grade NG:	No gradepoints, non-punitive.

Grades are interpreted as: A, Excellent; B, Good; C, Average; D, Inferior; F, Failure; CR, Credit; PR, In progress (normally used for dissertation, thesis, professional paper, practicums, or internships); I, Incomplete; W, Withdrew from the course without penalty; WF, Withdrew from the course while failing; X, No credit due to tuition deficiency; and NG, No grade awarded. The letters “REP” following the grade indicate repeated course work. The last grade is counted for repeated coursework.

Master’s students should consult the section of the catalog related to their specific degree to determine whether grades of C may be included in a degree plan. In no case may a grade below C be included on a master’s degree plan. Doctoral students may include no grade below B on a degree plan.

Incomplete Grades

An Incomplete (I) grade is appropriate only when a student has passing grades in 2/3 of assigned work, but, because of extenuating circumstances, cannot complete all of the course work by the end of the semester/term. Extenuating circumstances include:

1. Incapacitating illness which prevents a student from attending classes;
2. A death in the immediate family;
3. Change in work schedule as required by an employer; or
4. Other emergencies deemed appropriate by the instructor.

A grade of Incomplete should not be requested nor given for lack of completion of work because of procrastination or dissatisfaction with the grade earned.

Under the conditions above, the student may petition the instructor for time beyond the end of the semester/term to finish the course work. The instructor, the student, and the department chair (or equivalent) of the academic department in which the course is offered must complete and sign the form “Application for Grade of Incomplete (http://www.twu.edu/downloads/registrar/incomplete.pdf)” which is available in the Office of the Registrar. If clinical or laboratory work remains to be completed, the department or program must certify that the student can successfully complete such work by the assigned completion date.

Specific arrangements to remove the grade of Incomplete must be made between the instructor and the student. The instructor will also specify that, if the work is not completed by the assigned time, a grade of B, C, D, or F will replace the Incomplete on the student’s transcript. If the student completes the required work by the assigned completion date, the instructor will submit the new grade to the Office of the Registrar.

In most instances, the work to be completed should be finished within the first several weeks following the end of the semester/term in which the Incomplete was given. The maximum time allowed to finish the course work is one calendar year. If no grade change is submitted by the designated completion date (or one calendar year) the default grade listed on the "Application for Grade Incomplete (http://www.twu.edu/downloads/registrar/incomplete.pdf)" form will be applied to the course and will be reflected in the student's academic standing at that time.

Incomplete work cannot be finished by attending or retaking the class. If such an option is preferred, the student should accept the grade earned and re-enroll in the course in the expectation of earning a better grade. The grade used to compute the student's GPA is best earned grade.

Any exceptions to these regulations which describe the use of the grade of Incomplete require the approval of the instructor, the department chair (or equivalent), and the dean or director of the academic unit in which the course was offered.

Review of Complaints and Appeals, Including Grade Appeals

Texas Woman’s University is committed to the fair treatment of all students who have academic/administrative complaints and appeals. The University has traditionally guaranteed students every opportunity for a fair, prompt, and thorough review of complaints and appeals.

The specific review procedures for each type of complaint or appeal (http://www.twu.edu/academic-affairs/academic-complaints-appeals.asp) are outlined on the Academic Affairs website (http://www.twu.edu/academic-affairs) where the form for complaints and appeals is also found.

A *complaint* is a dispute concerning some aspect of the student’s academic status arising from an administrative or faculty decision that the student regards as incorrect or unjust.

An *appeal* is a request to a person or authority for a decision to resolve a complaint.

Complaints or appeals at each level must be made in writing no later than ten class days after the date of the decision at the previous level unless otherwise stipulated in state or federal law. The ten days for appeals at each level do not include weekends, holidays, or days between academic sessions. The faculty member or administrator receiving the complaint or appeal will respond (acknowledging receipt of complaint or appeal) within

ten class days not including weekends, holidays, or days between academic sessions. The review and decision may require a longer period of time. Administrators may appoint an *ad hoc* committee to hear the appeal of the student and submit a report to the administrator.

Grade appeals utilize the same process and forms as other complaints and appeals. Appeals must begin with the faculty no later than 10 class days after the grade is awarded. If the student wishes to appeal further, the appeal procedures (http://www.twu.edu/academic-affairs/academic-complaints-appeals.asp) will guide the process. All grade changes must be made through the Office of the Registrar within one year of the original grade assignment.

It is the intention of the University to provide students who have complaints and appeals with adequate internal review and to begin resolving them promptly at the level at which the complaint or appeal originated. Students should follow university procedures and deadlines to advance a complaint or appeal as needed. The University expects students to initiate complaint or appeal procedures with the appropriate individual or office and follow university procedures to completion before seeking external consideration. Procedures designate the office which makes the final decision on each type of academic complaint or appeal.

Course Repetition

When a course is retaken as a result of a low or failing grade, the grade used to compute the student's GPA is the best grade. This does not apply to courses that can be taken multiple times for additional credit.

Students Called to Active Duty

Texas Education Code 54.006(f) indicates, "Beginning with the summer semester of 1990, if a student withdraws from an institution of higher education because the student is called to active military service, the institution, at the student's option, shall: (1) refund the tuition and fees paid by the student for the semester in which the student withdraws; (2) grant a student, who is eligible under the institution's guidelines, an incomplete grade in all courses; or (3) as determined by the instructor, assign an appropriate final grade or credit to a student who has satisfactorily completed a substantial amount of course work and who has demonstrated sufficient mastery of the course material."

A student called to active duty has the following three options:

1. withdrawal with a full refund of eligible tuition and fees;
2. incomplete grades with a deadline for completion of one year after the end of the active duty assignment; and/or
3. a final grade if the material was sufficiently mastered, as determined by the instructor.

Students should meet with their instructor to decide if an Incomplete or final grade is warranted.

Eligible students under this provision must produce a copy of his or her military orders.

Additional policy information can be found by contacting Student Life (http://www.twu.edu/student-life).

Information for Graduating Students

The calendar of Graduation Deadlines (http://www.twu.edu/gradschool/degree-completion.asp) for graduating students is issued by the Graduate School each semester. It is available on the Graduate School website (http://www.twu.edu/gradschool).

A graduation checklist (http://www.twu.edu/gradschool/degree-completion.asp) that identifies all requirements and forms that must be completed for graduation is available on the Graduate School website.

Students must be enrolled in the term in which they are graduating. A student who is graduating must apply online for graduation no later than:

- the 12th class day of Fall semester for December graduation
- the 12th class day of Spring semester for May graduation
- the 12th class day of Summer semester for August graduation. (Note: August doctoral graduates may participate in December commencement only. August master’s graduates may choose to participate in May or December commencement. If participating in the May commencement, students must apply by the May graduation deadline. The term ‘graduation’ refers to degree completion and conferral; the ceremony is called ‘commencement’. Although students completing master’s degrees in August may elect to participate in May commencement, they do not graduate until August.)

A student cannot apply for graduation while on academic probation. A student must clear her or his probationary status during her or his next semester of enrollment, during which she or he can apply for early deadline (http://www.twu.edu/gradschool/forms) or apply for the following semester's graduation date.

Late applications for graduation are not accepted. Applications must be received by the deadline in order to start the audit approval processes. Students that do not meet the deadline may consider early deadline (http://www.twu.edu/gradschool/forms) to save on enrollment costs for the next semester.

A student cannot graduate with a grade of Incomplete on her or his transcript. This applies even if the 'I' grade is in a course unrelated to the student's degree plan.

If a student who has applied to graduate determines he or she is not able to meet the submission deadline, which is the last day to file documents required for graduation with the Graduate School, then he or she may request to 'rollover' his or her application for graduation to a future semester by submitting the Rollover Form (http://www.twu.edu/gradschool/forms), available on the Graduate School website. This request must be completed by the 'rollover' deadline which is two weeks prior to the submission deadline. By meeting the 'rollover' deadline, the student does not have to reapply for graduation or pay another application fee. After the 'rollover' deadline, any student who is unable to meet the submission deadline must reapply online for graduation and pay another application fee. A student may request to 'rollover' her or his application twice. After two 'rollovers' have been granted, any failure to meet the submission deadline will result in the student being removed from the graduation list and will require the student to reapply for graduation and pay another application fee.

The State of Texas requirement that a student be enrolled in the term in which she or he is graduating may be waived only if all the following criteria are met on or before the Friday prior to the start date of the next term:

- All degree requirements must be met;
- An Early Deadline form (http://www.twu.edu/gradschool/forms) must be submitted to the Graduate School;
- All forms and documents, including thesis or dissertation if applicable, must be submitted to and approved by the Graduate School;
- An application for graduation must be submitted for the graduating semester, which is the next term, and the application fee must be paid.

The student will have their degree conferred at the end of that semester. Students can request, in writing, a letter of completion from the Graduate School stating that all degree requirements have been met along with the official date the degree will be conferred. In addition, the request for a letter of completion must include:

1. the student's name and ID number;
2. the names and addresses where the letter is to be sent; and
3. a request that a copy be sent to the student via email or hard copy.

Commencement Ceremonies

Denton commencement ceremonies are held in Pioneer Hall, located on TWU's main campus at 304 Administration Drive, Denton, TX 76204. Pioneer Hall is on Bell Avenue, just north of Administration drive.

Houston's commencement ceremonies are negotiated each semester. Notification to graduating students is published prior to the event.

Diplomas

When students apply for graduation, they are placed on an order list to receive a diploma. The diplomas are ordered after the rollover deadline each term (Fall, Spring, Summer). Failing to rollover will require a new application and application fee for graduation as the diploma will have the wrong graduation information.

Diplomas are ordered from an outside source and are typically received in the Graduate School about two to three weeks following commencement. Diplomas are sent to students after the degree audit has been satisfied and confirmation that all financial obligations to the university have been met (including library and parking fines). Diplomas are generally mailed four to five weeks after degrees have been posted to the student's transcript.

Transcript Requests

In accordance with the TWU FERPA policy (http://www.twu.edu/Policy/default.asp) (Family Educational Rights Privacy Act), transcripts can only be released to the student or to a third party upon signed, written authorization of the student, except in certain situations prescribed by Federal law. All financial and administrative obligations to the University must be met before an official TWU transcript (http://www.twu.edu/registrar/transcript-request.asp) will be released. Official transcripts (http://www.twu.edu/registrar/transcript-request.asp) will show all TWU work and only a summary of transfer credit by institution. Unofficial transcripts will show an itemized listing of TWU and transfer courses. Transcripts reflecting the official academic record from other institutions must be ordered from the original institution.

There is no charge for an unofficial transcript. There is a $10.00 charge for each copy of an official transcript. Official transcripts (http://www.twu.edu/registrar/transcript-request.asp) ordered through the online ordering system will incur an additional transaction/convenience fee. Other services such as electronic and express delivery will be charged additional fees based on the service requested. Transcript orders may take up to 5 business days to complete, although most will be processed within 48 hours of receiving the completed request. Peak times and account holds may delay processing beyond the 5 business days.

Students wishing to have a transcript order not processed until after the posting of grades or a degree should indicate this at the time the order is placed.

Changing Name and Other Personal Information

To change or correct personally identifiable information in academic records, students should submit the Student Information Changes (http://www.twu.edu/downloads/registrar/infochange.pdf) form available in the Registrar's Office (http://www.twu.edu/registrar/default.asp) on any TWU campus. All changes will require at a minimum the student signature, TWU student ID number, and a copy of at least one or more government-issued photo ID's. Name and Social Security Number changes will also require a copy of the new Social Security card or official court orders indicating name changes.

Requests should be sent to the following address:

Office of the Registrar
P.O. Box 425559
Denton, Texas 76204-5559
Fax: 940-898-3205

General Requirements and Regulations for Master's Degrees

Texas Woman's University confers three types of master's degrees: the Master of Arts, the Master of Science, and various professional master's degrees, such as the Master of Education and the Master of Occupational Therapy. TWU also offers the Specialist in School Psychology degree, which is considered as a master's level degree for the purposes of Graduate School requirements. The minimum requirements for these degrees follows.

Residence

While no specific residence requirement exists for the master's degree, the student should plan to pursue as much full-time resident study as is possible in the degree program.

Time Limits

No absolute time period exists within which a master's degree must be completed, but semester credit hours older than six years cannot apply toward any master's degree. Under extraordinary circumstances, semester credit hours older than six years may be reinstated with the permission of the Dean of the Graduate School, upon request and recommendation of a student's advisory committee, chair of the department, and dean of the college.

Limits on Course Load

The nature of graduate study is such that the graduate student load should be lower than a normal undergraduate load. A graduate student is considered full-time if enrolled in nine or more semester credit hours. Enrollment in fewer than nine semester credit hours is considered part-time enrollment. Graduate students are encouraged to consider twelve semester credit hours a maximum load and, if employed, to enroll for proportionately fewer semester credit hours.

Grade Requirements

Grades in courses offered for the master's degree must average B or above in both the major and minor fields. (Some departments of the University accept no grade lower than B for degree work; please see the appropriate departmental sections in this catalog.) In no case may a course with a grade below C apply to the degree.

Graduate students are expected to maintain a B average on all graduate work. Consistent failure to do so results in dismissal from the Graduate School. When a student's cumulative grade point average on graduate-level work falls below B or when a student receives a grade of D, F, or WF during any one semester or full summer session (including summer one, two or three) of twelve weeks, the student is automatically on academic probation and notified of this status. Earning a grade of D, F, or WF or failure to restore the cumulative average to B or above during the next enrollment results in dismissal from the Graduate School. It is not possible to improve the grade record at Texas Woman's University by attendance at another university. Students who have been suspended may reapply to the TWU Graduate School when 6 years have elapsed after the suspension.

Notification of probation status will be sent to the student's TWU email address. Notification of dismissal/suspension will be mailed by certified mail to the student's address on file with the university at that time. All official communications (http://www.twu.edu/registrar) will be sent to students' TWU email accounts.

Students enrolled for credit or non-credit classes are assigned a TWU email address for receiving announcements, correspondence, and other important messages (including payment deadlines and financial aid information). Messages delivered to the TWU email address will be considered officially delivered (http://www.twu.edu/registrar).

Major and Minor Subject

At least one-half of the semester credit hours offered for the degree shall be in a single field of concentration. It is incumbent upon the student to elect courses with at least three instructors, two of whom represent the field of the graduate major. In addition, the student may select a minor closely allied to the major, to the thesis subject, or to the interests of the student. When a minor is listed as suitable by the major department, no special permission is necessary, but at least one-half of the minor must be completed in residence at TWU and in a field offering a graduate degree program. If a minor is selected, a faculty member from the minor program shall serve on the student's committee. The minor program, if not on the submitted degree plan, must be added to the degree plan by notification to the Graduate School. A minor selection may only be from the list of majors offered by the university and supported by the major program.

Administration of Program

Each student must meet the special requirements of the major department. Each student must comply with all policies and legislation concerning curricula or work leading to graduate degrees as formulated by the Graduate Council and administered by the Dean of the Graduate School as authorized by the Board of Regents and the Chancellor and President of the University.

When a master's student is accepted into a program, the dean, director, or department chair will appoint an academic advisor who is responsible for the student's program until an advisory committee is appointed. The name of the student's advisor will be included in the official letter of acceptance sent to

the student by the Graduate School. The student will develop a degree plan with the advisor upon completion of twelve semester credit hours, subject to final approval by the advisory committee, department chair, academic dean (as required), and Dean of the Graduate School.

Degree Plan

The graduate student and the advisor share the responsibility to file with the Graduate School, on the form provided for that purpose, the complete plan of graduate study (http://www.twu.edu/gradschool/forms.asp) leading to the degree. (When the student presents a minor, a faculty member from the minor department must approve the proposed program through signature on the degree plan.) The student should file, with the Graduate School, the approved and signed degree plan upon completion of twelve semester credit hours.

Thesis or Professional Paper Committee

In consultation with a faculty advisor, it is the graduate student's responsibility to recommend the membership of the Research Committee. The Research Committee consists of not fewer than two voting members of the graduate faculty (http://www.twu.edu/gradschool/graduate-faculty.asp) from the student's degree program. If the student has a minor, an additional member of the committee should be a faculty member from the minor area. This committee shall have authority with respect to the student's thesis or professional paper; and the committee chair administers this authority. This committee also serves as the candidate's committee to examine the student's thesis or professional paper. The chair of a thesis committee must possess Full Graduate Faculty Status (http://www.twu.edu/gradschool/graduate-faculty.asp). Other voting committee members must have at least Associate Graduate Faculty Status. Exceptions to committee membership may be made at the discretion of the Dean of the Graduate School.

Admission to Candidacy

A student is admitted to candidacy for the master's degree:

1. When the degree plan has been approved in the Graduate School;
2. all admission or other conditions, including unconditional admission status, have been met; and
3. at least twelve semester credit hours of course work have been successfully completed.

Program Requirements

All master's degree programs require either the writing of a thesis or professional paper or the fulfillment of a special project or other requirements.

Each master's program which includes the writing of a thesis requires the completion of a minimum of twenty-four semester credit hours of approved courses plus a maximum of six semester credit hours for the thesis.

Each master's program which includes the writing of a professional paper or the fulfillment of a special project requires a minimum of thirty-six semester credit hours of approved courses, of which a maximum of six semester credit hours may be included for professional paper or special project.

All courses in the program must be graduate-level (numbered 5000 or higher), and in no case may undergraduate credit be accepted toward a master's degree.

A maximum of 12 graduate semester credit hours earned by a "non-degree student'' may subsequently apply toward a graduate degree only if the Dean of the Graduate School, upon recommendation of the student's advisory committee, determines it is appropriate to the degree program.

Graduate students are not permitted to apply toward the master's degree more than twelve semester credit hours earned in workshops, in seminars, or in any combination of these. Such courses must form part of the logical, related sequence of work leading to the degree.

Thesis and Professional Paper

A thesis, required in many master's degree programs, is the culmination of the student's independent scholarship or creative achievement in some branch of learning or the arts. The professional paper or project may be prepared in conjunction with a research class or seminar or with certain off-campus activities approved by the committee and terminating in a written presentation which demonstrates the student's ability to prepare a bibliography, gather data, use original source material, draw conclusions, and present the material in a form which shows adequate command of the English language.

Prospectus approval is required by the Research Committee and the Dean of the Graduate School is required prior to the student beginning research for a thesis, even when Institutional Review Board (IRB) authorization is not required. However, the prospectus for a professional paper, if prepared, does not need to be filed in the Graduate School. Both require Responsible Conduct in Research (http://www.twu.edu/gradschool/graduate-council/responsible-conduct-of-research) (RCR) certification and IRB or IACUC (http://www.twu.edu/research/about-research-and-sponsored-programs.asp) approval if human subjects or animals are involved.

To secure semester credit hours for work done on the thesis or professional paper the student must register for this work. When "Thesis" or "Professional Paper" appears on the schedule, it is counted as three credit hours in determining both load, tuition, and fees. Although no more than six semester credit hours can be earned for the writing of the thesis, the candidate must re-enroll in the thesis course until the writing is completed.

Only an officially registered student may hold conferences with faculty members concerning the preparation of a thesis or professional paper. This rule applies both when the student is in actual residence and when the student is not in residence but receiving consultation through conferences or correspondence. This rule does not apply to those preliminary conferences held before the thesis subject has been selected. Registration for thesis or professional paper in one term is good for that term only and does not extend to the next term.

Enrolled graduate students may use the computer and research consulting services of the Center for Research Design and Analysis (CRDA) (http://www.twu.edu/research/crda.asp) in the preparation of professional papers, theses, and dissertations. The center also provides assistance with qualitative and quantitative research designs. Students may also access the support services of the Pioneer Center for Student Excellence (http://www.twu.edu/pioneer-center) and the Write Site (http://www.twu.edu/write-site).

The grade of PR is assigned to indicate a professional paper or thesis is in progress. A student writing a thesis for six semester credit hours is given CR (Credit) for the first enrollment (5983), usually the completion of the prospectus and PR (In Progress) for all subsequent enrollments (5993) until the last enrollment. At that time CR is given again. A student writing a professional paper for three semester credit hours is assigned the grade of PR for all enrollments except the last one and then is assigned the grade of CR for the final enrollment.

Submission of the student's thesis must be completed no later than the filing date listed in the Graduate School's Graduation Deadlines (http://www.twu.edu/gradschool/degree-completion.asp). Once the thesis has been reviewed by the Graduate Reader/Editor and Sr. Graduate Analyst and recommended corrections have been completed, a digital submission and upload must be made. A bound copy at the expense of the student, may be required by the student's major department.

All theses are uploaded to ProQuest. Students should consult the Thesis and Dissertation Fee Sheet, posted on the Graduate School website (http://www.twu.edu/gradschool/forms) prior to turning in their thesis. Copyrighting, which remains optional, may be secured during the submission process for an additional fee. Details concerning the abstracts, microfilming, copyrighting, and their fees are available in the Graduate School.

The Graduate School publications "Guide to the Preparation and Processing of Dissertations, Theses, and Professional Papers (http://www.twu.edu/gradschool/forms)" and "Formatting Navigator (http://www.twu.edu/gradschool/forms)" should be consulted for additional information concerning the thesis or professional paper. (See General Requirements and Regulations for Master's Degrees (http://catalog.twu.edu/graduate/graduate-school/general-requirements-regulations-masters-degrees) and Committees (http://catalog.twu.edu/graduate/graduate-school/general-requirements-regulations-masters-degrees/thesis-professional-paper-committee))

Final Examination

A candidate for a master’s degree must take a final examination. The format and scope of the examination is determined by the department or program. The examination must cover, if applicable, the candidate’s thesis, professional paper, or project, and/or major and minor fields of study as well as other pertinent material required by the department or program. The examining committee, approved by the Dean of the Graduate School, consists of a minimum of two members from the student's degree program.

Formal notice of satisfactory completion of the final examination, the Certificate of Final Exam (CFE), (http://www.twu.edu/gradschool/degree-completion.asp) must be filed in the Graduate School by the date specified for each semester in the Graduate School “Graduation Deadlines (http://www.twu.edu/gradschool/current-students/degree-completion).’’

Credit by Transfer

There is no automatic transfer of graduate credit. However, a student’s advisor or committee may recommend and the Dean of the Graduate School may approve specific courses for transfer credit as a part of the student’s master’s degree plan. Programs will use the following scale in determining the maximum possible number of semester credit hours that may be transferred:

- up to 6 semester credit hours in a program of 30-38 semester credit hours.
- up to 9 semester credit hours in a program of 39-44 semester credit hours.
- up to 12 semester credit hours in a program of 45 or more semester credit hours.

Only graduate courses in which the grade of B or better has been earned from a regionally accredited school may be considered for transfer credit. Transferred work is not accepted until the student has demonstrated ability to do satisfactory work at Texas Woman’s University. No credit toward a graduate degree may be obtained by correspondence, nor may credit toward a graduate degree be obtained by extension work from another institution. All transfer credits must have been earned in residence at a university of recognized excellence and approved at TWU by the appropriate dean or chair and by the Dean of the Graduate School. The rule governing the time limit for master’s degree credit applies to transfer credit.

Transfer of Semester Credit Hours from a Completed TWU Master's Degree to a New TWU Master's Degree

There is no automatic transfer of graduate credit from a previous master’s degree earned at Texas Woman’s University to a new master’s degree in progress at Texas Woman’s University. The completion of a number of semester credit hours is not in itself sufficient; the nature and quality of work are the major considerations. The graduate student’s Advisory Committee for the new degree has the prerogative, with approval of the department, to recommend to the Dean of the Graduate School the acceptance of any transferable credits from a previous master’s degree. Any semester credit hours selected for transfer are still governed by the time limit for master’s work; that is, at the time when the new master’s degree is completed, the transferred semester credit hours must not be more than six years old.

Programs will use the following guidelines in determining the maximum possible number of semester credit hours from a previous master’s degree earned at TWU that may be applied to a new master’s degree at TWU:

- up to 12 semester credit hours in a new program of 30-44 semester credit hours.
- up to 18 semester credit hours in a new program of 45-59 semester credit hours.
- up to 24 semester credit hours in a new program of 60 or more semester credit hours.

Only graduate courses in which the grade of B or better has been earned may be considered for such transfer credit.

General Requirements and Regulations for Doctoral Degrees

Admission to the Graduate School of prospective doctoral candidates is the joint responsibility of the Dean of the Graduate School and the head of the program to which the student applies. Students must show sufficient and satisfactory undergraduate preparation in the field or fields in which the doctoral work is to be done. Students must also demonstrate superior ability to do advanced work at the doctoral level.

Candidates for doctoral degrees are subject to all applicable academic and other University regulations which govern candidates for the master's degrees unless otherwise indicated.

Advisory Committee and Degree Program

When a doctoral student is accepted into a program, the program's dean, director, or department chair appoints an academic advisor who is responsible for the student's program until an advisory committee is appointed. The name of the student's advisor will be included in the official letter of acceptance sent to the student by the Graduate School. The student will develop a degree plan with the advisor. The degree plan will be reviewed by a department committee which shall consist of not fewer than three members of the graduate faculty (http://www.twu.edu/gradschool/graduate-faculty.asp), with two being from the major department. This committee shall have authority to review the student's course work and to evaluate it through written and/or oral examinations with respect to the student's program. The student's advisor chairs the advisory committee and administers this authority. When a student presents a minor, a faculty member from the minor department must approve the proposed program through signature on the degree plan. It is the student's responsibility to work with her/his advisor to develop the degree plan, which must be forwarded through the department chair to the Dean of the Graduate School before completion of eighteen semester credit hours at TWU.

Course Requirements

Specific requirements are determined by the student's advisory committee, department chair, and academic dean. In general, however, work leading to the doctorate requires the completion of a minimum of ninety graduate-level semester credit hours beyond the baccalaureate degree. In some cases a student may need to complete more than ninety semester credit hours in order to meet individual requirements determined by the advisory committee. The completion of a number of semester credit hours, however, is not in itself sufficient; the nature and quality of work are the major considerations.

Credit by Transfer

There is no automatic transfer of graduate credit, but the student's advisory committee has the prerogative to recommend to the Dean of the Graduate School the acceptance of transferable semester credit hours.

Only graduate coursework completed at regionally accredited institutions may be considered for transfer. A student may apply for consideration of transfer of semester credit hours after satisfactorily completing a minimum of nine semester credit hours of graduate credit at Texas Woman's University and upon filing the degree program. The rule governing the time limit for doctoral work also applies to transferable credits.

Only graduate courses in which a grade of B or better has been earned are acceptable for transfer. No credit toward a graduate degree may be obtained by correspondence and no credit toward a graduate degree may be obtained by extension work from another institution.

At least fifty percent of the work counted toward a doctoral degree program must be composed of courses having residence status at Texas Woman's University.

Major and Minor

Specific requirements for the major and minor subjects are determined by the dean of the college or chair of the committee in consultation with the department in which the candidate seeks the minor. Detailed statements regarding majors and minors are in the departmental, school, and college sections of this catalog. At least half of the courses for the minor must be completed in residence at TWU.

Grade Requirements

No course with a grade below B is accepted toward a doctoral degree at the University.

The doctoral student is expected to maintain a cumulative grade point average of at least B (3.00). When a student's cumulative grade point average on graduate-level work falls below B during any one semester or full summer session of twelve weeks, or when a student receives a single grade of D, F, or WF, the student is placed on academic probation and notified of this status. Should a student receive two failing grades (F or WF) within a single semester, the student will be dismissed immediately without a probation semester. Earning a grade of D, F, WF, or failure to restore the cumulative GPA to 3.00 or above during the next enrollment results in dismissal from the Graduate School. The grade record at Texas Woman's University cannot be improved by attendance at another university. Students who have been suspended may reapply to the TWU Graduate School when 10 years have elapsed after the suspension.

Degree programs in the various colleges have different criteria/expectations when a student earns a grade of C. If a doctoral student earns a grade of C, continuation in the degree program is reviewed by the student's advisory committee. A student is not allowed to continue in the doctoral program if there are two failing grades (F or WF) in the doctoral program.

Notification of probation status will be sent to the student's TWU email address. Notification of dismissal/suspension will be mailed by certified mail to the student's address on file with the university at that time.

Course Load

Normally nine or more graduate semester credit hours are considered a full course load. A graduate student is considered full-time if enrolled in nine or more semester credit hours. Enrollment in fewer than nine semester credit hours is considered part-time enrollment. Graduate students are encouraged to consider twelve semester credit hours a maximum load and, if employed, to enroll for proportionately fewer semester credit hours.

Tuition for Doctoral Semester Credit Hours Exceeding Legislated Limit

The Texas Legislature has amended the state's Education Code to limit funding of doctoral semester credit hours for any student at any institution to 99 semester credit hours. TWU doctoral students are charged at the out-of-state tuition rate for any doctoral work in excess of 99 semester credit hours. By state exception, TWU doctoral students in Counseling Psychology, School Psychology, Family Therapy, and Nursing Science are charged at the out-of-state tuition rate for any doctoral work in excess of 130 semester credit hours. Doctoral students should, therefore, work closely with their advisors to plan a course of study that will prevent their inadvertently exceeding the limit. All semester credit hours listed as I, NG, PR, W, WF, REP, and X on the transcript are included in the total doctoral semester credit hours.

Doctoral students who are simultaneously enrolled in a master's program should work with their advisors to avoid exceeding the 99/130 doctoral hour limit. Master's courses taken after a student becomes enrolled as a doctoral student are included in the 99/130 hours if they receive doctoral funding.

Time Limits

All requirements toward a doctoral degree, aside from a completed master's degree, must be completed within a period of ten consecutive calendar years from the date doctoral semester hour credit is first earned.

Admission to Candidacy for Ph.D. and Ed.D. Students

When a student applies for admission to candidacy, the Dean of the Graduate School appoints a research committee from a list of faculty members suggested by the student in consultation with the chair of the department and submitted by the dean of the college (if required). The committee is composed of a minimum of three members. The chair must posses Full Graduate Faculty status (http://www.twu.edu/gradschool/graduate-faculty.asp). The second and third committee members must have at least Associate Graduate Faculty status. This committee evaluates the student's professional promise, plans for continued study, and progress with respect to the dissertation and later approves the dissertation and sets the final examination of the candidate for the doctoral degree. Admission to candidacy requires the following:

1. Unconditional admission to the Graduate School;
2. Submission of a Degree Plan (http://www.twu.edu/gradschool/forms.asp);
3. Demonstration of professional promise;
4. Good academic standing;
5. Completion of research tools;
6. Satisfaction of the residence requirement, if required;
7. Successful completion of qualifying examination.

The qualifying examination consists of written and/or oral comprehensive examinations conducted by the candidate's committee and administered at least one academic year before the degree is expected to be conferred, ordinarily not earlier than during the last semester of the second full year of graduate study. In no case may a student be excused from the qualifying examination. (NOTE: The student must have met research tool and any residence requirements before taking the qualifying examination.)

Research Tools for Ph.D. and Ed.D. Students

Doctoral studies require skills and techniques (tools) that vary with the specific needs of the discipline. The degree-granting components determine the suitability of specific research tools for their programs. In general, such tools comprise coursework equivalent to a minimum of six graduate semester credit hours for each tool. Equivalent competencies may, if acceptable to the component, be demonstrated by examination. The degree-granting component establishes whether the semester credit hours are included in the 90 semester credit hours required for the program or whether they are required in addition to the minimum semester credit hours needed for the degree.

Dissertation

Each Ph.D. and Ed.D. candidate must write a dissertation based upon an investigation which makes an original contribution to the literature and research of the student's discipline. The Dean of the Graduate School appoints the dissertation director upon recommendation of the chair and/or dean of the college of the doctoral major. In final form, the dissertation must be approved by the student's committee, specified administrators of the appropriate college or school, and the Dean of the Graduate School.

Prospectus approval is required by the Research Committee; the department chair, director, or associate dean; dean of the college (if required); and the Dean of the Graduate School, prior to the student beginning research for a dissertation (even if IRB approval is not required).

To secure semester credit hours for work done on the dissertation, the student must register for this work. When "Dissertation'' appears on the schedule, it is counted as three or six semester credit hours in determining both load, tuition, and fees.

Enrolled graduate students may use the computer and research consulting services of the Center for Research Design and Analysis (CRDA) (http://www.twu.edu/research/crda.asp) in the preparation of their professional papers, theses, and dissertations. The center also provides assistance with qualitative and quantitative research designs. Student's may also access the services of the Pioneer Center for Student Excellence (http://www.twu.edu/pioneer-center) and the Write Site (http://www.twu.edu/write-site).

The grade of PR will be assigned to indicate a dissertation is in progress. A student writing a dissertation for six semester credit hours will be given CR (Credit) for the first enrollment (usually 6983) and PR (In Progress) for all subsequent enrollments (usually 6993) until the last, for which CR will be given again. A student writing a dissertation for twelve semester credit hours will be given CR for the first two enrollments, usually the completion of the prospectus (6983) and for the last two enrollments (usually 6993) and PR for enrollments in between.

Only an officially registered student may hold conferences with faculty concerning the preparation of a dissertation. This rule applies both to the student in actual residence and to the student not in residence who is receiving aid or guidance through conferences or correspondence. This rule does not apply to preliminary conferences held before the dissertation subject has been selected. Registration for dissertation in one term is good for that term only and does not extend to the next term.

Digital submission of the student's dissertation must be completed no later than the filing date listed in the Graduate School "Graduation Deadlines (http://www.twu.edu/gradschool/degree-completion.asp).'' One or more bound copies at the expense of the student, may be required by the student's major department. Copyright ownership of theses and dissertations is retained by the student, but the student must grant to TWU royalty-free permission to reproduce and publicly distribute copies of the thesis or dissertation. In circumstances where the research for the thesis or dissertation has been done in conjunction with other policies discussed in the *Texas Woman's University Policy on Intellectual Property*, those policies will apply with regard to the students.

All dissertations are uploaded to ProQuest and are included in *Dissertation Abstracts International*. The student pays for microfilming at the time of filing the dissertation and abstract in the Graduate School. Copyrighting, which remains optional, may be secured during the submission process for an additional fee. Details concerning the abstracts, microfilming, copyrighting, and their fees are available in the Graduate School.

Students are urged to consult the Graduate School publications *Guide to the Preparation and Processing of Dissertations, Theses, and Professional Papers* and *Formatting Navigator* for additional information. (See also Policies and Guidelines for Graduate Students: General Requirements and Regulations for Doctoral Degrees (http://catalog.twu.edu/graduate/graduate-school/general-requirement-regulations-doctoral-degrees), Committees on Dissertations, Theses, and Professional Papers (http://catalog.twu.edu/graduate/graduate-school/committees-dissertations-theses-professional-papers).)

Final Examinations

When the research committee has approved the candidate's dissertation and all other requirements for the degree have been met, the student stands for a final examination before the committee. The final examination is oral, written, or both, and includes a defense of the dissertation and the research on which it is based, as well as questions concerning both the major and minor fields.

Formal notice of satisfactory completion of the final examination, Certificate of Final Exam (CFE) (http://www.twu.edu/gradschool/degree-completion.asp), must be filed in the Graduate School by the date specified for each semester in the Graduate School "Graduation Deadlines (http://www.twu.edu/gradschool/degree-completion.asp).''

Doctoral students are not permitted to participate in the graduation ceremony if they have not met all deadline requirements.

Committees on Dissertations, Theses, and Professional Papers

These policies shall apply to the research committee of each candidate for a graduate degree requiring a dissertation, thesis, or professional paper.

Purpose

The purpose of the committee is threefold:

1. to guide the student during the major study,
2. to evaluate the student's total progress and achievement, and
3. to maintain high standards of scholarship.

Selection

A graduate student's responsibility includes recommending the membership of the committee. Before first registration for thesis, professional paper, or dissertation, the student should identify in writing to the head of the appropriate department, school, or college those persons whom the student wishes to have as chair and members of the committee. The head of the component recommends in writing the appointment of the committee and its chair to the Dean of the Graduate School. If those recommendations are different from the student's request, a written statement to that effect accompanies the recommendations to the Dean of the Graduate School.

Master's Degree

The Research Committee consists of not fewer than two voting members of the graduate faculty (http://www.twu.edu/gradschool/graduate-faculty.asp) from the student's degree program. If the student has a minor, an additional member of the committee should be a faculty member from the minor area. This committee shall have authority with respect to the student's thesis or professional paper; and the committee chair administers this authority. This committee also serves as the candidate's committee to examine the student's thesis or professional paper. A person selected to serve on a master's committee must hold a master's degree or higher. Exceptions to committee membership may be made at the discretion of the Dean of the Graduate School.

Doctoral Degree

The Research Committee consists of not fewer than three voting members of the graduate faculty (http://www.twu.edu/gradschool/graduate-faculty), at least two of whom represent the major discipline. If the student has a minor, one member of the committee should be a faculty member from the minor area. This committee shall have authority with respect to the student's dissertation; and the committee chair administers this authority. This committee also serves as the candidate's committee to examine and give approval for the dissertation.

Qualifications for Committee Membership

Ordinarily, a person selected to serve on a committee should hold a regular, full-time academic appointment at TWU and should be a member of the graduate faculty. A person selected to serve on a master's committee must hold a master's degree or higher, and one selected to serve on a doctoral committee is expected to hold a doctor's degree. The chair of a Thesis or Dissertation committee must possess Full Graduate Faculty (http://www.twu.edu/gradschool/graduate-faculty.asp) status. The second and/or third members must have at least Associate Graduate Faculty status. Exceptions may be made at the discretion of the Dean of the Graduate School.

External Committee Members: A committee chair may request that someone, from outside of the university, serve on a student's research committee, when her/his expertise and/or experience will enhance the quality of the student's research and study experience. The external committee member participates in research meetings but is not a voting member of the committee. The appointment is with great appreciation but no remuneration is awarded for the service. A copy of the the individual's vita/resume must be submitted with the request to the Dean of the Graduate School.

Appointment

Official appointment of the committee is the responsibility of the Dean of the Graduate School.

Authority and Responsibilities

The advisory committee is an arm of the Graduate School. When the committee has been appointed, the authority of the component with respect to the student's program including course work, evaluation, and major study is delegated to the committee; however, actions and decisions of the committee are subject to review and recommendation by the head of the component.

The committee chair is the committee spokesperson in dealing with the student. The student should have no uncertainty concerning the person with whom to deal in the day-to-day preparation of the major study, and it should seldom be necessary for the student to hold conferences concerning minor matters with the individual members between committee meetings.

1. The committee determines specific program requirements for the student consistent with University policy.
2. The committee requires an approved prospectus before the student begins data-gathering procedures. To indicate approval, each committee member signs the prospectus cover sheet (http://www.twu.edu/gradschool/forms); the committee chair forwards the approved prospectus to the head of the next larger component for signature. The thesis or dissertation prospectus is then forwarded to the Dean of the Graduate School. To indicate approval of a professional paper prospectus, each committee member signs the prospectus, and the committee chair files it with the office of the component in which the student is majoring.
   a. The committee chair assures the Graduate School in writing that the researcher and the research chair have completed and submitted the "Responsible Conduct of Research Training" (http://www.twu.edu/research/responsible-conduct-research-plan.asp) verification.
   b. The committee chair assures that any study involving human subjects meets the criteria of the Texas Woman's University Institutional Review Board (http://www.twu.edu/research/irb.asp) guidelines established in accordance with the Department of Health and Human Services regulations, and that it has been approved, if necessary, by the Institutional Review Board.
   c. The committee chair assures the Graduate School in writing that written permission has been obtained in advance from every person who is photographed, filmed, video-taped, or recorded in any way for educational or research purposes. Consent forms are available in each academic component and in the Graduate School.
   d. The committee chair assures the Graduate School that, when other institutions or organizations are involved in the major study, the student will obtain letters of cooperation from the appropriate officials on their letterhead before beginning the collection of data.
   e. The committee chair informs the Graduate School of the receipt of the required letters of informed consent for human studies and letters of institutional cooperation. These documents are filed for the length of time stipulated in the regulations.
   f. The committee chair informs the student of the necessity of assuring the rights to privacy and protection of confidentiality of data before data are collected, normally when the prospectus is approved.
   g. The committee chair assures the Graduate School in writing that any study involving live animals meets the criteria of the Texas Woman's University Institutional Animal Care and Use Committee guidelines (http://www.twu.edu/research/animal-care-and-use-committee.asp).
3. The committee accepts or rejects the completed major study in accordance with high standards of scholarship.
4. The committee members are responsible for thorough and prompt review of the student's work throughout the major study.

Changes in Committee Appointment

If necessary, changes in committee membership can be made. A request for a change may be initiated by the student, committee member, or head of the component. Requests for changes should be written and routed through the chair of the committee to the head(s) of the component(s) to the dean of the respective college to the Dean of the Graduate School. Academic courtesy holds that, before an official change is made, the committee chair should inform all parties concerned.

Committees of the Federation

A Texas Woman's University student enrolled in a program of the Federation of North Texas Area Universities (http://www.twu.edu/federation) may request that a faculty member from another Federation university be asked to serve on the committee. The head of the component recommends such an appointment in writing to the Dean of the Graduate School.

The chair of the student's committee provides guidelines relative to the Federation program in the student's major component. When the degree is granted by Texas Woman's University, the chair and the majority of the voting members of any committee of the Federation must be from the student's major component at Texas Woman's University.

Meetings

A committee is convened by the chair no fewer than two times and often three or more times, depending upon the student's progress. Committee members are expected to respond promptly to the call for a meeting. All committee members are expected to attend committee meetings. Majority decisions of the committee prevail.

First Obligatory Meeting

At least ten days before this meeting, with the approval of the committee chair, the student gives each member a copy of the prospectus developed to the level of complexity deemed appropriate by the chair. The prospectus typically may include an introduction, a statement of purpose (problem, questions, hypotheses), a selected review of literature, and a description of the student's research methods and procedures. At this meeting, the committee assesses the student's prospectus and ability to carry out the research. The committee makes suggestions to the chair concerning the course work or study still needed by the student and establishes the time limitations for the currency of the research data. The committee decision takes one of the several forms listed below.

1. Unqualified approval: If the prospectus is followed in precise detail, the student's research design will not later be challenged.
2. Qualified approval: Changes may be made under the supervision of the chair without further committee involvement.

3. Qualified disapproval: The student must revise the prospectus and meet again with the whole committee.
4. Unqualified disapproval: The student must prepare a new prospectus or withdraw from the program.

When the committee has granted unqualified approval to a prospectus for a thesis or dissertation, the student must file in the Graduate School a copy of the prospectus bearing the approval signatures of all committee members, the department chair, and the academic dean. (This filing is not required for professional papers.) Revisions may be required at any level of review/approval. Departments typically require a more extensive prospectus, however, the copy filed in the Graduate School must be no longer than ten pages, setting forth salient aspects of the following:

- tentative title,
- purpose and rationale for the study,
- statement of the problem,
- proposed procedures, and
- other information deemed necessary by the committee.

If human subjects, animals, or outside agencies are involved, the appropriate permission and approval statements must also be filed with the prospectus. See the Graduate School publication *Guide to the Preparation and Processing of Dissertations, Theses, and Professional Papers*.

Students are not to begin the collection of data prior to receiving prospectus approval (even if IRB approval is not required) in the form of a letter/email received from the Graduate School and copied to the committee chair. Research conducted without prospectus approval could be rejected.

Second Obligatory Meeting

At least ten days before this meeting, with the approval of the committee chair, the student gives each member of the committee a copy of the completed major study. At this meeting the student must defend the major study, although relevant questions outside its purview may be asked. The component decides whether the examination is written or oral. If the examination is oral, the meeting is announced and is open to the component faculty. Ordinarily, only the committee and the candidate participate in the examination; however, the committee may invite the participation of other faculty members. The committee's decision, made in executive session, takes one of the several forms listed below.

1. Unqualified approval: The committee recommends the student be approved for the degree by the Dean of the Graduate School.
2. Qualified approval: Suggested changes are made under the direction of the chair without another meeting of the committee and the committee will then recommend that the Dean of the Graduate School approve granting the degree.
3. Qualified disapproval: The research needs to be repeated or modified, or the major study rewritten extensively and resubmitted for another meeting of the committee. If a second formal defense of the major study is scheduled, two such meetings may not be scheduled in the same semester. (Two consecutive summer terms are considered one semester.)
4. Unqualified disapproval: The student is advised to withdraw from the program without completing the degree.

The committee chair promptly informs in writing the Dean of the Graduate School, the head(s) of the component(s), and the student of any decision falling into the category of unqualified approval or unqualified disapproval.

Students must file their thesis with the Graduate School by the filing deadline (http://www.twu.edu/gradschool/degree-completion) to be allowed to graduate in that term. All theses will be read by the Graduate Reader for quality and professionalism and may require corrections before students are allowed to receive their degrees. Students are encouraged to file their thesis early if complete.

Preparation and Submission of Dissertations, Theses, and Professional Papers

All students submitting a dissertation or thesis are now required to have them read by the Graduate Reader for quality and professionalism. Students will not be graduated until their document has been approved. It is recommended that students turn their dissertation or thesis in early if it is complete. Late submissions will not be considered for that term's graduation (see deadlines (http://www.twu.edu/gradschool/degree-completion)).

TWU students enrolling in thesis or dissertation are required to use the digital submission format.

Digital paper submission: A digital copy is uploaded to Proquest's database. Some programs still require the student to provide one printed copy for the department.

The Graduate School provides assistance for students completing a dissertation or thesis. The Senior Graduate Services Analyst provides formatting assistance, graduate school requirements as well as style manual formatting, corresponding forms and any applicable requirements. Contact information and hours of availability can be found on the Graduate School website under Thesis and Dissertation Consultation (http://twu.edu/gradschool/current-students/thesis-and-dissertation-consultation).

In addition to the services provided by the Graduate Services Analyst, the graduate school provides a "Guide to Preparation and Processing of Dissertations, Theses and Professional Papers (http://www.twu.edu/gradschool/degree-completion.asp)" as well as a supplemental guide, "Formatting Navigator (http://www.twu.edu/gradschool/degree-completion.asp)".

College of Arts and Sciences

Web Site: http://www.twu.edu/arts-sciences/

Dean: *Abigail C. Tilton, Associate Professor*
Location: *CFO 1210*

Interim Associate Dean: Claire Sahlin*, Professor*
Location: *CFO 1201*

Phone: *940-898-3326*
Fax: *940-898-3366*

The College of Arts and Sciences is comprised of the departments of Biology; Chemistry and Biochemistry; English, Speech, and Foreign Languages; Fashion and Textiles; History and Government; Mathematics and Computer Science; Multicultural Women's and Gender Studies; Psychology and Philosophy; and Sociology and Social Work. The School of the Arts (Dance, Drama, Music, and Visual Arts) are also in the College of Arts and Sciences.

Graduate programs offered by these college components lead to the following master's degrees: Master of Arts, Master of Fine Arts, and Master of Science. In addition, the Specialist in School Psychology degree is offered as well as Master of Arts in Music (Music Therapy concentration)/Master of Science in Counseling and Development.

Several graduate certificates are offered in the College. The Department of Sociology and Social Work offers the Post-baccalaureate Certificate in Diversity and the Post-baccalaureate Certificate in Social Science Research Methods. The Department of Multicultural Women's and Gender Studies offers a Post-baccalaureate Certificate in Women's Studies.

Doctor of Philosophy programs are offered in the fields of Counseling Psychology, Dance, Molecular Biology, Rhetoric, School Psychology, Sociology, and Multicultural Women's and Gender Studies.

Numerous research opportunities exist in these programs, and special facilities for graduate instruction and research are available.

General degree requirements (p. 56) of the University may be found in this catalog. Additional information about the College's departments and programs can be found at the College of Arts and Sciences website (http://www.twu.edu/arts-sciences).

Department of Biology

Web Site: http://www.twu.edu/biology/

Chair: Interim, TBD
Location: GRB 230
Phone: 940-898-2351
Fax: 940-898-2382
E-mail: biology@twu.edu (smcintire@twu.edu)

Graduate Academic Advisor: Heather Conrad-Webb, Ph.D.

Location: GRB 225

Phone: 940-898-2449

E-mail: hconradwebb@twu.edu

Graduate Degrees Offered

- M.S. in Biology Research/Thesis (p. 83)
- M.S. in Biology Professional Paper
- Ph.D. in Molecular Biology (p. 83)

The doctoral degree is offered through the Federation of North Texas Area Universities.

Students in the Department of Biology can obtain a graduate degree with an emphasis in molecular biology, microbiology, neurobiology, general biology, botany, bioinformatics, virology or science education. The primary objectives of the department are to provide education and training broad enough to prepare students to enter a career in research, industry or teaching. Within the department there are opportunities for both teaching and research assistantships. For teaching assistantships, students should request an application form from the department.

Admissions

Admission Requirements

Please see the admissions section (p. 56) in this catalog. In addition to these general requirements, the Department of Biology requires the following for admission to its graduate degree programs:

1. A bachelor's degree in Biology or its equivalent. Students without an undergraduate Biology major will be considered if the departmental admissions committee believes that the student shows academic promise. These students may be granted provisional admission while they complete the requisite background coursework.
2. Submission of GRE (http://www.ets.org/gre) scores. Those accepted into the Master's programs typically exceed 425 (148 verbal and 140 quantitative on the Revised GRE) in both the verbal and quantitative sections. Those accepted into the Ph.D. program commonly have GRE scores above 500 (153 verbal and 144 quantitative on the Revised GRE) in both the verbal and quantitative sections.
3. A statement of purpose (1-3 pages) that includes reasons for pursuing graduate work, background experience and professional goals. Please include all contact information.
4. Three letters of recommendation from persons familiar with the applicant's academic capabilities. The statement of purpose and letters of recommendation should be submitted directly to the Biology Department.

In addition, admission to the Ph.D. program requires undergraduate courses in: organic chemistry (2 semesters); calculus (2 semesters); and physics (2 semesters).

International students should follow the application procedures outlined by the International Education Office (http://www.twu.edu/international-education). In addition, applicants should also send the statement of purpose and letters of recommendation directly to the Biology Department. Those students wishing to apply for teaching assistantships must demonstrate English speaking proficiency by one of the following:

- score of 26 or higher on the TOEFL (http://www.ets.org/toefl) iBT speaking section
- score of 50 or higher on the Test of Spoken English
- score of 7.5 or higher on the IELTS (http://www.ielts.org) Speaking test
- score of 4 or higher on the MELAB (http://www.cambridgemichigan.org/melab) Speaking test

Applicants who satisfy the Graduate School's admission standards are forwarded for review to the departmental admissions committee. This committee is responsible for recommending acceptance into Biology graduate programs.

Minors

Minors Offered to Students in Other Departments

Master's level: 6 graduate hours of biology.

Doctoral level: 12 graduate hours of biology.

Bacteriology Courses

BACT 6534. Plasmids as Vectors for Recombinant DNA. Molecular structure and replication of plasmids. Utilization of plasmids for isolation, characterization, and expression of prokaryotic and eukaryotic genes. Two lecture and six laboratory hours a week. Credit: Four hours.

BACT 6544. Viruses as Vectors for Recombinant DNA. Replicative cycle of viruses utilized in recombinant DNA technology. Viruses used to isolate genetic material from other sources and characterization of the recombinant DNA by size, restriction endonuclease mapping, and nucleic acid sequencing. Two lecture and six laboratory hours a week. Credit: Four hours.

Biology Courses

BIOL 5014. Advanced Bioinformatics and Computational Biology. Theory and methods for computational research of biomacromolecular and cellular structure and function, including the application of computational data storage and retrieval, pattern recognition, and chemical modeling techniques; research utilizing sequence analysis, structural prediction, genomics, phylogenetics, or systems biology. Prerequisites: Courses in molecular biology and biochemistry. Three lecture and two laboratory hours a week. Credit: Four hours.

BIOL 5033. Advanced Science in the Secondary Classroom. Advanced strategies for teaching high school and middle school science using science inquiry and active learning techniques. Notebooking, portfolio building, 5E lesson plan design, classroom management, cooperative learning, assessment, and technology applications. Three lecture hours a week. Credit: Three hours.

BIOL 5111. Teaching Methods for Biology Laboratory Instructors. Examination of teaching methods in the biology laboratory. Development of attitudes and behaviors which typify the excellent teacher. One lecture hour a week. Credit: One hour.

BIOL 5123. Biostatistics. Advanced studies in biometric systems, experimental design, and data analysis. Prerequisite: Twelve hours of biology and permission of instructor. Three lecture hours a week. Credit: Three hours.

BIOL 5293. Advanced Scientific Communication. Advanced writing and verbal communication skills involved in gathering, analyzing, and distributing scientific and technical information for specific scientific audiences; advanced research project design and implementation, data collection, and the design and application of appropriate statistical analysis. Three lecture hours a week. Credit: Three hours.

BIOL 5333. Advanced Pathophysiology. Principles of pathophysiology; including normal physiology, effects of abnormalities of function, instrumentation and measurement of physiological function. Three lecture hours a week. Credit: Three hours.

BIOL 5503. Research Methods. Studies in bibliographical procedures, the selection of methods applicable to specific problems, and writing and organization of review articles. May be repeated for additional credit. Credit: Three hours.

BIOL 5611. Readings in Biology. Library research in selected subjects in biology. Credit: One hour.

BIOL 5613. Readings in Biology. Library research in selected subjects in biology. Credit: Three hours.

BIOL 5681. Seminar. Presentation of research projects, data, and research by graduate students; discussions of presentations and related literature or laboratory techniques. May be repeated for additional credit. One seminar hour a week. Credit: One hour.

BIOL 5801. Biological Research. Nature of biological investigations; methods and tools of research; survey of scientific literature. Credit: One hour.

BIOL 5803. Biological Research. Nature of biological investigations; methods and tools of research; survey of scientific literature. Credit: Three hours.

BIOL 5881. Biological Research. Continuation of BIOL 5801. Credit: One hour.

BIOL 5883. Biological Research. Continuation of BIOL 5803. Credit: Three hours.

BIOL 5903. Special Topics. Offerings in biology, botany, microbiology, and zoology. May be repeated for additional credit. Prerequisite: Permission of instructor. Credit: Three hours.

BIOL 5911. Independent Study. Independent or tutorial work in selected areas in biology. May be repeated for additional credit. Credit: One hour.

BIOL 5913. Independent Study. Independent or tutorial work in selected areas in biology. May be repeated for additional credit. Credit: Three hours.

BIOL 5973. Professional Paper. Written presentation of literature and possible laboratory research in a selected area. Credit: Three hours.

BIOL 5981. The Professional Portfolio. Development of a professional portfolio by students in the Master of Arts in Teaching program demonstrating the student's growth in the Learner-Centered Competencies. Pass-fail grade only. Credit: One hour.

BIOL 5983. Thesis. Credit: Three hours.

BIOL 5993. Thesis. Prerequisite: BIOL 5983. Credit: Three hours.

BIOL 6334. Advanced Cell Biology. Survey of current understanding of biogenesis, architecture and function of cellular organelles. The cell cycle and regulation of cell growth. Prerequisite: Permission of the instructor. Four lecture hours a week. Credit: Four hours.

BIOL 6513. Molecular Biology. Survey of current understanding of DNA structure, organization, chromosome replication, gene transcription, ribosome assembly, and translation. Emphasis is on molecular processes and their regulation in both prokaryotes and eukaryotes. Prerequisites: CHEM 5613 and CHEM 5623, or permission of instructor. Three lecture hours a week. Credit: Three hours.

BIOL 6734. Advanced Genetics. A literature-based course covering theory, experimental methods, and data analysis in genetics. Prerequisites: BIOL 6513 and BIOL 6334. Four lecture hours a week. Credit: Four hours.

BIOL 6821. Research in Molecular Biology. Application of molecular studies to biological problems. May be repeated for additional credit. Credit: One hour.

BIOL 6823. Research in Molecular Biology. Application of molecular studies to biological problems. May be repeated for additional credit. Credit: Three hours.

BIOL 6831. Research in Molecular Biology. Continuation of BIOL 6821. May be repeated for additional credit. Credit: One hour.

BIOL 6833. Research in Molecular Biology. Continuation of 6823. May be repeated for additional credit. Credit: Three hours.

BIOL 6843. Health Care Genetics. Human genetics and gene abnormalities with emphasis on application of new genomic technology in medicine; includes gene expression, inheritance, consequences of mutation, recombinant DNA technology, genetic testing, gene therapy, and genomics; incorporation of sequence-based health with evidence-based practice. Fulfills requirement in the Doctor of Nursing Practice program. Three lecture hours a week. Credit: Three hours.

BIOL 6903. Special Topics. Selected studies in advanced biology. Prerequisite: Permission of instructor. May be repeated for additional credit. Credit: Three hours.

BIOL 6911. Independent Study. Independent work in selected areas of molecular biology. May be repeated for additional credit. Credit: One hour.

BIOL 6913. Independent Study. Independent work in selected areas of molecular biology. May be repeated for additional credit. Credit: Three hours.

BIOL 6983. Dissertation. Credit: Three hours.

BIOL 6993. Dissertation. Prerequisite: BIOL 6983. Credit: Three hours.

Zoology Courses

ZOOL 5423. Endocrinology. Advanced studies of biology and biochemistry of the glands of internal secretion. Prerequisite: ZOOL 4243. Three lecture hours a week. Credit: Three hours.

Faculty

Professors

HYNDS, DIANNA L., Professor of Biology. B.S., Hillsdale College; Ph.D., Ohio State University, Columbus.

McARTHUR, MERRY C., Professor of Biology. B.S., University of Minnesota, Duluth; M.S., University of Minnesota, Duluth; Ph.D., Southern Methodist University.

MILLS, NATHANIEL C., Professor of Biology. B.S., Western Kentucky University; Ph.D., Vanderbilt University.

NEELY, MELODY N., Research Professor of Biology. B.S., Eastern Michigan University; Ph.D., University of Michgan.

UPHOUSE, LYNDA L., Cornaro Professor of Biology. B.A., Austin College; M.A., University of Colorado, Boulder; Ph.D., University of Colorado, Boulder.

Associate Professors

BERGEL, MICHAEL, Associate Professor of Biology. B.Sc., The Hebrew University of Jerusalem; M.Sc., The Hebrew University of Jerusalem; Ph.D., The Hebrew University of Jerusalem.

CONRAD-WEBB, HEATHER M., Associate Professor of Biology. B.S., Baylor University; Ph.D., Ohio State University, Columbus.

HANSON, LAURA K., Associate Professor of Biology. B.S., University of Washington; Ph.D., Cornell University.

MAIER, CAMELIA G., Associate Professor of Biology. B.S., University of Bucharest; M.S., University of North Texas; Ph.D., University of North Texas.

WESTMORELAND, SANDRA, Associate Professor of Biology. B.S., University of Houston; M.S., University of Texas at Arlington; Ph.D., University of Texas at Arlington.

Assistant Professors

AVERITT, DAYNA L., Assistant Professor of Biology. B.A., University of Texas at Austin; M.S., Georgia State University; Ph.D., Georgia State University.

BROWER, CHRISTOPHER, Assistant Professor of Biology. B.S., Northeastern Oklahoma State University; M.S., University of Oklahoma Health Sciences Center; Ph.D., University of Oklahoma Health Sciences Center.

GUMIENNY, TINA, Assistant Professor of Biology. B.S., Texas A&M University; Ph.D., State University of New York-Stony Brook.

Lab Instructor

AHMED, SHAZIA A., Laboratory Instructor of Biology. B.S., University of Karachi; M.S., University of Karachi; Ph.D., Texas Woman's University.

Master of Science in Biology

Total Semester Credit Hours Required

For the M.S. in Biology with Research emphasis, a minimum of 30 semester credit hours, including 6 semester credit hours for thesis; for the M.S. in Biology Professional Paper option, 36 semester credit hours, including 3 semester credit hours for professional paper and 6 semester credit hours of education or equivalent coursework as approved by the Advisory Committee.

Major/Emphasis

24-27 semester credit hours of courses chosen with an advisory committee to fit the needs of the student.

Minor

6 semester credit hours, usually chemistry.

Final Examination

Oral defense of the thesis or professional paper; may be retaken once upon approval of the committee.

Master of Science in Biology Program of Study

Research Option (30 semester credit hours)

BIOL 5983	Thesis	3
BIOL 5993	Thesis	3
24 semester credit hours chosen with advisory committee. (Usually includes one of the Ph.D. required BIOL and Biochemistry courses.)		24
Total Semester Credit Hours		30

Professional Paper (36 semester credit hours)

BIOL 5973	Professional Paper	3
6 semester credit hours of education or equivalent coursework approved by advisory committee.		6
27 semester credit hours of courses chosen with an advisory committee to fit the needs of the student.		27
Total Semester Credit Hours		36

Doctor of Philosophy in Molecular Biology

The Doctor of Philosophy degree in Molecular Biology is offered through a cooperative program of the Federation of North Texas Area Universities that includes Texas Woman’s University and the University of North Texas. Within this degree option, courses are available in molecular biology and neurobiology.

The federation doctoral program provides opportunities for formal course work, seminars, independent study, participation in regional and national conferences and dissertation research. The program also includes federation-sponsored seminars featuring outstanding nationally and internationally recognized educators.

Graduate students enrolled at either UNT or TWU take courses at both universities, thus benefiting from the combined faculties of each school. Students graduating from a federation program will be granted the Ph.D. from the university through which they entered the program.

Total Semester Credit Hours Required

A minimum of 90 semester credit hours including those at the master’s level and 6 semester credit hours for dissertation.

Required

(To be fulfilled by every Ph.D. student as early as possible in the program.)

BIOL 6513	Molecular Biology	3
BIOL 6334	Advanced Cell Biology	4
BIOL 6734	Advanced Genetics	4
BIOL 6983	Dissertation	6
CHEM 5613	Advanced Biochemistry I	3
CHEM 5623	Advanced Biochemistry II	3
6 semester credit hours of "Techniques" courses (from a selection of "skill" courses such as Biostatistics, Electron Microscopy, Plasmid Techniques, Specific Molecular Techniques, etc.).		6

Research Tools

Proficiency in two competencies such as foreign languages, statistics or computer science.

Residence Requirement

A Ph.D. candidate must spend one academic year in residence on the Denton campus.

Dissertation

6 to 12 dissertation hours

Preliminary Examination

The preliminary examination consists of two parts: a written research proposal; and an oral examination covering the contents of the proposal as well as the fields of cell and molecular biology. The student’s advisory/research committee administers the examination.

Final Examination

An open seminar in which the student discusses research results and an oral examination by the dissertation committee are required.

Department of Chemistry and Biochemistry

Web Site: http://www.twu.edu/chemistry-biochemistry/

Chair: *Richard D. Sheardy, Professor*
Location: *ASSC 323*
Phone: *940-898-2550*
Fax: *940-898-2548*
E-mail: *chembiochem@twu.edu*

Graduate Degree Offered

- M.S. in Chemistry (p. 86)

Analytical, biological, inorganic, organic, and physical chemistry are areas in which advanced coursework and research are available in the department. A course of study and research is designed by a faculty committee as a degree program leading to a master's degree best fitted to the individual's career goals. The department has excellent facilities and resources to support a broad variety of research directions.

Cooperation and interaction among the faculty and with the graduate students create an environment of strong support for the student in both studies and research, and facilitates the attainment of the educational goals of each student. Opportunities to serve as a teaching assistant and/or as a research assistant provide both financial support and educational experience. Fellowships and scholarships are also available.

We offer the MS degree in Chemistry with research focuses in biochemistry, biophysical chemistry, organic chemistry and inorganic/materials chemistry. All MS degree seeking students will be required to take a minimum of four basic courses covering different aspects of chemistry for a broad background. Students can also take other graduate courses for more in depth perspectives. We now offer two pathways to the MS including a research path or a coursework path with a science or business track emphasis.

Admissions

Admission Requirements

Please see the admissions section (p. 56) in this catalog. In addition to these general requirements and for unconditional admission, the Department of Chemistry and Biochemistry requires that the applicant for admission to graduate study leading to the Master of Science in Chemistry hold a bachelor's degree in chemistry, or the equivalent to a chemistry major offered at Texas Woman's University. Preferred scores on the GRE Verbal of 400/146 and on the GRE Quantitative of 550/146 should be presented. An applicant with a bachelor's degree in another discipline may be admitted provisionally until all undergraduate deficiencies are cleared.

Minors

Minors Offered to Students from Other Departments

Master's level

Six semester credit hours of organized graduate courses in the Department of Chemistry and Biochemistry as defined by the chemistry representative on the candidate's advisory committee.

Chemistry Courses

CHEM 5013. Advanced Physical Chemistry. Fundamental laws, states of matter, thermodynamics of solutions, and chemical equilibria with an emphasis on biological systems. Three lecture hours a week. Credit: Three hours.

CHEM 5101. Seminar. Presentation of chemical papers of current interest, followed by discussion. Prerequisite: One semester of graduate work. One seminar hour a week. Credit: One hour.

CHEM 5213. Advanced Organic Chemistry. Problems and techniques of modern theoretical organic chemistry. Three lecture hours a week. Credit: Three hours.

CHEM 5323. Advanced Analytical Chemistry. Activity and equilibrium in water and nonaqueous solvents; precipitation, complexation, redox, electrochemical, and separative processes; sampling and statistics. Instrumentation. Three lecture hours a week. Credit: Three hours.

CHEM 5523. Advanced Inorganic Chemistry. Theory and description applicable to the elements and their inorganic compounds; bonding, structure stereochemistry, complexes, acid-base theory. Three lecture hours a week. Credit: Three hours.

CHEM 5613. Advanced Biochemistry I. Chemistry and structure of biomolecules (carbohydrates, lipids, amino acids and proteins, nucleotides and nucleic acids). Three lecture hours a week. Credit: Three hours.

CHEM 5623. Advanced Biochemistry II. Chemistry and metabolism of biomolecules (proteins, enzymes, nucleic acids, carbohydrates, and lipids). Prerequisite: CHEM 5613. Three lecture hours a week. Credit: Three hours.

CHEM 5891. Research in Chemistry. Original research. May be used as thesis subject. May be repeated for additional credit. Prerequisite: Permission of the instructor. Credit: One hour.

CHEM 5893. Research in Chemistry. Original research. May be used as a thesis subject. May be repeated for additional credit. Prerequisite: Permission of the instructor. Credit: Three hours.

CHEM 5896. Research in Chemistry. Original research. May be used as a thesis subject. May be repeated for additional credit. Prerequisite: Permission of the instructor. Credit: Six hours.

CHEM 5903. Special Topics. Lectures or conferences on recent developments in chemical theory or practice. May be repeated with change of topic for additional credit. Prerequisite: Permission of the instructor. Three lecture hours a week. Credit: Three hours.

CHEM 5911. Independent Study. Independent student readings or experimentation in chemistry. Prerequisite: Permission of instructor. Credit: One hour.

CHEM 5912. Independent Study. Independent student readings or experimentation in chemistry. Prerequisite: Permission of instructor. Credit: Two hours.

CHEM 5913. Independent Study. Independent student readings or experimentation. Prerequisite: Permission of instructor. Credit: Three hours.

CHEM 5953. Cooperative Education. Cooperative work-study arrangement between business, industry, or selected institution and the University. Pre-planning and evaluation will involve approximately 10% of the practicum hours per week. May be repeated for credit. Nine practicum hours a week. Credit: Three hours.

CHEM 5956. Cooperative Education. Cooperative work-study arrangement between business, industry, or selected institution and the University. Pre-planning and evaluation will involve approximately 10% of the practicum hours per week. May be repeated for credit: Eighteen practicum hours a week. Credit: Six hours.

CHEM 5973. Professional Paper. Written presentation of literature and possible laboratory and/or statistical research in a selected area of chemistry. Credit: Three hours.

CHEM 5983. Thesis. Credit: Three hours.

CHEM 5993. Thesis. Prerequisite: CHEM 5983. Credit: Three hours.

Science Courses

SCI 5903. Special Topics. Advanced topics in general science. Three lecture hours a week. Credit: Three hours.

SCI 5911. Independent Study. Independent student readings or study in general sciences. Prerequisite: Permission of the instructor. Credit: One hour.

SCI 5913. Independent Study. Independent student readings or study in general science. Prerequisite: Permission of the instructor. Credit: Three hours.

Faculty

Professors

BRITT, BILLY MARK, Professor of Chemistry and Biochemistry. B.S., Millsaps College; Ph.D., University of Oregon.

SHEARDY, RICHARD D., Professor of Chemistry and Biochemistry; Chair of the Department of Chemistry and Biochemistry. B.S., Michigan State University; Ph.D., University of Florida.

Associate Professors

ANDERSON, MARY E., Associate Professor of Chemistry and Biochemistry. B.A., Hollins College; Ph.D., Cornell University.

JONES, RICHARD C., Associate Professor of Science Education. B.A., West Virginia University; M.A.T, University of Texas at Dallas; Ph.D., Texas A&M University .

OMARY, MANAL A., Associate Professor of Chemistry and Biochemistry. B.S., Yarmouk University; Ph.D., University of Maine, Augusta.

Assistant Professor

MIRSALEH-KOHAN, NASRIN, Assistant Professor of Chemistry and Biochemistry. B.S., University of Tehran; M.S., Bowling Green State University; Ph.D., University of Tennessee, Knoxville.

Master of Science in Chemistry

Total Semester Credit Hours Required

Research Track: A minimum of 30 semester credit hours.

Coursework Track (Science or Business): A minimum of 36 semester credit hours.

Required Courses

A minimum of 12 semester credit hours of chemistry course work (excluding research, seminar, and thesis) approved by an advisory committee. Enrollment in CHEM 5101 is required each semester of students enrolled for 9 or more semester credit hours.

Final Examination

All candidates for master's degrees must pass a final oral examination administered by the student's research committee.

Master of Science in Chemistry Program of Study (30 or 36 semester credit hours)

Research Track (30 semester credit hours)

All students in the research track must complete four basic courses for a total of twelve credits. Additional courses may be taken upon the advice of their research mentors. In the first year of studies, research track students must choose a research mentor and defend a research prospectus which is a plan for the research project. Additional credits are earned through Research in Chemistry (CHEM 5891, CHEM 5983 and/or CHEM 5896). Students must also register for seminar (CHEM 5101) every semester. In the last two semesters of study, students must register for Thesis (CHEM 5893 and CHEM 5993). Students then will write an MS thesis detailing their research project and defend it to their committee. The committee is composed of the research mentor and two other faculty members, typically in the department. A minimum of 30 credits is required. This degree plan is suggested for those who wish to pursue a PhD in chemistry or biochemistry or seek a position in a pharmaceutical or chemical company.

Required Courses		
Select 12 semester credit hours from the following:		12
CHEM 5013	Advanced Physical Chemistry	
CHEM 5213	Advanced Organic Chemistry	
CHEM 5323	Advanced Analytical Chemistry	
CHEM 5523	Advanced Inorganic Chemistry	
CHEM 5613	Advanced Biochemistry I	
CHEM 5623	Advanced Biochemistry II	
Completion of Track		
CHEM 5983	Thesis	3
CHEM 5993	Thesis	3
Select remaining 12 semester credit hours from the following:		12
CHEM 5101	Seminar (every semester)	
CHEM 5891 & CHEM 5893	Research in Chemistry and Research in Chemistry	
Total Semester Credit Hours		30

Coursework Track (36 semester credit hours)

Science Track

All students in the course work track must complete five basic chemistry courses for a total of fifteen credits. Additional graduate courses, including up to six credits can be from Research in Chemistry, in chemistry, biology, or math will be taken upon the approval of their advisor for a total of 30-33 credits. In the first year of studies, coursework track students must choose an advisor. Students must also register for seminar every semester. In the last semester of study, students must register for Professional Paper (CHEM 5973). Students then will write a paper and defend it to their committee. A minimum of 36 credits is required. This degree plan is suggested for those who wish to pursue a career in teaching, health sciences, sales or other non-research scientific fields.

Required Courses (15 SCH)		
Select 15 semester credit hours from the following:		12
CHEM 5013	Advanced Physical Chemistry	
CHEM 5213	Advanced Organic Chemistry	
CHEM 5323	Advanced Analytical Chemistry	
CHEM 5523	Advanced Inorganic Chemistry	
CHEM 5613	Advanced Biochemistry I	
CHEM 5623	Advanced Biochemistry II	
Completion of Track		
CHEM 5101	Seminar	1

CHEM 5973	Professional Paper	3
Electives		
To complete the total of 36 semester credit hours, additional courses must be taken. In addition to CHEM courses from the above list not taken as a required course, below are some additional suggested courses – others may be taken upon approval of advisor. Students must take a minimum of 20 credit hours. A maximum of 6 credit hours are allowed for Chemistry Research.		20
CHEM 5891	Research in Chemistry	
CHEM 5893	Research in Chemistry	
BIOL 5014	Advanced Bioinformatics and Computational Biology	
BIOL 5123	Biostatistics	
BIOL 5333	Advanced Pathophysiology	
MATH 5033	Advanced Calculus	
MATH 5423	History of Mathematics	
MATH 5513	Matrix Algebra	
MATH 5543	Symbolic Logic	
Total Semester Credit Hours		36

Business Track

All students in the course work with business track must complete five basic courses for a total of fifteen credits. Additional graduate courses in chemistry, biology and in the School of Business will be taken upon the approval of their advisor for a total of 25-27 credits. At least twelve credits must be from the School of Business. Up to six credits can be from Research in Chemistry. In the first year of studies, coursework track students must choose an advisor. Students must also register for seminar every semester. In the last semester of study, students must register for Professional Paper. Students then will write a paper and defend it to their committee. A minimum of 36 credits is required. This degree plan is ideal for those wishing to move up the administrative ladder in a pharmaceutical or chemical company.

Required Courses (15 SCH)		
Select 15 semester credit hours from the following:		12
CHEM 5013	Advanced Physical Chemistry	
CHEM 5213	Advanced Organic Chemistry	
CHEM 5323	Advanced Analytical Chemistry	
CHEM 5523	Advanced Inorganic Chemistry	
CHEM 5613	Advanced Biochemistry I	
CHEM 5623	Advanced Biochemistry II	
Completion of Track		
CHEM 5101	Seminar	1
CHEM 5973	Professional Paper	3
Electives		
In addition to the above, students must take at least 12 semester credit hours of business courses from the list below. A maximum of 6 credit hours are allowed for Chemistry Research. Other courses may be take with approval of advisor.		20
CHEM 5891	Research in Chemistry	
CHEM 5893	Research in Chemistry	
BUS 5133	Marketing Management	
BUS 5243	Managerial Finance	
BUS 5433	Managerial Accounting	
BUS 5453	Business Leadership	
BUS 5663	Managerial Decision Making	
BUS 5933	Business Ethics and Legal Environment	
Total Semester Credit Hours		36

Department of English, Speech, and Foreign Languages

Web Site: http://www.twu.edu/english-speech-foreign-languages/

Chair: *M. Genevieve West, Professor*
Location: *CFO 906*
Phone: *940-898-2324*
Fax: *940-898-2297*
E-mail: *gwest@twu.edu*

Graduate Degrees Offered

- M.A. in English (p. 92)
- M.A.T. (emphasis in English) (p. 94)
- Ph.D. in Rhetoric (p. 94)

The Department of English, Speech, and Foreign Languages offers programs of study leading to the Master of Arts degree in English and to the Doctor of Philosophy in Rhetoric. The major objectives of the department include both the provision of broad cultural foundations and the preparation of students for a variety of careers: teaching, administration, publishing, business, and government service. The department emphasizes literature, composition, and rhetoric. The M.A. student may specialize in British or American literature or in rhetoric. The Ph.D. student specializes in rhetoric. The department's emphasis on rhetoric is a coordinating force among the basic issues within each field offered in the department. Students without appropriate undergraduate preparation will be asked to complete a deficiency plan of 12-15 hours of undergraduate courses in English prior to beginning graduate course work.

Admissions

Admission Requirements

Students interested in applying to graduate programs in English and Rhetoric are encouraged to contact the appropriate program coordinator (http://www.twu.edu/gradschool/admission-requirements.asp) prior to applying. All applications are considered in toto as the department seeks to meet the needs of diverse students. Writing samples and statements of purpose are of particular importance in the application process. GRE scores noted below are *preferences* and are considered in light of other application materials.

All students must meet the general admission requirements (p. 56) of the Graduate School at TWU. Students applying to either graduate program who lack the appropriate foundational degree (the bachelor's or master's) in English, literature, writing or rhetoric may be required to complete a deficiency plan prior to beginning graduate courses in English. Specific requirements depend on an individual student's undergraduate course work in the discipline but may include 12-15 hours. Additional information on deficiency plans may be obtained from the appropriate program coordinator.

Graduate Assistantships (http://www.twu.edu/gradschool/graduate-assistants.asp) and Teaching Assistantships (http://www.twu.edu/gradschool/graduate-assistants.asp) are available to students enrolled in both programs. Assistantships (http://www.twu.edu/gradschool/graduate-assistants.asp) are competitive as they provide stipends and out-of-state tuition waivers. For best consideration, students are encouraged to apply for assistantships *at the same time they apply to the program*. Additional information about types of work available and expectations can be obtained from the program coordinator. Please forward your application (http://www.twu.edu/gradschool/applying-for-asst.asp) to the department chair at gwest@twu.edu. A personal interview may be required for graduate students who are seeking an assistantship.

MA in English

Departmental application requirements for the MA include the following: a bachelor's degree from a regionally accredited institution, a preferred score of 500 (153, Revised GRE) on the verbal section of the GRE and a preferred score of 350 (138, Revised GRE) on the quantitative section of the GRE; a minimum of a 3.0 grade point average required on previous upper division and graduate work; official transcripts; three letters of recommendation; an academic writing sample and statement of purpose; and a score of 600 on TOEFL for international students. Please note: The department will waive the GRE requirement for students with a bachelor's degree in English, Rhetoric, Literature, or Writing ***and*** a GPA of 3.75 or higher in the major from a regionally accredited institution.

M.A. applications are reviewed three times per year. Applications are due by July 1 for Fall admission, November 1 for Spring admission, and April 1 for Summer admission.

PhD in Rhetoric

Departmental application requirements for the PhD include the following: a master's degree from a regionally accredited institution, a preferred score of 500 (153, Revised GRE) on the verbal section of the GRE and a preferred score of 350 (138, Revised GRE) on the quantitative section of the GRE; a minimum of a 3.0 grade point average required on previous upper division and graduate work; official transcripts; three letters of recommendation; an

academic writing sample and statement of purpose; and a score of 600 on TOEFL for international students. Admission to the program is competitive as program size is limited.

Doctoral applications are reviewed once per year and are due by February 1.

Minors

Minor Offered to Students from Other Departments

The department offers master's and doctoral-level minors in English. The needs of the individual graduate student determine the contents of a minor.

Courses

ENG 5033. Chaucer. Major works of Chaucer studied as literature and as linguistic examples of Middle English; attention to significant scholarship and criticism. May be repeated for credit when the specific works to be studied vary. Three lecture hours a week. Credit: Three hours.

ENG 5083. Bibliography and Research Methods. Methods of research, with focus on techniques appropriate to the thesis or dissertation. May be repeated for up to twelve hours credit. Three lecture hours a week. Credit: Three hours.

ENG 5103. Introduction to Graduate Studies in English. Introduction to English study at the graduate level, with attention to scholarly conventions and to common analytical and critical practices. Required enrollment in first fall semester. Three seminar hours a week. Credit: Three hours.

ENG 5123. Medieval Drama. Directed investigation of a problem in the dramatic and non-dramatic literature of the sixteenth century. May be repeated for credit when the specific topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 5143. Drama of the Restoration and the Eighteenth Century. Representative comedies, tragedies, and other plays studied as reflections of the literary trends of the period. Attention to significant criticism and to the position of this drama in the development of the English drama. Three lecture hours a week. Credit: Three hours.

ENG 5153. Studies in Twentieth-Century American and British Literature. Directed investigation of a topic relating to a trend, a work, a genre, or an author in twentieth-century American and/or British literature. May be repeated for credit when the topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 5173. Studies in Ethnic, Multicultural, and Cross Cultural Literature. Literature in English by authors whose work reflects the experience of ethnic or minority groups. Focus on themes, genres, particular groups, authors, or historical periods. May be repeated for credit when specific topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 5213. Studies in the English Renaissance. Directed investigation of a problem in the dramatic and non-dramatic literature of the sixteenth century. May be repeated for credit when the specific topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 5223. Studies in Seventeenth-Century Poetry and Prose. Directed investigation of a problem in the literary career of a writer, in a single work, or in an aspect of the century related to literature. May be repeated for credit when the specific topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 5233. Studies in the Literature of the Eighteenth Century. Directed investigation of a problem relating to such subjects as an author, a work, a genre, an idea, a critical principle, an aesthetic theory. May be repeated for credit when the specific topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 5243. Studies in the Romantic Period. Directed investigation of a topic related to genre, style, thought, critical theory, and the interrelationship of the artist and his or her art in the Romantic Period or to a major poet, such as Blake, Wordsworth, Coleridge, Byron, Shelley, or Keats. May be repeated for credit when the specific topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 5253. Studies in Victorian Period. Directed investigation of a topic related to genre, style, thought, critical theory, and the interrelationship of the artist and his or her art in the Victorian Period, or major authors. May be repeated when the topic varies. Three lecture hours a week. Credit: Three hours.

ENG 5263. Studies in American Literature. Directed investigation of a problem in the literary career of a writer, in a work, or in a trend in American literature. May be repeated for credit when the specific topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 5273. Studies in Fiction. Directed investigation of a problem in English or American fiction in the eighteenth, nineteenth, and/or twentieth centuries. May be repeated for credit when the specific topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 5283. Studies in Literary Criticism. The schools of criticism, focusing on postmodern criticism; the application of some critical theories to the practice of rhetoric; critical theory in a given period. Three lecture hours a week. Credit: Three hours.

ENG 5333. Studies in Writing in Networked Environments. Classroom and business application of rhetorical principles to writing for Internet, electronic communication, and information systems. Emphasis on audience, genre, style, and arrangement. Three seminar hours a week. Credit: Three hours.

ENG 5343. Rhetoric and Composition: Theory and Practice. Introduction to theory and research in rhetoric and composition with special emphasis on preparation for teaching college composition. Three lecture hours a week. Credit: Three hours.

ENG 5353. Rhetoric and Composition: Theory and Pedagogy of Electronic Texts. Rhetorical theories and techniques of teaching with non-print texts, particular attention to writing and literature. Investigates interactions between text and image. May be repeated for credit when topics vary. Prerequisite: ENG 5343. Three lecture hours a week. Credit: Three hours.

ENG 5363. Studies in Linguistics. Directed investigation of problems such as feminism and language, pragmatics, discourse analysis, linguistics, and composition. May be repeated for credit when the specific topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 5373. Professional and Academic Communication. Topics such as managerial communication, academic writing, and technical writing. Projects develop writing and communication skills in the student's discipline. May be repeated when topic varies. Three seminar hours a week. Credit: Three hours.

ENG 5393. Women and American Literature. Focus on changing images of female characters and on contributions of female writers throughout American literature. Emphasis may be on fiction or on poetry and drama. May be repeated for credit when the topic varies. Three lecture hours a week. Credit: Three hours.

ENG 5703. Studies in Folklore. Focus on the major aspects of folklore, particularly the transmission of knowledge and cultural values through the oral tradition. Special emphasis on the impact of folklore on literature. May be repeated for credit when the specific topic of the investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 5713. Old and Middle English Language and Literature. Topics in language and literature before 1500 including history and development of the language before 1500, and survey of Old and Middle English literature. Three lecture hours a week. Credit: Three hours.

ENG 5801. Directed Readings in English. Directed readings in preparation for the Master's Examination. Prerequisite: 18 graduate hours in English with a grade of B or higher. One lecture hour a week. Credit: One hour.

ENG 5903. Special Topics. Investigation in traditional lecture format of a specific literary or linguistic topic. May be repeated for credit when the specific topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 5913. Independent Study. Intensive investigation of a literary or linguistic area. Conferences, readings, lectures. May be repeated for credit when the specific topic of investigation varies. Credit: Three hours.

ENG 5953. Cooperative Education. Cooperative work-study arrangements between the University and business, industry, or selected institutions appropriate to the graduate English program. Job assignments are made on the basis of student interests, skills, and degree program. The student will apply the ideas and processes learned in other courses in practical experience under cooperative supervision. Cooperative planning and evaluation are essential elements in the course. For three hours of credit, 15-20 hours of work per week are required. Credit: Three hours.

ENG 5973. Professional Paper. May be repeated. Credit: Three hours.

ENG 5981. The Professional Portfolio. Development of a professional portfolio by students in the Master of Arts in Teaching program demonstrating the student's growth in the Learner-Centered Competencies. Pass-fail grade only. May be repeated. Credit: One hour.

ENG 5983. Thesis. May be repeated. Credit: Three hours.

ENG 5993. Thesis. Prerequisite: ENG 5983. May be repeated. Credit: Three hours.

ENG 6063. Writing in the Discipline. Development of documents common in rhetorical and literary studies. Genres may include CV, job application materials, abstracts, book reviews, prospecti, presentations, articles, and teaching philosophies. Prerequisite: Six hours of graduate level coursework with a grade of B or higher. Three lecture hours a week. Credit: Three hours.

ENG 6083. Research Methods in Rhetoric and Composition. Students design and conduct research through methods such as textual, ethnographic, historical, and empirical analysis in rhetoric and composition. Students learn to discriminate among types of research, examine scholarship critically, and select appropriate research designs. Seminar and research projects. Three seminar hours a week. Credit: Three hours.

ENG 6123. Milton. The major poetic works and selected prose works of John Milton, against the background of seventeenth-century English life. Attention to significant scholarship and criticism. Three lecture hours a week. Credit: Three hours.

ENG 6203. History of Rhetoric I. Foundations of ancient and classical rhetoric. Readings in Plato, Aristotle, Quintilian, and others. Three lecture hours a week. Credit: Three hours.

ENG 6213. History of Rhetoric II. Historical survey of rhetoric from the medieval period through the Renaissance. Readings in medieval rhetorical handbooks, schools in Renaissance, humanism, poetics, and rhetoric in the seventeenth century. Three lecture hours a week. Credit: Three hours.

ENG 6223. History of Rhetoric III. Historical survey of rhetoric from the Enlightenment to the present. Readings in Locke, Vico; contributions of Blair, Campbell, and Whatley; pulpit oratory; elocution; American composition and rhetoric; new perspectives; contemporary rhetorical strategies; invention as discourse theory. Three lecture hours a week. Credit: Three hours.

ENG 6313. Studies in Rhetorical Criticism and Discourse Analysis. Directed investigation of topics in semiotics, narratology, discourse analysis, and stylistics as approaches to written texts and other forms of symbolic communication. May be repeated for credit when the specific topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 6323. Studies in Feminist Rhetoric. Directed investigation of problems in feminism and rhetoric such as feminist histories of rhetoric, feminist rhetorical theories, feminist composition pedagogy, feminism and technology, and feminist epistemology. May be repeated for credit when the specific topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 6343. Major Rhetorical Theories. Intensive investigation of selected major rhetoricians and schools of rhetorical thought within the history and development of rhetoric. Prerequisite: ENG 6203 or permission of instructor. May be repeated for credit up to 12 hours when specific topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 6733. Studies in the Profession of Rhetoric and Composition. Current theoretical issues and skills needed for professions in academic and non-academic settings, such as administering writing programs, designing cross-discipline writing programs, or pursuing careers in writing and editing in business settings. May be repeated for credit when topic of investigation varies. Three lecture hours a week. Credit: Three hours.

ENG 6801. Directed Readings in Rhetoric. Directed readings in an area of literary and/or rhetorical studies. Student must be concurrently completing or have completed all required organized courses. May be taken twice for credit. One lecture hour a week. Credit: One hour.

ENG 6903. Special Topics. Three lecture hours a week. Credit: Three hours.

ENG 6913. Independent Study. Intensive investigation of a literary, rhetorical, or linguistic area. Conferences, readings, lectures. May be repeated for credit when the specific topic of investigation varies. Prerequisites: Graduate standing and an undergraduate concentration in English. Credit: Three hours.

ENG 6983. Dissertation. Prerequisite: Successful completion of the qualifying examination. May be repeated for additional credit. Credit: Three hours.

ENG 6993. Dissertation. May be repeated for additional credit. Prerequisite: ENG 6983. Credit: Three hours.

Faculty

Professors

BRIDGES, PHYLLIS J., Cornaro Professor of English. B.A., West Texas A&M University; M.A., West Texas A&M University; Ph.D., Texas Tech University.

SOURIS, STEPHEN W., Professor of English. B.A., Harvard University; M.A., University of Michigan, Ann Arbor; Ph.D., University of Wisconsin, Madison.

THOMPSON, LOU A., Professor of English. B.A., University of North Texas; M.A., Louisiana State University; Ph.D., Texas Christian University.

WEST, M. GENEVIEVE, Professor of English; Chair of the Department of English, Speech, and Foreign Languages. B.A., Mississippi State University; M.A., Mississippi State University; Ph.D., Florida State University.

Associate Professors

CASPER, VIVIAN C., Associate Professor of English. B.A., Washburn University; M.A., Rice University; Ph.D., Rice University.

FEHLER, BRIAN, Associate Professor of English. B.A., Texas Wesleyan University; M.A., Texas Christian University; Ph.D., Texas Christian University.

GREER, RUSSELL, Associate Professor of English. A.B.J., University of Georgia; A.L.M., Harvard University; Ph.D., University of Georgia.

LITTON, ALFRED GUY, Associate Professor of English; Executive Director of Honors Programs. B.A., University of Arkansas; M.A., University of Central Arkansas; Ph.D., University of South Carolina, Columbia.

Assistant Professors

BROWN, MATTHEW C., Assistant Professor of English. B.A., University of Florida; B.S., University of Florida; M.A., University of Toronto; Ph.D., University of Notre Dame.

BUSL, GRETCHEN L., Assistant Professor of English. B.A., Mount Holyoke College; Ph.D., University of Notre Dame.

LACKEY, DUNDEE C., Assistant Professor of English. B.F.A., Texas State University; M.A., Texas A&M University, Corpus Christi; Ph.D., Michigan State University.

SCOTT, GRAHAM R., Assistant Professor of English. B.A., California State University, San Bernardino; M.A., University of California, Riverside; Ph.D., University of California, Riverside.

Master of Arts in English

Total Semester Credit Hours Required

30 or 36 semester credit hours beyond the baccalaureate depending on option selected.

Options

Thesis

30 semester credit hours, including 24 semester credit hours of course work, 6 semester credit hours for thesis, 2-hour oral exam.

Professional Paper

36 semester credit hours, including 33 semester credit hours of course work, 3 semester credit hours for professional paper, 3-hour written comprehensive examination.

Course work

36 semester credit hours of course work, 3-hour written comprehensive examination.

Major/Emphasis

18-36 semester credit hours.

Minor

6-9 semester credit hours, optional.

Core Course Requirement

ENG 5083, in all options

ENG 5103, in all options

Special Requirement

For M.A. in English, competency in one research tool is required. Students must earn a grade of "B" or better in all research tool courses.

Research Tools

Students select one of the following options:

1. 12 semester credit hours in the same foreign language at the undergraduate level or 6 semester credit hours at the graduate level (or the equivalent on a proficiency examination)
2. 6 semester credit hours of graduate-level American Sign Language
3. 6 semester credit hours of graduate-level computer science
4. 6 semester credit hours of graduate-level library science
5. 6 semester credit hours of graduate-level English courses selected from this list: ENG 5713, ENG 5283, ENG 5343, ENG 5353, ENG 5373, ENG 6083, and ENG 6913.

Final Examination

For M.A. in English, a two-hour oral examination which covers course work and thesis (thesis option) or a three-hour written comprehensive examination (non-thesis options). The examinations will be taken during the last semester of coursework.

Master of Arts in English Program of Study (30 or 36 semester credit hours)

The MA in English at Texas Woman’s University is a flexible program with only one required core course. All other courses should be chosen in consultation with the advisor to advance the student’s personal and professional goals.

Thesis option (30 semester credit hours of course work and thesis)

ENG 5083	Bibliography and Research Methods	3
Research Tool requirement		
ENG 5103	Introduction to Graduate Studies in English (Required)	3
Electives		18
ENG 5983	Thesis	3
ENG 5993	Thesis	3
Total Semester Credit Hours		30

Professional Paper option (33 semester credit hours of course work and professional paper)

ENG 5083	Bibliography and Research Methods	3
Research Tool requirement		
ENG 5103	Introduction to Graduate Studies in English (Required)	3
Electives		27

ENG 5973	Professional Paper	3
Total Semester Credit Hours		36

Course work option (36 semester credit hours of course work)

ENG 5083	Bibliography and Research Methods	3
Research Tool requirement		
ENG 5103	Introduction to Graduate Studies in English (Required)	3
Electives		30
Total Semester Credit Hours		36

Master of Arts in Teaching (emphasis in English)

The Department of English, Speech, and Foreign Languages offers 7-12 English/Language Arts teacher certification. All post-baccalaureate and graduate students seeking certification in 7-12 English/Language Arts must comply with admission standards required by major department, College of Professional Education, and Teacher Education Program. M.A.T. (emphasis in English) students generally take 9 hours of graduate courses in English. Students should seek the advice of their advisor in the English department when selecting which graduate-level English courses to take. The remaining courses are offered in the College of Professional Education. Students seeking the M.A.T. (emphasis in English) without appropriate undergraduate preparation will be asked to complete a deficiency plan of 12-15 hours of undergraduate courses in English prior to beginning graduate course work.

Master of Arts in Teaching (M.A.T.) Program of Study (32 or 38 minimum semester credit hours)

Code	Title	Semester Credit Hours
Pedagogy and Professional Responsibilities		
EDUC 5113	Foundations of Teaching and Learning	3
EDUC 5123	Learning Theory, Development, and Research	3
EDUC 5131	Technology in Assessment and Instruction	1
EDUC 5133	Assessment and Instructional Design and Delivery for Diverse Learners	3
EDUC 5143	Effective Design and Management of the Classroom Environment (EC-12)	3
EDUC 5173	Diversity in the Classroom	3
Academic Specialization		
This is coursework in the field of study. Students will take the Texas Exam of Educator Standards (TExES) in their field of study before or during their first semester in the program.		9
Field-Based Experience		
A full-time, one-semester unpaid professional practicum in a school setting. (All coursework must be completed before beginning student teaching.)		
OR		
A full-time, two-semester internship (6 semester credit hours) in a school setting in which the student is employed and paid as the teacher of record. (This option requires that 12 semester credit hours of pedagogy courses must be completed.)		6-12
Professional Portfolio and Final Assessment		
Each student will maintain a professional portfolio throughout her or his program. The completed portfolio must be submitted for evaluation prior to graduation.		1
Total Semester Credit Hours		32-38

Doctor of Philosophy in Rhetoric

Total Semester Credit Hours Required

At least 90 semester credit hours beyond the baccalaureate, including 12 semester credit hours for dissertation.

Minor

A minor is optional (six to nine semester credit hours). It must be in a discipline that offers a graduate degree. Accordingly, one cannot minor in, say, literary theory or linguistics. To be able to teach the subject of one's minor at the college level in Texas, one would probably need eighteen semester

credit hours of course work. Consult the "Graduate Catalog" for additional information about minors. Students should discuss the value of a minor with their advisors.

Research Tools

Two research tools are required. Students must earn a "B" or better in all research tool courses.

Residence Requirements

Students are strongly encouraged to enroll full time for at least two consecutive semesters.

Qualifying Examination

The Qualifying Examination is administered at the close of course work after the student has met the research tools requirement. Students must be enrolled at TWU in order to take the exam. The examination may be taken only during April, July, or November of each year. The written examination has three parts: Historical/Theoretical Rhetoric, Applied Rhetoric, and the student's Area of Specialization. For the Area of Specialization, the student may choose a literary period, a topic, a practice, or a question that crosses texts and artifacts (in the broadest sense) and remains grounded in the social, historical, cultural, critical and theoretical texts that inform them. Students submit a formal written proposal (which requires approval) for the Area of Specialization well in advance of the examination process. Within one month of successfully completing all three portions of the written examination, an oral examination is held. Students may attempt the exam (in whole or in part) twice. Failing the qualifying exam (in whole or in part) twice will result in the student being removed from the program.

Dissertation Defense

A public oral examination covering the area of the completed dissertation and areas related to it.

Research Tools

Students choose two of the following options (may choose the same option twice):

1. 6 semester credit hours of graduate or 12 semester credit hours of undergraduate courses in the same foreign language or equivalency examination
2. 6 semester credit hours of graduate-level American Sign Language or equivalency examination
3. 6 semester credit hours of graduate-level computer science
4. 6 semester credit hours of graduate-level library science
5. 6 semester credit hours of graduate-level English courses. Select from ENG 5713, ENG 5283, ENG 5343, ENG 5353, ENG 5373, ENG 6083, and ENG 6913.

English courses taken as research tools will count towards the 90 semester credit hours of the degree; however, other courses (foreign language, computer science, and library science) will not count towards the 90 semester credit hours of the degree major.

Doctor of Philosophy in Rhetoric Program of Study (90 semester credit hours)

Rhetoric Core		24
Minimum of 24 semester credit hours in historical, theoretical, and applied rhetoric		
ENG 5343	Rhetoric and Composition: Theory and Practice	
ENG 5353	Rhetoric and Composition: Theory and Pedagogy of Electronic Texts	
ENG 6203	History of Rhetoric I	
ENG 6213	History of Rhetoric II	
ENG 6223	History of Rhetoric III	
ENG 6083	Research Methods in Rhetoric and Composition	
Area of Specialization		15
Minimum of 15 semester credit hours chosen in consultation with the advisor and advisory committee		
Theory Component		3
Choose from ENG 5283, ENG 6343, and ENG 6313		
Professionalization		3
ENG 5103	Introduction to Graduate Studies in English (required of all doctoral students who have not already had a similar course)	
Independent Study Option		3
In consultation with the advisory committee chair, a student may elect to take a three hour indpendent study course to prepare for comprehensive exams. If a student perfers not to take this option, s/he may take an additional course in the area of specialization.		
Electives		30
To complete 90 semester credit hours beyond bachelor's degree.		

Dissertation	12
Minimum of 12 semester credit hours	
Total Semester Credit Hours	90

Department of History and Government

Web Site: http://www.twu.edu/history-government/

Chair: *Jonathan Olsen, Professor*
Location: *CFO 605*
Phone: *940-898-2133*
Fax: *940-898-2130*
E-mail: *historygov@twu.edu*

Graduate Degrees Offered

- M.A. in History (p. 100)
- M.A. in Government (p. 102)

The Department of History and Government offers two master's degrees, one in history and one in government. A minor in either history or government is also available to master's-level graduate students. Students in other graduate departments are welcome to take graduate courses in the department with the consent of the instructor.

The M.A. in government provides a postgraduate study of U.S. and global politics, political processes, and government institutions. In history, the M.A. emphasizes social and political history in the United States, Europe, Latin America, and the Caribbean. The extensive Women's Collection at the Blagg-Huey Library is an excellent research resource for graduate students. Students are encouraged by the faculty to consider courses from other disciplines outside the department as part of their graduate program. Course selection should be made with the advice and approval of the student's graduate committee.

The department's programs include internships in both the public and private sectors and opportunities to participate in oral history projects.

Admissions

Admission Requirements

Please see the admission's section (p. 56) in this catalog. In addition to these general requirements, the Department of History and Government requires the following for admission to its graduate degree programs:

1. A student's record overall clearly should reflect the ability to pursue advanced study, conduct research, and write effectively in the field selected.
2. Applicants should document a strong preparation in the liberal arts.
3. The applicant is expected to have at least a 3.25 average in the last 60 semester credit hours of course work and at least 12 semester credit hours of upper-division undergraduate or graduate work in the major field.
4. Applicants are required to submit a statement of purpose to the department. Two letters of recommendation are required. Applicants who do not meet the above prerequisites at the time of application may, under exceptional circumstances, be recommended for provisional admission by the department.

Minors

Minors Offered to Students from Other Departments

Master's level

All minors must be approved by the student's graduate committee and must include at least 6 graduate semester credit hours in history.

Government Courses

GOV 5003. Comparative Politics. Review of major theoretical models and approaches in the field of comparative politics including group politics, elite analysis, class analysis, structural functional analysis, and systems theory with emphasis upon modernization and political development. Three seminar hours a week. Credit: Three hours.

GOV 5013. American National Defense Policy. Review of alternative theories of American national defense policy with emphasis upon historical development of current U.S. policy, including nuclear strategies, mutual defense agreements, regional conflicts, guerilla warfare, terrorism, and protection of strategic resources. Three lecture hours a week. Credit: Three hours.

GOV 5033. Research Methods in Government. Examination of methodology used in Government/Political Science research. Prerequisite: Must be taken in the first 12 hours of graduate study. Three seminar hours a week. Credit: Three hours.

GOV 5053. The Presidency and Public Policy. Personnel politics and policy process of the executive branch. Advanced reading, research, and group discussion. Three lecture hours a week. Credit: Three hours.

GOV 5063. Political Women. The participant style, background, perspective, and role of female political elite. Current status of the Constitutional rights of women, women's political issues, and women's pressure groups. Three lecture hours a week. Credit: Three hours.

GOV 5073. Issues in Constitutional Law. Review and examination of selected issues in U.S. constitutional development including judicial politics, governmental structure, judicial review, separation of powers, federalism, due process, equal protection, and individual liberties. Three seminar hours a week. Credit: Three hours.

GOV 5093. Law, Gender, and Sexuality. Evolution of legal rights for women and sexual minorities and theoretical issues raised in concrete legal cases. Examination of debates over equality approaches in law; ways in which law constructs gender and sexuality; and the intersecting roles of gender, sexuality, and race in legal doctrine and theory. Three lecture hours a week. Credit: Three hours.

GOV 5133. Leadership and Women. An examination of the principles and exercise of leadership. Emphasis on women as leaders. Three lecture hours a week. Credit: Three hours.

GOV 5183. Civil War: Culture, History, and Law. Social, political, and legal context of the War between the States. Analysis of southern secession from the Union, the struggle to restore the Union, and the political and legal struggles of former slaves and their descendants. Three seminar hours a week. Credit: Three hours.

GOV 5193. Rights, Race, and Social Justice. Interpretations of the utility of constitutional rights in movements for social justice, with special attention to struggles for racial equality. Readings in legal studies, social sciences, critical legal studies, and critical race theory that address the relationship of legal rights and change. Three lecture hours a week. Credit: Three hours.

GOV 5303. Problems in the Legislative Process. Legislative decision making in selected areas of public policy; appraisals of strengths and weaknesses in the American legislative process. Three lecture hours a week. Credit: Three hours.

GOV 5413. Civil Rights: Culture, History, and Law. Social, political, and legal concepts of the Civil Rights Movement; historical and legal issues of Jim Crow laws, Plessy vs. Ferguson, and Brown vs. Board of Education Supreme Court decisions; peaceful protests; forms of social disorder in a quest for equal rights. Three seminar hours a week. Credit: Three hours.

GOV 5423. Native Americans: Culture, History, and Law. Relations between European settlers and Native American tribes with emphasis on cultural differences, land use, and government-tribe relations. Three seminar hours a week. Credit: Three hours.

GOV 5473. Vietnam War: Culture, History, and Law. Historical context of American involvement in the Vietnam conflict; political decisions of the Kennedy, Johnson, and Nixon administrations; impact of the war on political protest and social unrest; courts resolution of related controversies; legacy of the war. Three seminar hours a week. Credit: Three hours.

GOV 5483. War, National Security, and Civil Liberties. Public policy solutions regarding the balance between maintaining national security and protecting civil liberties; history of the nation's attempts to evaluate security policies from colonial times to current events. Three seminar hours a week. Credit: Three hours.

GOV 5523. American International Relations. The revolution in American foreign policy in the twentieth century; America's leading role in the world today. Three lecture hours a week. Credit: Three hours.

GOV 5723. Seminar in Political Theory. A study of contemporary debates concerning fundamental political issues and principles of good government; analysis and discussion of ideas on class, race, sex, power, citizenship, and justice. May be repeated for credit when topics vary. Three lecture hours a week. Credit: Three hours.

GOV 5753. Age of Industrialism. Historical, cultural, and legal context for transformation of United States to urbanized, industrial power between 1870 and 1920; impact of railroads, the "Robber Barons," and struggles between organized labor and management. Three seminar hours a week. Credit: Three hours.

GOV 5833. Seminar in Government. Individual research topics; methodology and bibliography. May be repeated for credit when topics vary. Three seminar hours a week. Credit: Three hours.

GOV 5903. Special Topics. Organized course with each section's title and content varying with specific subject matter and topic offered. May be repeated for credit when topics vary. Three lecture hours a week. Credit: Three hours.

GOV 5911. Independent Study. Independent study of selected topics in government. May be repeated for credit when topics vary. Credit: One hour.

GOV 5913. Independent Study. Independent study of selected topics in government. May be repeated for credit when topics vary. Credit: Three hour.

GOV 5933. Internship. Supervised practical experience, related to the academic and career objectives of the student, in a public or private agency. A paper will be required. May be repeated for a total of six hours. Eight practicum hours a week. Credit: Three hours.

GOV 5936. Internship. Supervised practical experience, related to the academic and career objectives of the student, in a public or private agency. Sixteen practicum hours a week. Credit: Six hours.

GOV 5973. Professional Paper. The research and writing of a professional paper by each student on a topic selected jointly by the student and the instructor. Credit: Three hours.

GOV 5983. Thesis. Credit: Three hours.

GOV 5993. Thesis. Prerequisite: GOV 5983. Credit: Three hours.

History Courses

HIST 5003. Studies in 19th Century U.S. A study of the 19th century with discussion and analysis of various historians' interpretations of the same events. Increased knowledge of the events of this period and the study of how one writes history. May be repeated for credit when topics vary. Three seminar hours a week. Credit: Three hours.

HIST 5023. Colonial America in an Atlantic World. A cross-cultural study of colonial America; the varied social, economic, political, and cultural experiences of Africans, Europeans, and Native Americans from 1450 through 1763. Three lecture hours a week. Credit: Three hours.

HIST 5033. Research Methods in History. Research trends, methods, and theories in historical inquiry. Prerequisite: Must be taken in the first 12 hours of graduate study. Three seminar hours a week. Credit: Three hours.

HIST 5083. Studies in 20th Century America. Examination through directed discussions of selected topics on the political, social, and cultural aspects of the American experience since the turn of the century with particular emphasis on reform and social change. May be repeated for credit when topics vary. Three seminar hours a week. Credit: Three hours.

HIST 5093. Women in Early America. Critical analysis of the lives and experiences of Native American, African-American, and European-American women from 1600 through 1830 through the lenses of race, sexuality, identity, labor, spirituality, and legal status. Three seminar hours a week. Credit: Three hours.

HIST 5103. Renaissance and Reformations. Cross-cultural study of European culture and society from 1350-1600; Italian, French, Dutch, English, and German artistic achievements, social and political development, and religious reformations compared and contrasted. Three seminar hours a week. Credit: Three hours.

HIST 5123. Religion in an Atlantic World, 1450-1776. Cross-cultural study of religious ideas and practice in colonial America from the pre-Columbian era through 1776; varied religious experiences of indigenous groups, Spanish, French, English, Dutch, and German colonists, and enslaved African Americans are compared and contrasted. Three seminar hours a week. Credit: Three hours.

HIST 5143. Early National Period. Creation of a new government from traditional historians' views of John and Abigail Adams, Thomas Jefferson, Sally Hemmings, Alexander Hamilton, and others. Three seminar hours a week. Credit: Three hours.

HIST 5183. Civil War: Culture, History, and Law. Social, political, and legal context of the War between the States. Analysis of southern secession from the Union, the struggle to restore the Union, and the political and legal struggles of former slaves and their descendants. Three seminar hours a week. Credit: Three hours.

HIST 5203. Jefferson to Jackson. Period from Thomas Jefferson to Andrew Jackson; historical events concerning the political and social circumstances with a young government. Three seminar hours a week. Credit: Three hours.

HIST 5253. History of France. Critical analysis of early French history and culture including the Roman conquest, medieval France, the growth of the French monarchy, the Renaissance, the Age of Louis XIV, and the Enlightenment. Three seminar hours a week. Credit: Three hours.

HIST 5303. Progressives. The early twentieth century era and its social movements; politics, gender, and race issues along with the nation's foreign policy and the continuity of society's social development from a historical perspective. Three seminar hours a week. Credit: Three hours.

HIST 5333. The Gilded Age. Transformation from an agricultural economy to the mercantile society of American industrialism; impact of speculators, entrepreneurs, industry leaders, and railroad promoters. Three seminar hours a week. Credit: Three hours.

HIST 5403. American Experience in World War II. How America shaped the War and how the War shaped America including military, social, political, and economic aspects; traditional historians' view on the period. Three lecture hours a week. Credit: Three hours.

HIST 5413. Civil Rights: Culture, History, and Law. Social, political, and legal concepts of the Civil Rights Movement; historical and legal issues of Jim Crow laws, Plessy vs. Ferguson, and Brown vs. Board of Education Supreme Court decisions; peaceful protests; forms of social disorder in a quest for equal rights. Three seminar hours a week. Credit: Three hours.

HIST 5423. Native Americans: Culture, History, and Law. Relations between European settlers and Native American tribes with emphasis on cultural differences, land use, and government-tribe relations. Three seminar hours a week. Credit: Three hours.

HIST 5473. Vietnam War: Culture, History, and Law. Historical context of American involvement in the Vietnam conflict; political decisions of the Kennedy, Johnson, and Nixon administrations; impact of the war on political protest and social unrest; courts resolution of related controversies; legacy of the war. Three seminar hours a week. Credit: Three hours.

HIST 5483. War, National Security, and Civil Liberties. Public policy solutions regarding the balance between maintaining national security and protecting civil liberties; history of the nation's attempts to evaluate security policies from colonial times to current events. Three seminar hours a week. Credit: Three hours.

HIST 5503. Between the Wars. Social, political, and economic history of the U.S. and the wars for particular eras; consumerism, conflicts, music, and literature during the interwar time period. Three lecture hours a week. Credit: Three hours.

HIST 5703. U.S. Since 1945. Social, political, economic, and multicultural history of the United States from 1945 to September 11th; the Cold War and its influence on American politics, beliefs, and post-Cold War realities; military conflicts, foreign policy, multicultural experiences, and domestic challenges. Three lecture hours a week. Credit: Three hours.

HIST 5753. Age of Industrialism. Historical, cultural, and legal context for transformation of United States to urbanized, industrial power between 1870 and 1920; impact of railroads, the "Robber Barons," and struggles between organized labor and management. Three seminar hours a week. Credit: Three hours.

HIST 5803. Oral History Methodology. Theories, methods, and debates surrounding the oldest historical tool, oral history; methodology for conducting oral histories, debate, and completing transcripts; consideration of privacy, storage, and accessibility. Three lecture hours a week. Credit: Three hours.

HIST 5863. Studies in Women's History. Study of shifting roles of women and their struggle for equality in relationship to changes in social, economic, and political institutions in American society. May be repeated for credit when topics vary. Three seminar hours a week. Credit: Three hours.

HIST 5883. Seminar in European History. Focused study on a selected theme, issue, problem, region, country, or period in the history of Europe prior to 1900. May be repeated for credit when topics differ. Three seminar hours a week. Credit: Three hours.

HIST 5903. Special Topics. Organized course with section's title and content varying with specific subject matter and topic offered. May be repeated for credit when topics vary. Three lecture hours a week. Credit: Three hours.

HIST 5911. Independent Study. Independent study of selected topics in history. May be repeated for credit when topics vary. Credit: One hour.

HIST 5913. Independent Study. Independent study of selected topics in history. May be repeated for credit when topics vary. Credit: Three hours.

HIST 5933. Internship. Supervised practical experience, related to the academic and career objectives of the student, in a public or private agency. May be repeated for a total of six hours. Eight practicum hours a week. Credit: Three hours.

HIST 5936. Internship. Supervised practical experience, related to the academic and career objectives of the student, in a public or private agency. Sixteen practicum hours a week. Credit: Six hours.

HIST 5973. Professional Paper. The research and writing of a professional paper by each student on a topic selected jointly by the student and the instructor. Credit: Three hours.

HIST 5981. The Professional Portfolio. Development of a professional portfolio by students in the Master of Arts in Teaching program demonstrating the student's growth in the Learner-Centered Competencies. Pass-fail grade only. May be repeated. Credit: One hour.

HIST 5983. Thesis. Credit: Three hours.

HIST 5993. Thesis. Prerequisite: HIST 5983. Credit: Three hours.

Faculty

Professors

HODGES, LYDIA "LYBETH" E., Professor of History. B.S., University of North Texas; M.A., Texas Woman's University; Ph.D., Texas Tech University.

HOYE, TIMOTHY K., Professor of Government. B.A., East Texas State University; M.A., East Texas State University; Ph.D., Duke University.

OLSEN, JONATHAN, Professor of Government; Chair of the Department of History and Government. B.A., University of Texas at Austin; M.A., The University of Kansas; M.A., University of Maryland; Ph.D., University of Maryland.

ROBB, JEFFREY B., Professor of Government. B.A., North Texas State University; M.S., University of North Texas; J.D., University of Texas at Austin.

TRAVIS, PAUL D., Professor of History. B.A., The Wichita State University; M.A., Wichita State University; Ph.D., University of Oklahoma.

Associate Professors

BLOSSER, JACOB M., Associate Professor of History. B.A., Milligan College; M.A., James Madison University; Ph.D., University of South Carolina Columbia.

FANNING, SARA C., Associate Professor of History. B.A., University of Texas, Austin; M.A., National University of Ireland; Ph.D., University of Texas at Austin.

LANDDECK, KATHERINE E., Associate Professor of History. B.A., University of Arkansas; M.A., University of Tennessee, Knoxville; Ph.D., University of Tennessee, Knoxville.

Assistant Professor

HEVRON, PARKER R., Assistant Professor of Government. B.A., Austin College; Ph.D., University of Southern California.

Master of Arts in History

Total Semester Credit Hours Required

30-39 semester credit hours minimum with at least 21 semester credit hours of course work in the major.

Major

The student will select one of the options with consultation and approval of her or his graduate committee. The student's graduate committee may require completion of more than the minimum number of semester credit hours indicated and specify courses to be included in the student's individual degree .

At least 30 semester credit hours of course work in the specified program of study. Six elective hours can optionally be applied towards a minor (in consultation with advising committee). Completion of the mandatory course in Professional Practices, with a four course distribution, is required.

Minor

Optional. All minors must be approved by the student's graduate committee and must include at least 6 semester credit hours.

Special Requirement

No grade lower than B can be counted toward meeting the minimum number of semester credit hours required.

Final Examination

An oral defense of the thesis or professional paper is required.

Master of Arts in History Program of Study (30 – 39 semester credit hours)

Students will take at least 9 semester credit hours in U.S. history and 3 semester credit hours in non-U.S. history. Students are encouraged to distribute the 9 U.S. history semester credit hours across the following fields: 17th or 18th century US history, 19th century U.S. history, and U.S. history since 1900.

Thesis Option

Minimum of 30 semester credit hours, including 6 semester credit hours for the thesis.

17th or 18th century U.S. history		3
19th century U.S. history		3
U.S. history since 1900		3
Non-U.S. history		3
HIST 5033	Research Methods in History	3
Electives (additional graduate hours in history)		9
HIST 5983	Thesis	3
HIST 5993	Thesis	3
Total Semester Credit Hours		30

Professional Paper Option

Minimum of 36 semester credit hours, including 3 semester credit hours for the professional paper.

17th or 18th century U.S. history		3
19th century U.S. history		3
U.S. history since 1900		3
Non-U.S. history		3
HIST 5033	Research Methods in History	3
Electives (additional graduate hours in history)		18
HIST 5973	Professional Paper	3
Total Semester Credit Hours		36

Public History Option

Minimum of 36 semester credit hours. Students in history, in consultation with their graduate committee, may take 3-6 credit hours in Public History and 3-6 credit hours of internship plus a professional paper.

17th or 18th century U.S. history		3
19th century U.S. history		3
U.S. history since 1990		3
Non-U.S. history		3

HIST 5033	Research Methods in History	3
Choose from the following options to total 18 semester credit hours		18
HIST 5933	Internship	
or HIST 5936	Internship	
At least three hours Public History		
Electives (additional graduate hours in history)		
HIST 5973	Professional Paper	3
Total Semester Credit Hours		36

Combined History and Government Option (History Emphasis)

Couples 21 hours of graduate study in history with 18 hours of graduate study in government. Graduates of the combined program write a professional paper and receive an M.A. in History but have enough graduate hours to teach both history and government in Texas community colleges. Graduates are also qualified to teach dual credit courses in both history and government in Texas high schools.

Minimum of 39 semester credit hours, including 3 semester credit hours for the professional paper. (Note: Student must select one field as major and one as a minor.

17th or 18th century U.S. history		3
19th century U.S. history		3
U.S. history since 1900		3
Non-U.S. history		3
HIST 5033	Research Methods in History	3
Electives (additional graduate hours in history)		3
Electives (graduate hours in government)		18
HIST 5973	Professional Paper	3
Total Semester Credit Hours		39

Master of Arts in Government

Total Semester Credit Hours Required

30-39 semester credit hours minimum with at least 21 semester credit hours of course work in the major.

Major

The student will select one of the options with consultation and approval of her or his graduate committee. The student's graduate committee may require completion of more than the minimum number of semester credit hours indicated and specify courses to be included in the student's individual degree .

At least 30 semester credit hours of course work in the specified program of study. Six elective hours can optionally be applied towards a minor (in consultation with advising committee). Completion of the mandatory course in Professional Practices, with a four course distribution, is required.

Minor

Optional. All minors must be approved by the student's graduate committee and must include at least 6 semester credit hours.

Special Requirement

No grade lower than B can be counted toward meeting the minimum number of semester credit hours required.

Final Examination

An oral defense of the thesis, professional paper, or practicum capstone paper is required.

Master of Arts in Government Program of Study (30 – 39 semester credit hours)

Students must take the course in Professional Practices, in addition to the four course distribution requirement, with at least one course in U.S. politics, law, and government; global/comparative politics; political theory; and politics and identities.

Thesis Option

Minimum of 30 semester credit hours, including 6 semester credit hours for the thesis.

U.S. politics, law and government		3
Global/comparative politics		3
Political theory		3
Politics and identities		3
GOV 5033	Research Methods in Government	3
Electives (additional graduate hours in government)		9
GOV 5983	Thesis	3
GOV 5993	Thesis	3
Total Semester Credit Hours		30

Professional Paper Option

Minimum of 36 semester credit hours, including 3 semester credit hours for the professional paper.

U.S. politics, law and government		3
Global/comparative politics		3
Political theory		3
Politics and identities		3
GOV 5033	Research Methods in Government	3
Electives (additional graduate hours in government)		18
GOV 5973	Professional Paper	3
Total Semester Credit Hours		36

Practicum Capstone Option

Minimum of 36 semester credit hours.

U.S. politics, law, and government		3
Global/comparative politics		3
Political theory		3
Politics and identities		3
GOV 5033	Research Methods in Government	3
Electives (additional graduate hours in government)		15
GOV 5936	Internship	6
Total Semester Credit Hours		36

Combined History and Government (Government Emphasis)

Couples 21 hours of graduate study in government with 18 hours of graduate study in history. Graduates of the combined program write a professional paper and receive an M.A. in Government but have enough graduate hours to teach both history and government in Texas community colleges. Graduates are also qualified to teach dual credit courses in both history and government in Texas high schools.

Minimum of 39 semester credit hours, including 3 semester credit hours for the professional paper. (Note: Student must select one field as major and one as a minor).

U.S. politics, law, and government		3
Global/comparative politics		3
Political theory		3
Politics and identities		3
GOV 5033	Research Methods in Government	3
Electives (additional graduate hours in government)		3
Electives (graduate hours in history)		18
GOV 5973	Professional Paper	3
Total Semester Credit Hours		39

Department of Mathematics and Computer Science

Web Site: http://www.twu.edu/math-computer-science/

Chair: *Don E. Edwards, Professor*
Location: *MCL 302*
Phone: *940-898-2166*
Fax: *940-898-2179*
E-Mail: *mathcs@twu.edu*

Graduate Degrees Offered

- M.S. in Informatics (http://catalog.twu.edu/graduate/arts-sciences/mathematics-computer-science/informatics-ms)
- M.S. in Mathematics (p. 110)
- M.S. in Mathematics Teaching (p. 112)
- M.A.T. (emphasis in Mathematics or Computer Science) (p. 113)

The Department of Mathematics and Computer Science offers graduate studies leading to the following degrees: Master of Science in Informatics, Master of Science in Mathematics and Master of Science in Mathematics Teaching.

The Master of Science prepares the student to enter the workforce or to pursue doctoral degree programs in informatics, data science, mathematics, statistics, or related fields.

The Master of Science in Mathematics provides the student an opportunity to include computer science and statistics in the plan of study. An emphasis in statistics is available for those interested in careers as applied statisticians or statistical programmers.

The Master of Science in Mathematics Teaching is especially designed for elementary or secondary school teachers of mathematics. Course work emphasizes topics needed for the elementary or secondary mathematics teacher. The department also provides a plan of study designed to prepare current teachers for Master Mathematics Certification at the 4-8 or 8-12 level.

The Master of Arts in Teaching (M.A.T.) degree offered through the College of Professional Education prepares graduate students to be future mathematics teachers at the 4-8 or the 7-12 levels in mathematics or the 7-12 level in computer science. Mathematics or computer science courses required for the degree are determined in consultation with a departmental advisor.

M.S. in Informatics

Informatics is the study and application of information science, computer science, cognitive science, and organizational science to the arts, sciences, and professions. The Master of Science program in Informatics at TWU provides students with a flexible, adaptable, interprofessional, and interdisciplinary approach to the study of Informatics in a hybrid learning environment. The program will provide students with the skills needed for success in high-demand professions and careers in the areas of Clinical Informatics, Data Science, Data Analytics, Health Studies, and Community Informatics. The program is delivered collaboratively by Academic Components including Computer Science, Nursing, Health Studies, and Library and Information Studies.

Admissions

Admission Requirements

In addition to the general requirements for admission to the TWU Graduate School (p. 56), the Department of Mathematics and Computer Science requires the following for:

Admission to the Master of Science in Mathematics or Mathematics Teaching:

A bachelor’s degree with a grade of C or better in the following courses:

1. two semesters of introductory calculus,
2. two additional departmentally approved advanced mathematics courses,
3. two letters of reference.

Admission to the Master of Science in Informatics:

A bachelor’s degree with a cumulative 3.00 GPA in the last 60 hours and:

1. demonstrated skills and competencies in information and communication technology as evident in work experience or prior coursework
2. statement of intent and career goals in informatics provided in an essay no longer than two pages

3. resume and two letters of recommendation

Certifications

- Post-Baccalaureate Certificate in Interprofessional Informatics (p. 347) (offered through the College of Nursing)

Minors

Minors Offered to Students from Other Departments

Graduate students in other departments who desire concentrated study in mathematics, informatics, or computer science as a related field should contact the Department of Mathematics and Computer Science to discuss an appropriate plan of study.

Computer Science Courses

CSCI 5103. Fundamentals of Informatics. Fundamental computing concepts for informatics study. Topics include problem-solving logic and algorithms, data management, information and knowledge discovery, security and ethics issues related to informatics, technology project management, user interface, and interprofessional application of informatics in specific fields' case studies. Prerequisites: Computer competence and experience with data analysis applications such as spreadsheet software. Three lecture hours a week. Credit: Three hours.

CSCI 5203. Database Systems. Design, implementation, and use of relational database systems (model and query language SQL). Examination of file organization, database storage, indexing and hashing, query evaluation and optimization, transaction processing, concurrency control and recovery, and database integrity and security. Investigation of latest developments in other large-scale data management techniques and systems. Prerequisite: CSCI 5103 or permission of instructor. Three lecture hours a week. Credit: Three hours.

CSCI 5413. Data Communication Networks. Analysis of networks and data communication avenues to gather, transfer, manage, and manipulate data for making contextualized data-driven decisions; network and communication security and integrity to support private and confidential data contexts; strengths and weaknesses of communication technologies at various levels and contexts. Prerequisite: CSCI 5103 or permission of instructor. Three lecture hours a week. Credit: Three hours.

CSCI 5443. Human-Computer Interface. Critique, refinement, and creation of intermediate and advanced human/computer interfaces; stakeholder needs and data flexibility/transferability of technical interfaces; traditional, mobile, and wearable computing. Prerequisite: CSCI 5103 and knowledge of web/scripting language, or permission of instructor. Three lecture hours a week. Credit: Three hours.

CSCI 5513. Data and Information Visualization. Transformation of data into interactive visual representations for effective analytical reasoning and decision making; acquisition, preparation, and analysis of large data sets; techniques, algorithms, and software tools to create visualizations; techniques for analytical reasoning and data representation and transformation to support production, presentation and dissemination of visualization results. Prerequisite: CSCI 5103. Three lecture hours a week. Credit: Three hours.

CSCI 5643. Internet/Intranet Services: Design and Implementation. Design and implementation of Internet/Intranet network information services including FTP, World Wide Web, and conferencing. Preparation and integration of digital graphics, animation, video, audio, and script-based (Java/Java Script) content. Students will design and build an intranet, install and maintain servers, and prepare multimedia rich content. Prerequisites: CSCI 1403 and CSCI 3002, or equivalents. Three lecture hours a week. Credit: Three hours.

CSCI 5653. Technology Issues, Achievements and Challenges in Education. Current developments and open research issues for technology in education. Includes current and future trends in multimedia, simulation, communication, networks, AI, intelligent tutoring systems, learning communities, learning technologies, security concerns, communication strategies, ethical, and leadership issues. Prerequisites: Completion of other Master Technology Teacher courses or permission of instructor. Three lecture hours a week. Credit: Three hours.

CSCI 5663. Statistical Programming. Design of statistical programs to manipulate raw data, generate reports, and analyze data. Numerous case studies demonstrate appropriate analysis based on the experimental design. Advanced statistical research methods such as ANOVA, MANOVA, repeated measures ANOVA, Multiple Linear and Logistic regression, factor analysis, and survival analysis SAS. Prerequisite: Six hours undergraduate statistics, or three hours graduate level statistics, or equivalent. Three lecture hours a week. Credit: Three hours.

CSCI 5673. Big Data: Management, Access, and Use. Fundamentals of big data and big data analytics; NoSQL systems and tools and techniques used in big data scenarios. Exploration of the big data phenomenon from multiple perspectives: historical, theoretical, statistical, philosophical, ontological, and ethical. Possible solutions to the problems of big data involving compression, mining, database design, visualization, interface design, security, management, and use, with application to multiple fields. Prerequisites: CSCI 5103, CSCI 5203. Three lecture hours a week. Credit: Three hours.

CSCI 5793. Statistical Computer Packages. Survey of major statistical computation program systems with special emphasis on SPSSX and BMDP. Basic concepts of control language and data set preparation, program execution, and interpretation of statistical program output. Prerequisite: Intermediate statistics or permission of the instructor. Three lecture hours a week. Credit: Three hours.

CSCI 5803. Data Warehousing. Design, implementation, and management of data warehouse systems and their applications; requirements for gathering data for data warehousing; data warehouse architecture; dimensional model design for data warehousing; physical database design for data warehousing; extracting, transforming, and loading strategies; design and development of intelligence applications for decision support; and expansion and support of a data warehouse. Prerequisite: CSCI 5203. Three lecture hours a week. Credit: Three hours.

CSCI 5813. Concepts of Data Warehousing and Data Mining. Review of the basic concepts of file systems, databases, data warehousing, data mining, and related statistics. Summary of database management, modeling, design, and life cycle is provided as related to data warehousing. Methods for extracting information from a large database by use of data mining techniques are studied. Techniques include: machine learning, decision algorithms, statistical modeling, and clustering. Prerequisites: CSCI 3423 and MATH 1713, or equivalent. Three lecture hours a week. Credit: Three hours.

CSCI 5893. Statistical Packages II. A further survey of major statistical computation program systems. Concepts of control language and data set preparation, program execution, and interpretation of statistical program output will be studied. Prerequisite: CSCI 5793. Three lecture hours a week. Credit: Three hours.

CSCI 5913. Independent Study. Selected topics in advanced computer science. May be repeated for additional credit. Credit: Three hours.

CSCI 5921. Statistical Analysis With Computers. Exposure to available University resources in research design and data analysis, including fully computerized statistical analysis techniques. Appropriate for graduate students who are at least in the proposal/prospectus phase. May be repeated for additional credit. Prerequisite: Permission of the instructor. Credit: One hour.

CSCI 5923. Capstone in Informatics. Culminating organization and/or community-based interdisciplinary/interprofessional project supported through informatics and technology and applied to a specific domain to demonstrate knowledge and skills acquired in the informatics program. Immersive, investigative, and reflective opportunity for deep study on a selected area of practice/application domain. Prerequisite: Completion of 24 semester credit hours. Three seminar hours a week. Credit: Three hours.

CSCI 5953. Cooperative Education. Cooperative work-study arrangement between business, industry, or selected institutions with the University. Nine practicum hours a week. Credit: Three hours.

CSCI 5981. The Professional Portfolio. Development of a professional portfolio by students in the Master of Arts in Teaching program demonstrating the student's growth in the Learner-Centered Competencies. Pass-fail grade only. May be repeated. Credit: One hour.

Mathematics Courses

MATH 5033. Advanced Calculus. Development of the limit processes including continuity, sequences, series, differentiation, and integration. Emphasis on proofs of the fundamental theorems of mathematical analysis, including Roelle's and Lagrange's theorems. Multivariable analysis, constrained optimization. Prerequisite: Permission of advisor. Three lecture hours a week. Credit: Three hours.

MATH 5203. Problem Solving in the Math Classroom. Study of problems with multiple solutions or alternative approaches in grades 4-12; strategies for solving problems; assessment techniques; cooperative grouping methods; critical thinking skills. Three lecture hours a week. Credit: Three hours.

MATH 5303. Algebra in the Mathematics Classroom. Topics in algebra with an emphasis in problem solving, patterns, relationships, order pairs, prime and composite numbers, orders of operations, exponents number sentences, ratios, proportions, percents, modeling, formulas, equations, graphs, functions, and systems of equations. Three lecture hours a week. Credit: Three hours.

MATH 5313. Geometry in the Mathematics Classroom. Topics in geometry with an emphasis in problem solving, shapes, angles, polygons, circles, Pythagorean Theorem, symmetry, transformations, measurement of area, and volume with an emphasis on technology. Three lecture hours a week. Credit: Three hours.

MATH 5323. Euclidean Geometry. Euclidean geometry from a problem solving approach. Topics include shapes, measurement, perimeter, area, volume, geometric proofs, congruence, triangles, quadrilaterals, similarity, circles, and coordinate geometry. Three lecture hours a week. Credit: Three hours.

MATH 5333. Technology in the Math Classroom. Technologies and their use in teaching mathematical concepts in grades 4-12; includes graphing calculators, and computer software programs and pedagogical technology. Prerequisite: Permission of academic advisor. Three lecture hours a week. Credit: Three hours.

MATH 5423. History of Mathematics. A survey of the historical development of various mathematical topics, including geometry, algebra, and number theory. A study of the work of past mathematicians, including Archimedes, Euclid, Fermat, Newton, and mathematicians of the 19th and 20th centuries. Three lecture hours a week. Credit: Three hours.

MATH 5483. Theory of Probability and Statistics I. Basic principles of probability; combinations and permutations; conditional probability and independence; common discrete and continuous probability distributions, their properties, and applications. Three lecture hours a week. Credit: Three hours.

MATH 5493. Theory of Probability and Statistics II. Sampling distribution theory and the Central Limit Theorem; point and interval estimation; hypothesis testing. Prerequisite: MATH 5483 or equivalent. Three lecture hours a week. Credit: Three hours.

MATH 5513. Matrix Algebra. Development of theory of solutions of simultaneous linear equations. Matrices, determinants, matrix inversion, eigenvalue problems, real quadratic forms, and Caley-Hamilton Theorem. Matrix Calculus. Applications. Three lecture hours a week. Credit: Three hours.

MATH 5523. Introduction to Number Theory. Understanding and creating proofs related to divisibility, congruences, Diophantine equations, and applications. Three lecture hours a week. Credit: Three hours.

MATH 5543. Symbolic Logic. Development of Symbolic Logic as a mathematical system. Starting with axioms and definitions, theorems will be proved. Application of Symbolic Logic to set theory is considered. Three lecture hours a week. Credit: Three hours.

MATH 5563. Logic, Sets, and Real Numbers. Applications of logic and set theory to the development of the real number system. Equivalence relations will be used to define the natural numbers and create the reals from them. Three lecture hours a week. Credit: Three hours.

MATH 5573. Statistical Methods I. Probability distributions, graphical representations, curve fitting, hypothesis testing, regression and correlation, and applications. Prerequisite: Permission of the instructor. Three lecture hours a week. Credit: Three hours.

MATH 5583. Statistical Methods II. Statistical research tools including analysis of variance, chi-square tests, regression (simple and multiple), logistic regression, correlation, non parametric method, and survival analysis. Use of SPSS for the PC. Prerequisite: MATH 5573 or consent of instructor. Three lecture hours a week. Credit: Three hours.

MATH 5593. Differential Equations. The existence and uniqueness for differential equations and systems of differential equations. General theory to specific types of differential equations of a single variable. Basic theory for linear and nonlinear systems; linearization; stability; Hamiltonian Systems; applications with MAPLE. Three lecture hours a week. Credit: Three hours.

MATH 5833. Computer-Aided Mathematical Modeling. Using mathematics to model economic, biological, physical, and other real life processes. Study of deterministic and stochastic models, discrete, and continuous models. Implementation of models in software packages and programming languages used in computer-aided mathematical modeling. Three lecture hours a week. Credit: Three hours.

MATH 5863. Applied Statistics and Convex Optimization. Organizing, analyzing, and summarizing data through statistical methods. Combination of computational and statistical methods and convex optimization techniques to find solutions to big data found in diverse fields such as business, engineering, biological, and health sciences. Regularized and large-scale modeling techniques such as boosting and the lasso as well as model averaging techniques. Consideration of both Frequentist and Bayesian perspectives. Prerequisites: Calculus, probability, and statistical concepts; or permission of instructor. Three lecture hours a week. Credit: Three hours.

MATH 5883. Algebraic Geometry. The connection between algebra and geometry via problem-solving and visualization techniques: topics including conics, cubics, quartics and higher-degree curves, and real-world applications such as modern cryptography. Prerequisite: MATH 5513. Three lecture hours a week. Credit: Three hours.

MATH 5903. Special Topics. Variable content. May be repeated for additional credit. Three lecture hours a week. Credit: Three hours.

MATH 5911. Independent Study. Selected topics in advanced mathematics. May be repeated for additional credit. Credit: One hour.

MATH 5913. Independent Study. Selected topics in advanced mathematics. May be repeated for additional credit. Credit: Three hours.

MATH 5953. Cooperative Education. Cooperative work-study arrangement between business, industry, or selected institutions with the University. Nine practicum hours a week. Credit: Three hours.

MATH 5973. Professional Paper. Credit: Three hours.

MATH 5981. The Professional Portfolio. Development of a professional portfolio by students in the Master of Arts in Teaching program demonstrating the student's growth in the Learner-Centered Competencies. Pass-fail grade only. May be repeated. Credit: One hour.

MATH 5983. Thesis. Credit: Three hours.

MATH 5993. Thesis. Prerequisite: MATH 5983. Credit: Three hours.

Faculty

Professors

DEMUYNCK, MARIE-ANNE, Professor of Computer Science. B.A., Catholic University of Leuven; M.A., Catholic University of Leuven; M.S., Texas Woman's University; Ph.D., University of North Texas.

EDWARDS, DONALD, Professor of Mathematics and Computer Science; Chair of the Department of Mathematics and Computer Science; Special Assistant to the Provost. B.S., University of North Texas; M.S., University of North Texas; Ph.D., Texas Christian University.

GRIGORIEVA, ELLINA, Professor of Mathematics. B.S., Moscow State Lomonsov University; M.S., Moscow State University; Ph.D., Moscow State University.

MALLAM, WINIFRED A., Professor of Mathematics. B.A., Shaw University; M.S.S.E., Texas Woman's University; Ph.D., University of Jos.

MARSHALL, DAVID D., Professor of Computer Science. B.A., Baldwin-Wallace College; M.A., Cleveland State University; Ph.D., University of Illinois, Chicago.

Associate Professors

HAMNER, MARK S., Associate Professor of Mathematics; Associate Provost of Institutional Research and Data Management. B.A., University of Texas at Austin; M.S., Baylor University; Ph.D., Baylor University.

NAVARRA-MADSEN, JUNALYN, Associate Professor of Mathematics. B.S., University of Utah; M.S., University of Texas at Dallas; Ph.D., University of Texas at Dallas.

WHEELER, ANN M., Associate Professor of Mathematics. B.S., Henderson State University; M.S.E., Henderson State University; Ph.D., University of Northern Colorado.

ZHANG, JIAN, Associate Professor of Computer Science. B.S., Hefei University of Technology, China, P.R.; M.S., Tulane University; Ph.D., Tulane University.

Assistant Professor

FALLEY, BRANDI N., Assistant Professor of Mathematics. B.A., Ouachita Baptist University; M.S., Baylor University; Ph.D., Baylor University.

Lecturer

BANKS, CATHERINE CLEAVELAND, Senior Lecturer of Mathematics. B.S., Stephen F. Austin State University; M.S., Stephen F. Austin State University.

Master of Science in Informatics

The M.S. in Informatics program provides graduate students with a flexible, adaptable, interprofessional and interdisciplinary approach to the study of informatics, delivered in a hybrid learning environment. Majors in this program will build upon a set of foundational courses and choose discipline specific courses within an approved Application Area (Clinical Applications, Data Science/Data Analytics, Health Studies, or Community Informatics) to complete the major.

The degree program consists of a minimum of 36 semester credit hours (SCH) of graduate coursework comprised of 15 hours of foundations in computer science, 15 hours of discipline specific coursework in one of the application areas above, and 3 hours in software/statistical tools. The program is completed with an interprofessional, interdisciplinary capstone project.

Course content for the degree provides a central set of knowledge and skills that all informatics students will possess and then allows students to explore and refine their understanding of informatics as it is applied to high-demand professions and careers.

Majors will learn to use technology and data analytics to derive meaningful information from data for data and decision-driven practice in user-centered systems.

- Informatics is the interprofessional study and application of information science, computer science, cognitive science, and organizational science to the arts, sciences, and professions.
- Informatics includes a formal study of information including:
  - its structure, properties, uses and function in society,
  - the people who use the information and the technologies that are developed to record, organize, store, retrieve and disseminate the information.

Special Requirements

Only courses in which a student achieved a grade of B or higher may be counted toward the degree.

Cooperative Education

In order for coursework in Cooperative Education to be counted as degree credit, department and advisory committee approval must be received during the semester in which the course is taken. This approval is in addition to approval to enroll in Cooperative Education coursework. Only three semester credit hours of Cooperative Education may be counted toward the Master's degree.

Master of Science in Informatics Program of Study (36 semester credit hours)

Computer Science Core		
Required Courses		
CSCI 5103	Fundamentals of Informatics	3
CSCI 5203	Database Systems	3
CSCI 5673	Big Data: Management, Access, and Use	3
Select Two Courses		6
CSCI 5413	Data Communication Networks	
CSCI 5443	Human-Computer Interface	
CSCI 5513	Data and Information Visualization	
CSCI 5803	Data Warehousing	
CSCI 5813	Concepts of Data Warehousing and Data Mining	
Software/Statistical Tools		3

Select One Course		
BIOL 5123	Biostatistics	
BUS 5153	Research Methods in Business	
CSCI 5663	Statistical Programming	
CSCI 5793	Statistical Computer Packages	
CSCI 5893	Statistical Packages II	
FS 5193	Statistics for Research in Family Sciences	
FS 6693	Advanced Quantitative Research Methods In Family Sciences	
FS 6873	Applied Multivariate Statistics for Family Sciences	
HS 5703	Applied Statistics for Health Educators	
HSM 5053	Quantitative Methods in Health Systems Management	
KINS 5033	Applied Statistical Principles	
KINS 6043	Statistical Inference	
LS 5213	Information Sources in Business	
MATH 5483	Theory of Probability and Statistics I	
MATH 5493	Theory of Probability and Statistics II	
MATH 5573	Statistical Methods I	
MATH 5583	Statistical Methods II	
MATH 5863	Applied Statistics and Convex Optimization	
NURS 5024	Research and Quality Improvement in Nursing	
NURS 6004	Theory and Foundations of Nursing Research	
NURS 6933	Analysis of Nurse-Generated Data	
OT 5002	Applied Research Methods in Occupational Therapy	
OT 6363	Statistical Analysis in Occupational Therapy	
PSY 5304	Advanced Psychological Statistics I	
PSY 6204	Advanced Psychological Statistics II	
PT 6043	Statistical Methods I for the Health Care Professional	
PT 6243	Statistical Methods II for the Health Care Professional	
SOCI 6203	Seminar on Research Methods	
SOCI 6363	Intermediate Social Statistics	
Application Area (see options below)		15
Interprofessional Capstone		3
Select One Course		
CSCI 5923	Capstone in Informatics	
HS 5923	Capstone in Informatics	
LS 5923	Capstone in Informatics	
NURS 5923	Capstone in Informatics	
Total Semester Credit Hours		36

Application Area: Clinical Applications Option

Select Five Courses		15
NURS 5123	Introduction to Applied Health Informatics	
NURS 5143	Application of Technology Enhanced Health Promotion	
NURS 5373	Advanced Applied Health Informatics	
NURS 5393	Application of Telehealth and Remote Monitoring	
NURS 5453	User Interface Design in Healthcare	
NURS 5593	Data Applications for Foundational Health Promotion	
BUS 5743	Project Management	
Total Semester Credit Hours		15

Application Area: Data Science/Data Analytics Option

Select Five Courses		15

CSCI 5413	Data Communication Networks
CSCI 5443	Human-Computer Interface
CSCI 5513	Data and Information Visualization
CSCI 5803	Data Warehousing
CSCI 5813	Concepts of Data Warehousing and Data Mining
MATH 5483	Theory of Probability and Statistics I
MATH 5493	Theory of Probability and Statistics II
MATH 5833	Computer-Aided Mathematical Modeling
MATH 5583	Statistical Methods II
MATH 5863	Applied Statistics and Convex Optimization
BUS 5743	Project Management
Total Semester Credit Hours	15

Application Area: Health Studies Option

Required Courses		
HS 5353	Epidemiology	3
HS 5453	Community-Based Health Informatics	3
HS 5773	Social and Organizational Issues in Health Informatics	3
Select Two Courses		6
HS 5343	Risk Reduction	
HS 5363	Population Health	
HS 5413	Current Issues in Health Studies	
HS 5613	Worksite Health Promotion	
HS 6423	Global Health	
HS 6443	Foundations of Health Science	
BUS 5743	Project Management	
Total Semester Credit Hours		15

Application Area: Community Informatics Option

Required Courses		
LS 5903	Special Topics (Communities in Knowledge Economy)	3
LS 5903	Special Topics (Community Based Project Design)	3
Select Three Courses		9
LS 5043	Information and Communication Technology	
LS 5053	Information Retrieval	
LS 5413	Systems Analysis and Design for Libraries	
LS 5903	Special Topics (Assessment in Practice)	
LS 5903	Special Topics (Grant Writing and Management)	
LS 5903	Special Topics (Trends and Issues in Community Informatics)	
Total Semester Credit Hours		15

Master of Science in Mathematics

Thesis Option (Total of 36 semester credit hours)

30 semester credit hours course work
6 semester credit hours thesis

Non-thesis option (Total of 36 semester credit hours)

33 semester credit hours course work
3 semester credit hours professional paper

Special Requirements

Only courses in which a student achieved a grade of B or better may be counted toward the degree.

Cooperative Education

In order for coursework in Cooperative Education to be counted as degree credit, department approval must be received during the semester in which the course is taken. This approval is in addition to approval to enroll in Cooperative Education coursework. Cooperative Education coursework, as with any coursework, must also be approved by the student's advisory committee in order to be included on the degree plan. Only three semester credit hours of Cooperative Education may be counted toward the Master's degree.

Final Examination

A comprehensive written examination upon completion of the coursework and an oral examination upon completion of the thesis or professional paper are required for all degrees.

Master of Science in Mathematics Program of Study (36 semester credit hours)

This is a 36 semester credit hour degree. Students must choose either a thesis or professional paper option. Those choosing the thesis option must include MATH 5983 and MATH 5993. Students selecting the professional paper option must include MATH 5973 and an additional course from the following list. Substitutions may be made with permission from a mathematics advisor.

REQUIRED		
MATH 5513	Matrix Algebra	3
MATH 5543	Symbolic Logic	3
Choose six courses from:		18
MATH 5033	Advanced Calculus	
MATH 5323	Euclidean Geometry	
MATH 5423	History of Mathematics	
MATH 5523	Introduction to Number Theory	
MATH 5563	Logic, Sets, and Real Numbers	
MATH 5593	Differential Equations	
MATH 5833	Computer-Aided Mathematical Modeling	
MATH 5883	Algebraic Geometry	
Choose two courses from:		6
MATH 5483	Theory of Probability and Statistics I	
MATH 5493	Theory of Probability and Statistics II	
MATH 5573	Statistical Methods I	
MATH 5583	Statistical Methods II	
MATH 5863	Applied Statistics and Convex Optimization	
Required		
MATH 5983	Thesis	3
MATH 5993	Thesis	3
Total Semester Credit Hours		36

Master of Science in Mathematics with a Statistical Emphasis Program of Study (36 semester credit hours)

This is a 36 hour degree. Students must choose either a thesis or professional paper option. Those choosing the thesis option must include MATH 5983 and MATH 5993. Students selecting the professional paper option must include MATH 5973 and an additional course from the following list. Substitutions may be made with permission from a mathematics advisor.

Required:		
MATH 5573	Statistical Methods I	3
MATH 5583	Statistical Methods II	3
MATH 5483	Theory of Probability and Statistics I	3
MATH 5493	Theory of Probability and Statistics II	3
CSCI 5663	Statistical Programming	3
MATH 5513	Matrix Algebra	3

MATH 5543	Symbolic Logic	3
Choose three courses from:		9
MATH 5523	Introduction to Number Theory	
MATH 5563	Logic, Sets, and Real Numbers	
MATH 5833	Computer-Aided Mathematical Modeling	
MATH 5863	Applied Statistics and Convex Optimization	
CSCI 5793	Statistical Computer Packages	
CSCI 5893	Statistical Packages II	
CSCI 5813	Concepts of Data Warehousing and Data Mining	
Required:		
MATH 5983	Thesis	3
MATH 5993	Thesis	3
Total Semester Credit Hours		36

Master of Science in Mathematics Teaching

Special Requirements

Only courses in which a student achieved a grade of B or better may be counted toward the degree.

Cooperative Education

In order for coursework in Cooperative Education to be counted as degree credit, department approval must be received during the semester in which the course is taken. This approval is in addition to approval to enroll in Cooperative Education coursework. Cooperative Education coursework, as with any coursework, must also be approved by the student's advisory committee in order to be included on the degree plan. Only three semester credit hours of Cooperative Education may be counted toward the Master's degree.

Final Examination

A comprehensive written examination upon completion of the coursework and an oral examination upon completion of the thesis or professional paper are required for all degrees.

Master of Science in Mathematics Teaching Program of Study (36 semester credit hours)

This is a 36-hour degree which includes 3 hours for the professional paper. To accommodate current mathematics teachers, classes will be offered in the evenings during the fall and spring semesters as well as summer day classes. Substitutions may be made with permission from a mathematics advisor. Candidates may obtain this degree by attending only in the summers.

Required:		
MATH 5203	Problem Solving in the Math Classroom	3
MATH 5303	Algebra in the Mathematics Classroom	3
MATH 5313	Geometry in the Mathematics Classroom	3
MATH 5323	Euclidean Geometry	3
MATH 5333	Technology in the Math Classroom	3
MATH 5513	Matrix Algebra	3
MATH 5543	Symbolic Logic	3
Choose four courses from:		12
MATH 5033	Advanced Calculus	
MATH 5423	History of Mathematics	
MATH 5483	Theory of Probability and Statistics I	
MATH 5493	Theory of Probability and Statistics II	
MATH 5523	Introduction to Number Theory	
MATH 5563	Logic, Sets, and Real Numbers	
MATH 5573	Statistical Methods I	
MATH 5583	Statistical Methods II	
MATH 5593	Differential Equations	
MATH 5833	Computer-Aided Mathematical Modeling	

Required:		
MATH 5973	Professional Paper	3
Total Semester Credit Hours		36

Master of Arts in Teaching (emphasis in Mathematics or Computer Science)

The M.A.T. is designed as a minimum 32 semester credit hour program.

The M.A.T. (emphasis in Mathematics or Computer Science) is a degree offered through the College of Professional Education (COPE) in collaboration with the Department of Mathematics and Computer Science. All post-baccalaureate and graduate students seeking certification must comply with admission standards required by the major department and the College of Professional Education. A student in the M.A.T. program will take at least 9 hours of coursework designed to prepare future mathematics teachers at the 4-8 or 7-12 levels or computer science teachers at the 7-12 level with coursework approved by the mathematics and computer science faculty advisor. The remaining credits are determined and administered by COPE and are as follows:

Master of Arts in Teaching (M.A.T.) Program of Study (32 or 38 minimum semester credit hours)

Code	Title	Semester Credit Hours
Pedagogy and Professional Responsibilities		
EDUC 5113	Foundations of Teaching and Learning	3
EDUC 5123	Learning Theory, Development, and Research	3
EDUC 5131	Technology in Assessment and Instruction	1
EDUC 5133	Assessment and Instructional Design and Delivery for Diverse Learners	3
EDUC 5143	Effective Design and Management of the Classroom Environment (EC-12)	3
EDUC 5173	Diversity in the Classroom	3
Academic Specialization		
This is coursework in the field of study. Students will take the Texas Exam of Educator Standards (TExES) in their field of study before or during their first semester in the program.		9
Field-Based Experience		
A full-time, one-semester unpaid professional practicum in a school setting. (All coursework must be completed before beginning student teaching.)		
OR		
A full-time, two-semester internship (6 semester credit hours) in a school setting in which the student is employed and paid as the teacher of record. (This option requires that 12 semester credit hours of pedagogy courses must be completed.)		6-12
Professional Portfolio and Final Assessment		
Each student will maintain a professional portfolio throughout her or his program. The completed portfolio must be submitted for evaluation prior to graduation.		1
Total Semester Credit Hours		32-38

Department of Psychology and Philosophy

Web Site: http://www.twu.edu/psychology-philosophy/

Chair: *Shannon R. Scott, Professor*
Location: *CFO 708*
Phone: *940-898-2303*
Fax: *940-898-2301*
E-mail: *Sscott@twu.edu* (SScott@twu.edu)

Graduate Degrees Offered

- M.A. in Counseling Psychology (p. 120)
- Specialist in School Psychology (S.S.P.) (p. 121)
- Ph.D. in Counseling Psychology (p. 123)
- Ph.D. in School Psychology (p. 125)

School Psychology

The School Psychology Program offers an American Psychological Association-accredited (http://www.apa.org/ed/accreditation/programs)/National Association of School Psychology (http://www.nasponline.org/standards-and-certification/graduate-program-approval/nasp-approved-programs) approved Ph.D. degree and a National Association of School Psychologists approved Specialist degree (http://www.nasponline.org/certification/naspapproved.aspx). The School Psychology Program is designed to prepare students in the scientist-practitioner model with emphasis on scientific rigor and problem solving applied to practice in intervention, consultation, assessment, program evaluation, and research. Doctoral students are prepared to assume leadership roles in educational settings, in independent practice, and in supervision. Doctoral graduates qualify for licensure as psychologists by the Texas State Board of Examiners of Psychologists (http://www.tsbep.state.tx.us) and listing in the National Register of Health Service Providers in Psychology (http://www.nationalregister.org) following appropriate internship and postdoctoral experience. Both specialist and doctoral graduates are eligible to take the national school psychology examination, which leads to being eligible for licensure as a Licensed Specialist in School Psychology by the Texas State Board of Examiners of Psychologists (http://www.tsbep.state.tx.us), and towards credentialing as a Nationally Certified School Psychologist. The School Psychology Program Committee (SPPC) is the governing body for School Psychology Graduate Programs. It develops and enforces the policies in this catalog and all program publications.

Counseling Psychology

The Counseling Psychology program offers an American Psychological Association accredited (http://www.apa.org/ed/accreditation/programs) Ph.D. degree and M. A. degree that provides systematic training within a practitioner-scientist model to prepare students for professional mental health practice in a wide range of settings.

Both programs are grounded in a feminist multicultural philosophy and pedagogy and have a focus on developing practitioners with a strong understanding of individuals within their gendered and sociocultural contexts. Social justice and advocacy are highly valued and practiced. Graduates of the program are expected to embrace strong multicultural values, and to be conversant with and competent in the diversity-sensitive applications of theory, practice, research, and other professional functions.

The programs are situated within the unique context of TWU, focusing primarily on the educational advancement of women, and creates an atmosphere that is inclusive, supportive, and flexible, while maintaining strong academic rigor. The programmatic goals are to create a climate that challenges without competition, promotes professionalism while minimizing the power hierarchy, and incorporates student participation at high levels. The program faculty makes a concerted effort to attend to students' training needs within a contextual framework and to create an environment in which collaboration, self-direction, community, and respect for individual differences are promoted. Students and faculty make every effort to maintain open communication and clear expectations.

Applicants should be aware that, as is typical of graduate training in professional psychology, part of one's development as a psychologist entails personal growth and disclosure in addition to academic learning. As such, students may be expected to share appropriate personal material in various classes and practicum situations. APA guidelines require that students be informed of this requirement.

Doctoral graduates qualify for Licensure as Psychologists and listing in the National Register of Health Service Providers in Psychology (http://www.nationalregister.org) following appropriate internship and postdoctoral experience. Master's graduates may qualify for licensure as Psychological Associates (LPA) or Professional Counselors (LPC).

Admissions

Admission Requirements

Please see the admission section at the front of this catalog. All applicants must complete the online application form, available at the Apply Texas website (http://www.applytexas.org). In addition to these general requirements, the Department of Psychology and Philosophy requires the following.

Master of Arts in Counseling Psychology / Specialist in School Psychology

1. A completed online application form, available at the Apply Texas website (http://www.applytexas.org).
2. An undergraduate major in psychology or at least 18 semester hours in psychology, including the following courses: introductory psychology, life-span developmental psychology, statistics, experimental psychology/research design/research methods, cognitive psychology/psychology of learning, and 3 elective hours in psychology. Specialist applicants are required to take a course in biological bases of behavior instead of an elective.
3. Preferred minimum Graduate Record Examination scores of 153(500) Verbal, 144(500) Quantitative, and 4.0 Analytical Writing.
4. Counseling Psychology applicants: Submit responses to 5 essay questions which can be found at the Department of Psychology and Philosophy website (http://www.twu.edu/psychology-philosophy/counseling-psych-masters-apply.asp). Specialist applicants: Submit a 500-word statement describing goals in psychology.
5. Submission of undergraduate transcripts showing a GPA of 3.5 or better on all courses in psychology and a 3.0 overall average for the last 60 semester credit hours of undergraduate work. Official transcripts from each college attended are required.
6. Submission of three letters of recommendation.
7. Vita

The application, official GRE scores, and official transcripts from ALL colleges or universities must be submitted to the Office of Student Records Processing. Items four, five, six, and seven above are to be submitted together in ONE envelope with COPIES of your application, GRE scores, and transcripts to the program Admissions Coordinator of the respective program (Counseling Psychology or School Psychology):

Admissions Coordinator, [Specify your program of interest]
Department of Psychology and Philosophy
P.O. Box 425470
Denton, TX 76204

The deadline for applications for the master's degree Counseling Psychology program is February 1 for summer and/or fall admission; the deadline for the School Psychology Specialist program is January 5 for summer and/or fall admission.

Doctor of Philosophy in School Psychology or Counseling Psychology

1. The applicant will submit Graduate Record Examination scores. Preferred scores for the Counseling Psychology Doctoral program are 500 verbal (153, Revised GRE), 500 quantitative (149, Revised GRE), and 4.0 analytical writing. The School Psychology Doctoral program has preferred minimum total GRE score of 300 (153 verbal and 147 quantitative using the new scale) or 1000 (500 verbal and 500 quantitative using the old scale).
2. The applicant will present official transcripts as evidence of a 3.5 GPA on a 4.0 scale for both graduate and undergraduate courses in psychology. A student entering the program with a bachelor's degree is required to have a minimum overall GPA of B (3.0 on a 4.0 scale for the last 60 semester credit hours of undergraduate work, and a 3.5 GPA in undergraduate psychology courses.). A student entering the program with a master's degree is required to have a minimum overall GPA of 3.5 on a 4.0 scale for graduate work in psychology.
3. The applicant will submit three letters of recommendation.
4. The applicant will present evidence of at least 18 semester credit hours in undergraduate psychology courses including the following courses: introductory psychology, life-span developmental psychology, statistics, experimental psychology, psychology of learning, and 3 elective semester credit hours in psychology. A course in biological bases of behavior is required instead of an elective for School Psychology doctoral applicants.
5. Applicants to the Doctoral Program in Counseling Psychology must complete a program-specific application requiring five brief essays. The application is available at the Department of Psychology and Philosophy website (http://twu.edu/psychology-philosophy/counseling-phd-apply.asp).
6. Applicants to the School Psychology Doctoral Program will submit a 500-word autobiographical essay on choosing School Psychology as a career.
7. Applicants will submit a vita with special emphasis on training, work experiences, and research relevant to the program and discipline.

The online application (available at the Apply Texas website (http://www.applytexas.org)), official GRE scores, and official transcripts from ALL colleges or universities must be submitted to the Office of Student Records Processing.

Items three, four, five, six, and seven above are to be submitted together in ONE envelope with COPIES of your application, GRE scores, and transcripts to the program Admissions Coordinator of the respective program (Counseling Psychology or School Psychology):

Admissions Coordinator, [Specify your program of interest]
Department of Psychology and Philosophy
P.O. Box 425470

Denton, TX 76204

If a student is to be considered for the following Fall semester, December 15 is the deadline for receipt of application materials for the Counseling Psychology Doctoral program. January 5 is the deadline for receipt of application materials for the School Psychology Doctoral Program. Admission to all doctoral programs is usually provisional with advancement to unconditional admission based on the successful completion of GPA requirements for the first 21 semester credit hours completed in the program.

Minors

Minors Offered to Students from Other Departments

A doctoral minor requiring 18 semester credit hours is offered in psychology. Specific course requirements for the minor can be obtained by contacting the director of either doctoral training program.

Philosophy Courses

PHIL 5913. Independent Study. Denotes course not offered as organized course. An in-depth review of a specific problem area jointly selected by student and instructor. Prerequisite: Permission of instructor. Credit: Three hours.

Psychology Courses

PSY 5163. Psychology of Women. Examination of developmental characteristics of women, myths and stereotypes, sex roles, sexuality, life styles, values, achievement motivation, power, mental health, and mental disorders in women. Three lecture hours a week. Credit: Three hours.

PSY 5304. Advanced Psychological Statistics I. Brief review of measures of central tendency and variability. Advanced survey methods of correlational techniques, including multiple correlation. Advanced analyses of variance and nonparametric designs. Prerequisite: PSY 5353. Three lecture and two laboratory hours a week. Credit: Four hours.

PSY 5313. Psychological Tests and Measurements. Overview of psychometrics, including test construction, reliability, and validity. Three lecture hours a week. Credit: Three hours.

PSY 5353. Research Design. Types of research methods; techniques and procedure of educational and psychological empirical research; research design; research writing; review of journal articles; general statistics for reading professional journals. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

PSY 5423. Cognitive Assessment. Intensive introduction to the most widely used, individually administered intelligence tests. Prerequisite: A course in psychological appraisal or permission of the instructor. Three lecture hours a week. Credit: Three hours.

PSY 5463. Academic Assessment. Major norm-referenced measures of achievement and their use in the evaluation of specific learning disabilities. Prerequisite: PSY 5883 and PSY 5893 or equivalent; Major in the school psychology specialist/doctoral program. Three lecture hours a week. Credit: Three hours.

PSY 5473. Social-Emotional Assessment of Children. Administration and interpretation of personality assessment procedures with children, including integration with other psychoeducational assessment information. Prerequisites: PSY 5423 and PSY 5463. Co-requisite: PSY 6931 (for doctoral students.) Three lecture hours a week. Credit: Three hours.

PSY 5501. Professional Issues in Counseling Psychology. Critical review of the program and discipline of counseling psychology; issues germane to the professional practice of counseling psychology. One lecture hour a week. Credit: One hour.

PSY 5513. Advanced Psychopathology. Extensive study of the fundamental principles of understanding mental illness from a systemic point of view; study of incident, cause, types of therapy, and prognostication for each case. Three lecture hours a week. Credit: Three hours.

PSY 5523. Clinical Therapeutic Group Processes. Intensive group experience in which students study therapeutic group development as they function as participant, observer, and recorder of the emerging group process. Extensive reading is required. Theories of group development and group dynamics are examined as they relate to learning, perception, conflict resolution, problem solving, and psychotherapy. Prerequisites: Preregistration with instructor is required. Three lecture hours a week. Credit: Three hours.

PSY 5533. Evidence-Based Intervention: Academic. Concepts and procedures of Rti, CBM, and evidence-based academic intervention. Prerequisite: Major in the School Psychology Specialist or Doctoral Program. Three lecture hours a week. Credit: Three hours.

PSY 5541. Psychotherapy Skills I: Microskills Lab. Supervised instructional experience in basic clinical techniques for individual psychotherapy; counseling microskills that form the foundation for all psychotherapy interventions. Co-requisite: PSY 5653. Three laboratory hours a week. Credit: One hour.

PSY 5653. Theories of Psychotherapy and Counseling. Principles, procedures, techniques, and goals of effective counseling/therapy from a variety of theoretical viewpoints. Survey of major theories providing basic theory preparation for counselors/therapists in training. Prerequisite: Admission to Counseling Psychology graduate program. Co-requisite: PSY 5541. Three lecture hours a week. Credit: One hour.

PSY 5674. Theory and Practice of Family Psychology. Introduction to the literature regarding theories, principles, and practices of family psychology. Intensive study of the theoretical bases for assessment and intervention. Demonstration and practice of family psychology skills. Three lecture and two laboratory hours a week. Credit: Four hours.

PSY 5733. Specialist Internship in School Psychology. Internship in a full-time school psychologist position which is comprehensive in scope, provides an opportunity to develop a clear professional identity, and explores the full responsibilities of a practicing school psychologist while having supervisory support from an experienced field supervisor. Prerequisite: PSY 5923. Forty practicum hours a week. Credit: Three hours.

PSY 5803. Introduction to School Psychology. The school psychologist's roles within the total educational process of the child with emphasis upon development. Co-requisite: PSY 6931. Three lecture hours a week. Credit: Three hours.

PSY 5853. Seminar in School Psychology. Capstone course to synthesize key concepts in school psychology curriculum; includes crisis intervention, working collaboratively with families, school-based prevention activities, and computer applications. Three lecture hours a week. Credit: Three hours.

PSY 5883. Cognitive Assessment: Administration and Scoring. Development of skills in the standardized administration and scoring of norm-referenced measures of cognition and intelligence. Prerequisite: Major in School Psychology Specialist/Doctoral Program. Co-requisite: PSY 5893. Three lecture hours a week. Credit: Three hours.

PSY 5893. Cognitive Assessment: Theory and Interpretation. Theoretical underpinnings of intelligence and cognitive assessment, and development of skills in the interpretation of cognitive assessment instruments. Prerequisite: Major in School Psychology Specialist/Doctoral Program. Co-requisite: PSY 5883. Three lecture hours a week. Credit: Three hours.

PSY 5911. Independent Study. Individual instruction in a class that is not being taught during a current semester, and that is needed for graduation or to fulfill degree requirements of a graduate student. Credit: One hour.

PSY 5913. Independent Study. Denotes a course not offered as organized course. An in-depth review of a specific problem area jointly selected by student and instructor. Prerequisite: Permission of instructor. Credit: Three hours.

PSY 5923. Supervised Practicum. Practicum experience in clinical setting; supervised and taped client contact with critical discussion. Prerequisite: Permission of instructor. Fifteen practicum hours a week. Credit: Three hours.

PSY 5963. Capstone Proficiencies. A capstone experience in writing and applying research findings to inform clinical practice. Writing applied literature reviews, program evaluation, and grant writing. Comprehensive exam over the MA program. Prerequisites: Enrolled in last or next to last semester of coursework only degree plan. Three lecture hours a week. Credit: Three hours.

PSY 5973. Professional Paper. Credit: Three hours.

PSY 5983. Thesis. Credit: Three hours.

PSY 5993. Thesis. Prerequisite: PSY 5983. Credit: Three hours.

PSY 6011. Professional Issues in Counseling Psychology I. History, development, and current status of Counseling Psychology and areas of related emphasis in the program. Structure and function of APA; related organizations; and accrediting, credentialing, and other regulating bodies. Integration of foundational competencies related to self-reflection, interpersonal relationships, individual and cultural differences, ethical practice, and social justice/advocacy. Initial exploration of student's professional identity. One seminar hour a week. Credit: One hour.

PSY 6021. Professional Issues in Counseling Psychology II. Continuation of PSY 6011. Contemporary issues in professional psychology at large and within Counseling Psychology specifically. Issues such as science-practice integration/evidence-based practice, technology in psychology, interprofessional practice, clinical training, and maintaining professional competence. Critique of theoretical and empirical bases of scholarship related to key professional issues. Emphasis on foundational competencies related to scientific-mindedness. Development of doctoral-level writing skills. Prerequisite: PSY 6011. One seminar hour a week. Credit: One hour.

PSY 6103. Cognition and Emotion. The interaction between emotion and major processes involved in human cognition including perception, attention, memory, language, problem solving, and decision making. Prerequisite: Undergraduate course in learning or permission of instructor. Three lecture hours a week. Credit: Three hours.

PSY 6113. Measurement and Psychometric Theory. Psychometric theories including Classical Test Theory and Item Response Theory; foundational concepts such as reliability and validity and the mathematical models and assumptions on which they rest in the context of psychological measurement; specialized measurement software for data analysis; test development and item analysis. Prerequisite: Admission to Ph.D. in Counseling Psychology or School Psychology. Three lecture hours a week. Credit: Three hours.

PSY 6133. Advanced Behavioral Neuroscience. Neuroanatomy, neuron physiology, psychopharmacology, neuroendocrinology, physiological bases of motivation, emotion, learning, sensation, sleep, and attention. Three lecture hours a week. Credit: Three hours.

PSY 6143. Neurodevelopmental and Genetic Disorders In Children. Focus on low and high incidence neurodevelopmental and genetic disorders in children. Emphasis placed on identifying characteristics, differential diagnostic techniques, and empirically based interventions associated with these disorders. Prerequisite: Doctoral standing and/or permission of instructor. Three lecture hours a week. Credit: Three hours.

PSY 6204. Advanced Psychological Statistics II. Multivariate statistical procedures in analysis of variance and regression, covariance analysis, and latent variable analysis. Prerequisite: PSY 5304. Four lecture hours a week. Credit: Four hours.

PSY 6221. Psychotherapy Skills II: Intermediate Lab. Skills and techniques of psychotherapy focusing on cognitive, emotional, and behavioral functioning. Intermediate theory application for counselors/therapists in training. Emphasis on cognitive therapy, emotion-focused therapy, and behavior therapy. Prerequisites: PSY 5553 and PSY 5541. Three laboratory hours a week. Credit: One hour.

PSY 6233. Preschool Assessment. Administration and interpretation of preschool assessment procedures. Prerequisite: PSY 5423. Co-requisite: PSY 6931. Three lecture hours a week. Credit: Three hours.

PSY 6243. Advanced Theories and Psychotherapies. Principles and techniques of psychotherapy theories focusing on contextual dimensions of functioning. Advanced theory application for counselors/therapists in training. Emphasis on Interpersonal-Psychodynamic and Multicultural-Feminist approaches. Prerequisites: PSY 5554, and PSY 5923 or PSY 6923. Three lecture hours a week. Credit: Three hours.

PSY 6253. Autism Spectrum Disorders. Administration and interpretation of assessment procedures for children and adolescents with autism spectrum and other developmental disorders. Academic, behavioral, and social interventions for individuals with autism spectrum disorders. Home-school collaboration with families of individuals with autism spectrum disorders. Three seminar hours a week. Credit: Three hours.

PSY 6363. Research in Counseling and Family Psychology. An overview of counseling and family psychology and research through detailed analysis of major research articles. The course covers instrumentation tools and techniques, critical evaluations of key investigations in the field, and challenges of the "new epistemologies" for psychological research. Three seminar hours a week. Credit: Three hours.

PSY 6383. Cross Cultural Psychology. Examination of paradigms of cross cultural psychology (the fourth force in counseling and psychotherapy), cultural identity development, examination of one's own cultural heritage and its impact in the therapeutic relationship; competencies and standards, culture specific strategies in cross cultural psychotherapy, and therapeutic implications of the paradigms. Three lecture hours a week. Credit: Three hours.

PSY 6393. Psychology of Violence, Trauma, and Abuse. Focus on abuse and victimization across the lifespan, ranging from infancy to late adulthood. Trauma-based disorders, psychological dynamics, and the recovery process will be explored. Three lecture hours a week. Credit: Three hours.

PSY 6423. Psychopathology and Exceptionalities in Childhood and Adolescence. Comprehensive overview of etiology, identification (diagnostic nomenclature, DSM IV), and intervention in children and adolescents with exceptionalities and emotional disorders. Three lecture hours a week. Credit: Three hours.

PSY 6443. Objective Personality Assessment for Adults. Administration, scoring, and interpretation of most widely used objective assessment procedures for measuring personality functioning in adults, with emphasis on MMPI, and current conceptual and clinical issues in objective psychodiagnostics. Prerequisites: PSY 5423 and doctoral standing. Three lecture hours a week. Credit: Three hours.

PSY 6444. Theory and Practice of Counseling With Children and Adolescents. Principles, procedures, and techniques of effective counseling from a variety of theoretical viewpoints with primary focus on children and adolescents in school settings. Instructional supervised experience in clinical techniques basic to individual counseling. Three lecture and two laboratory hours a week. Credit: Four hours.

PSY 6523. Neuropsychological Assessment Techniques I. Introduction to the administration and interpretation of current neuropsychological assessment instruments for all ages with an emphasis on childhood and adolescence. Co-requisite: PSY 6931. Three lecture hours a week. Credit: Three hours.

PSY 6533. Neuropsychological Assessment Techniques II. Advanced administration and interpretation of current neuropsychological assessment instruments for all ages with an emphasis on childhood and adolescence. Prerequisite: Permission of instructor. Co-requisite: PSY 6931. Three lecture hours a week. Credit: Three hours.

PSY 6553. Projective Personality Assessment for Adults. Administration, scoring, and interpretation of most widely used projective assessment procedures for measuring personality functioning in adults, with emphasis on the Rorschach Inkblot Test, and current conceptual and clinical issues in projective psychodiagnostics. Prerequisites: PSY 5423, PSY 6443, and doctoral standing. Three lecture hours a week. Credit: Three hours.

PSY 6563. Psychology of Human Sexuality. Advanced exploration of concepts related to human sexuality with emphases on psychological and cultural factors. Significant focus on self-as-counselor as it impacts the therapeutic process. Three lecture hours a week. Credit: Three hours.

PSY 6583. Neuropsychopharmacology. Introduction to practical and theoretical understanding of the effects of drugs upon behavior. Emphasis on major antipsychotic, antianxiety, antidepressant drugs, their clinical use, and their side effects. Three lecture hours a week. Credit: Three hours.

PSY 6613. Advanced Developmental Psychology. An in-depth analysis of theories regarding the psychological development of children, adolescents, and adults. The course will include an overview of the empirical and conceptual approaches to the study of social, emotional, cognitive, and physical development of humans from conception through death. Three lecture hours a week. Credit: Three hours.

PSY 6633. Philosophical and Historical Foundations of Psychology. Major philosophical theories of the mind and historical foundations of psychology. Three lecture hours a week. Credit: Three hours.

PSY 6673. Therapeutic and Crisis Interventions for Children and Adolescents. Theoretical background and applied psychotherapeutic techniques for children and adolescents presented within the context of specific childhood disorders. Includes counseling, screening, and referral information for children and adolescents that experience a crisis within the school setting. Co-requisite: PSY 6931. Three lecture hours a week. Credit: Three hours.

PSY 6693. Advanced Therapy Intervention for Children and Adolescents. Group therapy intervention strategies for psychological disorders of childhood and adolescence in school settings. Group selection, protocols, and assessment for group therapy. Supervised practice required. Prerequisite: PSY 6673. Co-requisite: PSY 6931. Three lecture hours a week. Credit: Three hours.

PSY 6703. Direct Behavioral Interventions. Assessment and management techniques emphasizing behavioral intervention strategies for groups and individuals across educational and clinical settings. Cognitive, behavioral, and systemic assessments and interventions in schools will be emphasized. Co-requisite: PSY 6931. Three lecture hours a week. Credit: Three hours.

PSY 6774. Foundations of Social Psychology and Personality. Classic and contemporary theories, research, and application in social psychology with special emphasis on personality theory and development in social context. Major areas covered include person perception, attribution, social cognition attitudes, prejudice, aggression, altruism, group dynamics, and applied topics. Four lecture hours a week. Credit: Four hours.

PSY 6803. Seminar in Vocational Psychology. Theories of vocational psychology, vocational assessment, integration of vocational assessment and general psychological assessment, computer and internet applications, applications of vocational research, cross-cultural and gender issues, integration of work with family and leisure, and dual career family issues. Three lecture hours a week. Credit: Three hours.

PSY 6833. Ethics in Psychology. A critical discussion and evaluation of the ethical alternatives with respect to decision-making and action in the area of Research and Professional Practice. Methodology will include contemporary cases involving personal, social, and institutional issues, as well as theoretical and empirical foundations in the classical systems of ethics. Three lecture hours a week. Credit: Three hours.

PSY 6853. Supervision and Consultation Psychology. Designed to develop knowledge and strategic skills required in the practices of supervision of services and professional consultation in psychology. Both didactic content and field-based pre-practicum components are included. Co-requisite for School Psychology Doctoral Students: PSY 6931. Three lecture hours a week. Credit: Three hours.

PSY 6863. Qualitative Research Methods and Program Evaluation. Study of philosophical, conceptual, and practical bases of qualitative methodologies, with a particular focus on program evaluation. Emphasis on qualitative inquiry, data collection and analysis, and integration of qualitative/quantitative data. Three lecture hours a week. Credit: Three hours.

PSY 6871. Internship in Professional Psychology. One-year, full-time supervised clinical internship experience in professional psychology as required by national accreditation standards and state licensure requirements. Prerequisites: Completion of comprehensive/qualifying exam (advancement to candidacy); dissertation proposal complete by November 1st of internship application year. Enrollment for 3 semesters (Fall, Spring, Summer) required. Forty practicum hours a week. Credit: One hour.

PSY 6873. Advanced Consultation. Advanced skills in indirect-interventions which include the family, community, and school. In-depth exploration and practice in instructional team participation, and behavioral and emotional consultation with parents and school personnel. Emphasis on connecting families and schools using behavioral and systems perspectives. Prerequisite: PSY 6853. Co-requisite: PSY 6931. Three lecture hours a week. Credit: Three hours.

PSY 6903. Special Topics. Denotes organized course in psychology not regularly offered. Prerequisite: Permission of the instructor. Three lecture hours a week. Credit: Three hours.

PSY 6911. Independent Study. Individual instruction in a class that is not being taught during a current semester, and that is needed for graduation or to fulfill degree requirements of a doctoral student. Credit: One hour.

PSY 6913. Independent Study. Denotes course not offered as organized course. An in-depth review of a specific problem area jointly selected by student and instructor. Prerequisite: Permission of instructor. Credit: Three hours.

PSY 6921. Research Consultation in Psychology. Research consultation for doctoral students in the design stages of a dissertation proposal and exposure to computer analysis and interpretation of data. May be repeated for additional credit. Credit: One hour.

PSY 6923. Supervised Practicum. Practicum experience in clinical setting; supervised and taped client contact with critical discussion. Fifteen practicum hours a week. Credit: Three hours.

PSY 6931. Practicum in Applied Psychology. Pre-practicum will provide limited practical experiences as co-requisite for PSY 5423, PSY 5463, PSY 5473, PSY 5803, PSY 6523, PSY 6533, PSY 6673, PSY 6693, PSY 6703, PSY 6853, and PSY 6873. Prerequisite: Permission of instructor. Minimum of three practicum hours a week. Credit: One hour.

PSY 6933. Internship in Psychology. Supervised internship experience in clinical and/or school settings, supervision and critical discussion. One-year, full-time, placement necessary to meet licensing certification requirements. Prerequisite: Consent of instructor. Forty practicum hours a week. Credit: Three hours.

PSY 6961. Research Team. Participation in research activities as negotiated with a supervising faculty member. The student is expected to pursue areas of interest independently or in conjunction with the faculty member's interests. Two laboratory hours a week. Credit: One hour.

PSY 6981. College Teaching. Covers important pedagogical aspects of college teaching: effective lecture preparation and delivery; stimulating class discussions; writing good exams; using group projects and cooperative learning strategies; classroom management techniques; cultural diversity issues and learning styles. May be repeated for additional credit. Prerequisite: GTA or anyone in need of pedagogy requirements. Two laboratory hours a week. Credit: One hour.

PSY 6983. Dissertation. Credit: Three hours.

PSY 6991. Supervised Field Work. Field experience in applied settings; faculty supervision of students employed in the practice of psychology in the community. Prerequisite: Permission of instructor. Two practicum hours a week. Credit: One hour.

PSY 6993. Dissertation. Prerequisite: PSY 6983. Credit: Three hours.

Faculty

Professors

HART, CHRISTIAN L., Professor of Psychology. B.A., University of North Texas; M.S., Texas Christian University; Ph.D., Texas Christian University.

MARICLE, DENISE E., Professor of Psychology. B.S., University of Minnesota, Twin Cities; M.A., University of Notre Dame; Ph.D., University of Northern Colorado.

MOLLEN, DEBRA, Professor of Psychology. B.A., Adelphi University; M.A., University of Denver; Ph.D., Indiana University.

RUBIN, LINDA, Professor of Psychology. B.S., University of Kansas; M.S., University of Kansas; Ph.D., University of Kansas.

SCOTT, SHANNON R., Professor of Psychology; Chair of the Department of Psychology and Philosophy. B.A., Stephen F. Austin State University; M.S., Tufts University; Ph.D., Tufts University.

STABB, SALLY D., Professor of Psychology. B.A., Pennsylvania State University; M.Ed., Pennsylvania State University; Ph.D., University of Kansas.

Associate Professors

ASBURY, EDWARD T., Associate Professor of Psychology. B.A., University of Tennessee, Knoxville; M.A., Texas Christian University; M.A., East Tennessee State University; Ph.D., Texas Christian University.

DEORNELLAS, KATHY L., Associate Professor of Psychology. B.F.A., Stephen F. Austin State University; M.Ed., University of North Texas; Ph.D., Texas Woman's University.

FOSTER, KENNETH, Associate Professor of Psychology. B.A., City University of New York Brooklyn College; M.Phil., City University of New York Graduate School & University Center; M.A., City University of New York Hunter College; Ph.D., City University of New York Graduate School & University Center.

HARRIS, JEFF E., Associate Professor of Psychology. B.A., DePauw University; M.A., Southern Illinois University at Carbondale; Ph.D., The Ohio State University System.

Assistant Professors

JOHNSON, WENDI L., Assistant Professor of Psychology. B.A., Bryant College; M.A., Western Carolina University; Ph.D., Texas Woman's University.

PALOMARES, RONALD S., Assistant Professor of Psychology. B.S., Texas A&M University; M.A., Lesley College; Ph.D., Texas A&M University.

PORRAS, CLAUDIA V., Assistant Professor of Psychology. B.A., Texas Tech University; M.S., Oklahoma State University; Ph.D., Oklahoma State University.

ROSEN, LISA H., Assistant Professor of Psychology. B.A., Rice University; M.A., University of Texas at Austin; Ph.D., University of Texas at Austin.

TERRIZZI Jr., JOHN A., Assistant Professor of Psychology. B.S., Juniata College; M.A., College of William and Mary; Ph.D., West Virginia University.

Master of Arts in Counseling Psychology

Total Hours Required

A minimum of 61 semester credit hours including 6 semester credit hours for thesis or 3 semester credit hours for the Capstone Experience. The number of semester credit hours required depends on the particular degree program. Consult the director of the program for details.

Practica

Counseling Psychology students will spend a minimum of two semesters each in two practicum placements for a total of four semesters of practicum. The student will consult with the Practicum Coordinator to arrange for appropriate placement.

Special Requirements

Students are required to maintain a grade point average of 3.5 or better on a 4.0 scale in all courses applied to the degree. If a grade of C or less is earned in a course, the student will be required to complete a formal remediation process. If a second grade of C or less is earned (in at least six semester credit hours total), the student will be dismissed from the program.

Comprehensive Examinations

A written comprehensive exam will be required for all students who do not complete a Thesis.

Master of Arts in Counseling Psychology Program of Study (61 semester credit hours)

Required Courses		
PSY 5163	Psychology of Women	3
PSY 5304	Advanced Psychological Statistics I	4
PSY 5313	Psychological Tests and Measurements	3
PSY 5353	Research Design	3
PSY 5501	Professional Issues in Counseling Psychology	1

PSY 5513	Advanced Psychopathology (Prepracticum courses)	3
PSY 5523	Clinical Therapeutic Group Processes (Prepracticum courses)	3
PSY 5541	Psychotherapy Skills I: Microskills Lab	1
PSY 5653	Theories of Psychotherapy and Counseling	3
PSY 5674	Theory and Practice of Family Psychology (Prepracticum courses)	4
PSY 5923	Supervised Practicum (To be taken for 4 Semesters)	12
PSY 6383	Cross Cultural Psychology	3
PSY 6613	Advanced Developmental Psychology	3
PSY 6803	Seminar in Vocational Psychology	3
PSY 6833	Ethics in Psychology (Prepracticum courses)	3
Elective		
Select one from the following:		3
PSY 6243	Advanced Theories and Psychotherapies	
PSY 6393	Psychology of Violence, Trauma, and Abuse	
PSY 6563	Psychology of Human Sexuality	
In consultation with the student's major advisor, the student should select either the Thesis Track or the Coursework Only Option, both of which are outlined below.		6
Thesis Track		
PSY 5983	Thesis	
PSY 5993	Thesis	
Select one of three electives:		
PSY 6243	Advanced Theories and Psychotherapies	
PSY 6393	Psychology of Violence, Trauma, and Abuse	
PSY 6563	Psychology of Human Sexuality	
Coursework Only Option		
PSY 5963	Capstone Proficiencies	
Select two approved electives from the following:		
PSY 6243	Advanced Theories and Psychotherapies	
PSY 6393	Psychology of Violence, Trauma, and Abuse	
PSY 6563	Psychology of Human Sexuality	
Total Semester Credit Hours		61

Specialist in School Psychology (S.S.P.)

Total Hours Required

61 semester credit hours.

Internship

School Psychology students are required to complete at least one academic year of supervised internship experience consisting of a minimum of 1200 clock hours, at least 600 hours of which must be in a school setting. The student will consult with the Internship Coordinator in order to arrange for appropriate placement. The internship cannot begin until the student has completed all coursework and passed the Clinical Skills Review.

Special Requirements

Students are required to maintain a grade point average of 3.0 or better on a 4.0 scale in all courses applied to the degree. If a grade of C or less is earned in a course, the student will be required to meet with his/her program committee. The program committee and the student shall determine appropriate steps for remediation. If a second grade of C or less is earned, the student will again be required to meet with his/her program committee. If a third C or less is earned, the student will be dismissed from the program.

Comprehensive Examination

The capstone evaluation for Specialist students is the Clinical Skills Review. Students submit a comprehensive assessment case and an intervention report. At the Clinical Skills Forum, students orally present their case and intervention.

Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
PSY 5423	Cognitive Assessment		3
PSY 5803 & PSY 6931	Introduction to School Psychology and Practicum in Applied Psychology		4
PSY 6444	Theory and Practice of Counseling With Children and Adolescents		4
	Semester Credit Hours		11
Spring		**TCCN**	
PSY 5463	Academic Assessment		3
PSY 5533	Evidence-Based Intervention: Academic		3
PSY 6703 & PSY 6931	Direct Behavioral Interventions and Practicum in Applied Psychology		4
	Semester Credit Hours		10
Summer		**TCCN**	
PSY 5473	Social-Emotional Assessment of Children		3
PSY 6423	Psychopathology and Exceptionalities in Childhood and Adolescence		3
	Semester Credit Hours		6
Second Year			
Fall		**TCCN**	
PSY 5304	Advanced Psychological Statistics I		4
PSY 5923	Supervised Practicum		3
PSY 6103	Cognition and Emotion		3
PSY 6853	Supervision and Consultation Psychology		3
	Semester Credit Hours		13
Spring		**TCCN**	
PSY 5923	Supervised Practicum		3
PSY 6383	Cross Cultural Psychology		3
PSY 6673	Therapeutic and Crisis Interventions for Children and Adolescents		3
	Semester Credit Hours		9
Summer		**TCCN**	
PSY 5853	Seminar in School Psychology		3
PSY 6253	Autism Spectrum Disorders		3
	Semester Credit Hours		6
Third Year			
Fall		**TCCN**	
PSY 6933	Internship in Psychology		3
	Semester Credit Hours		3
Spring		**TCCN**	
PSY 6933	Internship in Psychology		3
	Semester Credit Hours		3
	Total Semester Credit Hours:		61

Doctor of Philosophy in Counseling Psychology

Total Semester Credit Hours Required

The minimum number of semester credit hours required for the program depends on the individual degree program. The applicant should contact the director of the program for details.

Practica

Counseling Psychology students will spend a minimum of four semesters in practicum placements. The student will consult with the Practicum Coordinator to arrange for appropriate placement.

Internship

A full-year, full-time APA-accredited (preferred) or APPIC-member internship is required for the doctoral program in Counseling Psychology. Starting January 1, 2017, APA will require that APA-accredited doctoral programs place their students in APA-accredited internships. The student will consult with the Training Director to arrange for appropriate application through the National Match Service (NMS) and the Association of Psychology Postdoctoral and Internship Centers (APPIC). Doctoral students in Counseling Psychology are expected to be willing to leave the immediate geographical area for internship. The internship cannot begin until the student has been admitted to candidacy, which requires the successful completion of all required coursework and comprehensive exams. The dissertation proposal must also be completed prior to internship application.

Research Tools

The four required research tools courses are:

PSY 5304	Advanced Psychological Statistics I	4
PSY 5353	Research Design	3
PSY 6204	Advanced Psychological Statistics II	4
PSY 6961	Research Team	1

Special Requirements

A student is required to maintain a grade point average of 3.5 or better on a scale of 4.0 in all courses applied to the doctoral degree. If a grade of C or less is earned in a course, the student will be required to complete a formal remediation process. If a second grade of C or less is earned (in at least six semester credit hours total), the student will be dismissed from the program.

Thesis Equivalency

Students who have not written an empirical master’s thesis during a master’s program will be required to complete an original research project with an individual faculty member within the first 60 hours of doctoral training.

Residency Requirement and Time Limits

Full-time enrollment is required of all doctoral students in Counseling Psychology until they approach candidacy (generally the first three years). Requests for exceptions to this requirement must be approved by the Counseling Psychology Core Faculty. All coursework, internship, and dissertation must be completed within seven years, excluding any official leaves-of-absence.

Professionalism Benchmark

The Professionalism Benchmark occurs in the Fall semester of the student’s second year. The purpose of the Benchmark is to assess students for fundamental competencies that are needed to progress past the second year in the program, and in particular to demonstrate readiness for Practicum. Competencies to be assessed include aspects of Professionalism, Reflective Practice/Self-Assessment/Self-Care, Relationships, Individual and Cultural Diversity, Ethical-Legal Standards and Policy, and Research-Evaluation. These competencies are based on the APA Joint Council of Chairs of Training Councils' (CCTC) Benchmark Evaluation System. (http://www.apa.org/ed/graduate/benchmarks-evaluation-system.aspx)

The Professionalism Benchmark will consist of two parts: a Written Narrative and an Oral Evaluation. Students will have one chance to remediate problems with any components of the Benchmark or be dismissed from the program, as these Competencies are considered absolutely foundational to any additional progress in the program and must be assessed prior to the timeline for first practicum placement. The Professionalism Benchmark process is administered each year in mid-October. See the Counseling Psychology Doctoral Student Handbook (http://www.twu.edu/psychology-philosophy/counseling-psych-phd.asp) for a detailed description of the Professionalism Benchmark process.

Comprehensive Examinations

Comprehensive Exams consist of a paper integrating professional identity, theory, and a case conceptualization, followed by a presentation of that paper and a recorded demonstration of therapy skills with an actual client or clients. The content, format, administration, and evaluation of the Comprehensive Exam will be the responsibility of the Counseling Psychology Core Faculty. Students who fail any portion of the comprehensive exam process will be provided with remediation plans and subsequent measures for re-evaluation of student progress. A student may be dismissed from the program if

remediation is not completed in a satisfactory manner. Upon successful completion of all coursework and comprehensive competency evaluations, the doctoral student is recommended for candidacy for the Ph.D. degree.

Dissertation and Final Examination

All students are required to complete a dissertation. Dissertations may be quantitative, qualitative, mixed-method, or theoretical in nature. An oral defense of the dissertation is required. The defense may be repeated once.

Doctor of Philosophy in Counseling Psychology Program of Study (semester credit hours dependent on individual degree program)

Required Courses		
PSY 5163	Psychology of Women	3
PSY 5304	Advanced Psychological Statistics I	4
PSY 5353	Research Design	3
PSY 5423	Cognitive Assessment	3
PSY 5513	Advanced Psychopathology	3
PSY 5523	Clinical Therapeutic Group Processes	3
PSY 5541	Psychotherapy Skills I: Microskills Lab	1
PSY 5653	Theories of Psychotherapy and Counseling	3
PSY 6011	Professional Issues in Counseling Psychology I	1
PSY 6021	Professional Issues in Counseling Psychology II	1
PSY 6103	Cognition and Emotion	3
PSY 6113	Measurement and Psychometric Theory	3
PSY 6133	Advanced Behavioral Neuroscience	3
PSY 6204	Advanced Psychological Statistics II	4
PSY 6221	Psychotherapy Skills II: Intermediate Lab	1
PSY 6243	Advanced Theories and Psychotherapies	3
PSY 6383	Cross Cultural Psychology	3
PSY 6443	Objective Personality Assessment for Adults	3
PSY 6553	Projective Personality Assessment for Adults	3
PSY 6583	Neuropsychopharmacology	3
PSY 6613	Advanced Developmental Psychology	3
PSY 6633	Philosophical and Historical Foundations of Psychology	3
PSY 6774	Foundations of Social Psychology and Personality	4
PSY 6803	Seminar in Vocational Psychology	3
PSY 6833	Ethics in Psychology	3
PSY 6853	Supervision and Consultation Psychology	3
PSY 6871	Internship in Professional Psychology (3 semesters)	3
PSY 6923	Supervised Practicum (4 semesters)	12
PSY 6961	Research Team	1
PSY 6981	College Teaching	1
PSY 6983	Dissertation (2 semesters)	6
PSY 6993	Dissertation (2 semesters)	6
Electives: Select 2 of 5 for a total of 6-7 credits		6-7
PSY 5674	Theory and Practice of Family Psychology	
PSY 6393	Psychology of Violence, Trauma, and Abuse	
PSY 6563	Psychology of Human Sexuality	
PSY 6863	Qualitative Research Methods and Program Evaluation	
PSY 6923	Supervised Practicum	
Total Semester Credit Hours		108-109

Doctor of Philosophy in School Psychology

Total Hours Required

The minimum number of semester credit hours required for the doctoral program depends upon the individual degree program. The applicant should contact the director of the appropriate doctoral program for details. In general, students entering with a bachelor's degree will complete 112 semester credit hours.

Practica

School Psychology doctoral students spend a minimum of four semesters in practicum placements. Students will consult with the Practicum Coordinator to arrange for appropriate placements.

Internships

School Psychology doctoral students must complete a full-time, 1500 hour internship over a period of one year or 10 consecutive months. At least 600 hours must be in a school setting. A full year, full-time APA or APPIC accredited internship is recommended. The student will consult with the Internship Coordinator in order to arrange for appropriate placement. The internship cannot begin until the student has been admitted to candidacy, which requires the successful completion of all required coursework and comprehensive exams.

Research Tools

Required research tools include the following:

PSY 5304	Advanced Psychological Statistics I	4
PSY 5353	Research Design	3
PSY 6204	Advanced Psychological Statistics II	4
PSY 6961	Research Team (to be taken one time)	1

Special Requirements

A student is required to maintain a grade point average of 3.5 or higher on a 4.0 scale in courses applied to the doctoral degree. If a grade of C or lower is earned in a course, the student will be required to meet with her/his program committee. The program committee and the student shall determine appropriate steps for remediation. If a second grade of C or lower is earned (in at least six semester credit hours total), the student may be dismissed from the program.

Residence Requirement

A one year full-time pre-doctoral internship is required to meet the requirements for graduation and licensure. All coursework, internship, and dissertation must be completed within ten years, excluding any official leaves-of-absence.

Comprehensive Examinations

Comprehensive evaluation includes the following: a written integrative essay that is orally defended over core psychological foundations; a theoretical philosophy paper; a clinical skills oral presentation and defense of both the theoretical philosophy paper; an assessment case study; and an intervention study. The content, format, administration, and evaluation of the comprehensive exam will be the responsibility of the core faculty. Students who fail any portion of the comprehensive exam process will be provided with remediation plans and subsequent measures for reevaluation of student progress. A student may be dismissed from the program if remediation is not completed in a satisfactory manner. Upon successful completion of all coursework and the comprehensive competency evaluation, the doctoral student is recommended for candidacy for the Ph.D. degree.

Dissertation and Final Examination

All students must complete an empirical dissertation. An oral defense of the dissertation is required. The defense may be repeated once.

Course Electives

Students are allowed to take additional elective coursework that is not a part of the required doctoral program. Elective coursework is offered on a rotating basis. The following courses may be taken:

PSY 6233 Preschool Assessment

PSY 6873 Advanced Consultation

PSY 6923 Supervised Practicum (Elective)

Additional courses offered through the doctoral program in Counseling Psychology or other departments within the University may be taken as elective credit (not part of required doctoral program).

Doctor of Philosophy in School Psychology Program of Study (112 semester credit hours)

Required Research Courses		
PSY 5304	Advanced Psychological Statistics I	4
PSY 5353	Research Design	3
PSY 6204	Advanced Psychological Statistics II	4
PSY 6961	Research Team (to be taken one time)	1
PSY 6983	Dissertation	3
PSY 6993	Dissertation	3
Psychological Foundations		
PSY 6103	Cognition and Emotion	3
PSY 6133	Advanced Behavioral Neuroscience	3
PSY 6383	Cross Cultural Psychology	3
PSY 6613	Advanced Developmental Psychology	3
PSY 6633	Philosophical and Historical Foundations of Psychology	3
PSY 6774	Foundations of Social Psychology and Personality	4
PSY 6833	Ethics in Psychology	3
Professional Competencies		
PSY 5423	Cognitive Assessment	3
PSY 5463	Academic Assessment	3
PSY 5473	Social-Emotional Assessment of Children	3
PSY 5533	Evidence-Based Intervention: Academic	3
PSY 5803	Introduction to School Psychology	3
PSY 6113	Measurement and Psychometric Theory	3
PSY 6143	Neurodevelopmental and Genetic Disorders In Children	3
PSY 6253	Autism Spectrum Disorders	3
PSY 6423	Psychopathology and Exceptionalities in Childhood and Adolescence	3
PSY 6444	Theory and Practice of Counseling With Children and Adolescents	4
PSY 6523	Neuropsychological Assessment Techniques I	3
PSY 6533	Neuropsychological Assessment Techniques II	3
PSY 6583	Neuropsychopharmacology	3
PSY 6673	Therapeutic and Crisis Interventions for Children and Adolescents	3
PSY 6693	Advanced Therapy Intervention for Children and Adolescents	3
PSY 6703	Direct Behavioral Interventions	3
PSY 6853	Supervision and Consultation Psychology	3
PSY 6931	Practicum in Applied Psychology (to be taken twice)	2
Doctoral Required Applied Practice		
PSY 6923	Supervised Practicum (School Based I)	3
PSY 6923	Supervised Practicum (School Based II)	3
PSY 6923	Supervised Practicum (Counseling)	3
PSY 6923	Supervised Practicum (Neuropsychology)	3
PSY 6933	Internship in Psychology (to be taken two times)	6
Total Semester Credit Hours		112

Department of Sociology and Social Work

Web Site: http://www.twu.edu/sociology-social-work/

Chair: *Celia Lo, Professor*
Location: *CFO 305*
Phone: *940-898-2052*
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E-mail: *clo* (clo@mail.twu.edu)@*twu.edu* (clo@twu.edu)

Graduate Degrees Offered

- *M.A. in Sociology* (p. 130)
- *Ph.D. in Sociology* (p. 131)

The doctoral degree is granted through the Federation of North Texas Area Universities.

The Doctor of Philosophy degree in Sociology is offered through a cooperative program of the Federation of North Texas Area Universities that includes Texas Woman's University, the University of North Texas, and Texas A&M – Commerce. The Ph.D. in Sociology is granted by Texas Woman's University and the University of North Texas. Students apply for acceptance into the program through one of the participating universities.

Together the two universities offer graduate training in various aspects of sociology along with opportunities in the area of sociological practice. All doctoral students are required to study core social theory and social research and must concentrate further in two specialty areas.

The objective of the Federation sociology program is to produce intellectually well-rounded graduates capable of

1. analyzing human social groups and relationships between groups,
2. evaluating the influence of social factors on social situations, and
3. functioning effectively in either an academic milieu or in a sociological practice setting.

Graduate students enrolled at either TWU or UNT take courses at both universities, thus benefiting from the combined faculties and facilities of both schools. Students graduating from the Federation program will be granted the Ph.D. from the university through which they entered the program.

Admissions

Admission Requirements

Master of Arts in Sociology

Students applying for admission to master study must meet the general admission requirements of the Graduate School at TWU (see admission section of this catalog (p. 56).) Admission to the sociology masters program requires a bachelor's degree in sociology or its equivalent, a GPA of 3.0 or higher on the last 60 semester credit hours of undergraduate work and on all graduate work, along with a personal statement of interest (2-3 pages) and two letters of recommendation. Students without a bachelor's degree in sociology will be considered if the admission committee believes that the student shows academic promise.

Doctor of Philosophy in Sociology

Admission to the doctoral program in sociology requires a bachelor's degree in sociology or its equivalent, GRE (http://www.ets.org/gre), a GPA of 3.5 or higher on the last 60 semester credit hours of undergraduate courses and on all graduate courses, three letters of recommendation, and a personal statement of interest (2-3 pages). Students without a bachelor's degree in sociology will be considered if the admission committee believes that the student shows academic promise. International students must have a satisfactory score on the Test of English as a Foreign Language (http://www.ets.org/toefl) (TOEFL).

The applicant who has a GPA of at least 3.0 but meets other conditions above may be considered for conditional admission. Additional coursework may be required. The admission committee may request additional evidence of the applicant's ability to do graduate work.

Students admitted with a bachelor's degree can earn their M.A. degree during the course of study. They will be required to write a Master's thesis, which, together with their coursework, will be evaluated by the sociology faculty at the end of their Master's stage. Based on the evaluation, the faculty could recommend that a student continue to pursue the Ph.D. degree or be awarded a terminal M.A. degree. The thesis requirement is waived for students admitted with a Master's degree.

Students applying for admission to doctoral study must meet the general admission requirements of either the Graduate School at TWU (see admission section of this catalog (p. 56)) or the Toulouse School of Graduate Studies at UNT. Students additionally must apply to the sociology program (see

departmental handbook or guidelines for details). Applications of students who satisfy the Graduate School's admission standards are forwarded for review to the department admissions committee. This committee is responsible for recommending acceptance into the Federation doctoral program.

Certificates

Certificates in Sociology and Social Work

- Post-Baccalaureate Certificate in Diversity (p. 132)
- Post-Baccalaureate Certificate in Social Science Research Methods (p. 132)

Minors

Minors Offered to Students from Other Departments

Students may minor in sociology at both the master's and the doctoral levels. Courses designed to complement the student's major field will be selected in consultation between the student and his/her advisory committee. Normally a minor in sociology requires 6 semester credit hours at the master's level and 12 semester credit hours at the doctoral level.

Courses

SOCI 5113. Statistical Methods in Sociology. Introduction to conceptualization, operationalization, and measurement in the social sciences. Use of elementary measures of central tendency and dispersion, cross-tabulation, and linear modeling procedures to evaluate relationships among variables; problems of description and inference. Includes use of the SPSS statistical software package and secondary analysis of data. Three lecture hours a week. Credit: Three hours.

SOCI 5313. Research Methods and Design. Social science research methods for sociologists. Emphasis on qualitative and quantitative methods, research design, and development of a research proposal. Three lecture hours a week. Credit: Three hours.

SOCI 5343. Seminar in Sociological Theory. Analysis of classical and contemporary sociological theories and schools of thought, their roots, and interrelationships. May be repeated for credit when topics vary. Three lecture hours a week. Credit: Three hours.

SOCI 5353. Methods of Teaching Sociology. Discusses issues and problems in college education and in teaching sociology. Gives students practice in organizing sociology courses, constructing syllabi, teaching units, test construction, and utilization of available resources in sociology. Three lecture hours a week. Credit: Three hours.

SOCI 5373. Theories in Social Psychology. Major schools of thought about the nature of the person as affected by society, including structural, symbolic interactionist, phenomenological, and critical schools. May be repeated for credit. Three lecture hours a week. Credit: Three hours.

SOCI 5553. Social Stratification. Social ranking systems of human society as one form of social differentiation; relationship of theoretical approaches to areas of research and of theoretical concepts to specific research techniques. Three lecture hours a week. Credit: Three hours.

SOCI 5643. Race and Ethnic Groups in the United States. Emphasis on selected groups (African Americans, Mexican Americans, and Asian Americans), their history, heritage, contributions to society, similarities, and differences. Application of theory and research to current intergroup relations. Three lecture hours a week. Credit: Three hours.

SOCI 5663. Family: Current Topics. Analysis of selected topics in the area of the family. Selected topics may include: comparative family studies, marital dissolution and single parent families, family crises, family and violence, alternative family forms. May be repeated for credit when topics vary. Three lecture hours a week. Credit: Three hours.

SOCI 5733. Medical Sociology. Utilizes a cross-disciplinary systems approach to study the effects of social change on the individual, professional groups (changing roles), and medical institutions. Broad range of topics adjusted to meet needs of students enrolled. Three lecture hours a week. Credit: Three hours.

SOCI 5843. Feminist Theories. Thoroughly explores feminist critical inquiry, focusing on particular theoretical issues, historical writings, and/or disciplinary contexts within the diverse body of scholarship of feminist theory. May be repeated for credit when topics vary. Three lecture hours a week. Credit: Three hours.

SOCI 5903. Special Topics. Seminars on sociological theory, research methods, or selected substantive areas. May be repeated for credit when topics vary. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

SOCI 5911. Independent Study. Individual study of topics in sociological theory, research, or in substantive areas selected in accordance with student's interests and needs. Prerequisite: Permission of instructor. Credit: One hour.

SOCI 5913. Independent Study. Individual study of topics in sociological theory, research, or in substantive areas selected in accordance with student's interests and needs. Prerequisite: Permission of instructor. Credit: Three hours.

SOCI 5953. Internship. Cooperative work-study arrangement between the University and business, industry, or selected institutions. No more than three credit hours counted toward degree. Pass-fail grade only. Thirteen practicum hours a week. Credit: Three hours.

SOCI 5983. Thesis. Credit: Three hours.

SOCI 5993. Thesis. Credit: Three hours.

SOCI 6103. Seminar on Sociological Theory. Includes a sequence of classical, contemporary, and current theory courses; plus a course on theory construction. Emphasis is placed on research in primary sources and class discussion of the assigned materials, presupposes some familiarity with sociological theories. May be repeated for credit when topics vary. Three lecture hours a week. Credit: Three hours.

SOCI 6203. Seminar on Research Methods. Theory and application of quantitative and non-quantitative methods to sociological data. Suggested topics may include: use of available data; qualitative and field techniques; data analysis; techniques of sociological measurement. May be repeated for credit when topics vary. Prerequisites: A course in statistics and one in basic research design. or permission of instructor. Three lecture hours a week. Credit: Three hours.

SOCI 6321. Pro Seminar in Sociology. Prepares students for scholarly and professional work. Orients student to program and university requirements, mission, and scope. Facilitates professional socialization of the student. Required of all doctoral students. To be taken within the first year of graduate work. Pass/fail. One lecture hour a week. Credit: One hour.

SOCI 6363. Intermediate Social Statistics. Emphasis on application of appropriate statistical techniques for social data analysis, including ANOVA; techniques of linear regression and diagnostics; and measures of association. Training for carrying out a quantitative research project using sociological data. Prerequisite: Graduate level introduction to social statistics or equivalent. Three lecture hours a week. Credit: Three hours.

SOCI 6373. Quantitative Methods and Design. Advanced study of quantitative research methods for research in sociology. Advanced topics in survey research methods and design, and experimental methods and design. Preparation of quantitative research proposal. Prerequisites: Masters level social research methods course, and doctoral standing. Three lecture hours a week. Credit: Three hours.

SOCI 6383. Advanced Statistical Methods. Statistical techniques beyond the intermediate level including two-stage least squares regression, multinomial logistic regression, ordinal regression, loglinear analysis, factor analysis, path analysis, structural equation modeling, multilevel analysis/ hierarchical linear model, and event history analysis/survival analysis. Application of techniques to social science research. Prerequisite: SOCI 6363 or equivalent, or instructor permission. Three lecture hours a week. Credit: Three hours.

SOCI 6503. Seminar on Social Organization and Disorganization. An analysis of selected topics in such areas as the development of social institutions, the bases of social differentiation and integration, and deviant behavior. Suggested topics may include: the sources of social change; societal integration and social control; comparative social structures; small group studies. May be repeated for credit when topics vary. Prerequisite: A minimum of twelve semester hours in sociology or permission of instructor. Three lecture hours a week. Credit: Three hours.

SOCI 6553. Social Stratification. Advanced theoretical and empirical literature in social stratification. Review of classical and contemporary literature. Social inequality, social ranking systems, and the relationship of stratification theory and research techniques. Three lecture hours a week. Credit: Three hours.

SOCI 6733. Health and Illness. Advanced conceptual and substantive overview of the field of medical sociology, utilizing a critical approach to health and illness. Medical and sociological models of illness, medical institutions, and social epidemiology. Three lecture hours a week. Credit: Three hours.

SOCI 6903. Special Topics. Seminars on sociological theory, research methods, or selected substantive areas. May be repeated for credit when topics vary. Prerequisite: Permission of instructor. Credit: Three hours.

SOCI 6911. Independent Study. Advanced individual study of topics in sociological theory, research, or in substantive areas selected in accordance with student's interests and needs. Prerequisite: Permission of instructor. Credit: One hour.

SOCI 6913. Independent Study. Advanced individual study of topics in sociological theory, research, or in substantive areas selected in accordance with student's interests and needs. Prerequisite: Permission of instructor. Credit: Three hours.

SOCI 6923. Individual Research. Credit: Three hours.

SOCI 6983. Dissertation. Credit: Three hours.

SOCI 6993. Dissertation. Credit: Three hours.

Faculty

Professors

LO, CELIA, Professor of Sociology; Chair of the Department of Sociology and Social Work. B.S., Hong Kong Shue Yan University; M.A., University of Alabama; Ph.D., University of Alabama.

SADRI, MAHMOUD, Professor of Sociology. B.A., University of Teheran : Teheran, Iran; M.A., University of Teheran : Teheran, Iran; Ph.D., New School for Social Research.

WILLIAMS, JAMES L., Professor of Sociology. A.B., University of Georgia; M.A., University of Georgia; M.A.Ed., Western Carolina University; Ph.D., University of Georgia.

YANG, PHILIP Q., Professor of Sociology. B.A., Zhongshan University : China; M.A., University of California, Los Angeles; Ph.D., University of California, Los Angeles.

Associate Professors

MARSHALL, LINDA L., Associate Professor of Social Work. B.A., Texas Tech University; M.S.S.W, University of Texas at Arlington; Ph.D., Texas Woman's University.

TILTON, ABIGAIL C., Associate Professor of Social Work; Associate Dean of the College of Arts and Sciences. B.S.W., University of North Texas; M.S.S.W., University of Texas at Arlington; Ph.D., University of North Texas.

Assistant Professor

GULLION, JESSICA S., Assistant Professor of Sociology. B.A., Texas Tech University; M.A., Southwest Texas State University; Ph.D., Texas Woman's University.

Master of Arts in Sociology

(30 or 36 semester credit hours)

Total Semester Credit Hours Required

Thesis Option: 30 semester credit hours, including 6 semester credit hours for thesis

Non-thesis Option: 36 semester credit hours

Required

9 semester credit hours, 3 semester credit hours each in sociological theory, social science research methods, and social statistics

Major/Emphasis

9-27 semester credit hours

Minor

Optional, 6 semester credit hours

Final Examination

Written examinations may be repeated twice.

Thesis Option (30 semester credit hours)

Required Courses		
Select any approved master's level course in Social Statistics		3
SOCI 5313	Research Methods and Design	3
SOCI 5343	Seminar in Sociological Theory	3
Electives		
Select 15 semester credit hours from the following:		15
SOCI 5353	Methods of Teaching Sociology	
SOCI 5373	Theories in Social Psychology	
SOCI 5553	Social Stratification	
SOCI 5643	Race and Ethnic Groups in the United States	
SOCI 5663	Family: Current Topics	
SOCI 5733	Medical Sociology	
SOCI 6103	Seminar on Sociological Theory	
SOCI 6203	Seminar on Research Methods	
SOCI 6503	Seminar on Social Organization and Disorganization	
Other electives may be chosen, subject to approval by graduate advisor or advisory committee.		
Thesis		
SOCI 5983	Thesis	3
SOCI 5993	Thesis	3
Total Semester Credit Hours		30

Non-thesis option (36 semester credit hours)

Required Courses		
Select any approved master's level course in Social Statistics		3
SOCI 5313	Research Methods and Design	3
SOCI 5343	Seminar in Sociological Theory	3
Electives		
Select 9 three semester credit hour courses from the following:		27
SOCI 5353	Methods of Teaching Sociology	
SOCI 5373	Theories in Social Psychology	
SOCI 5553	Social Stratification	
SOCI 5643	Race and Ethnic Groups in the United States	
SOCI 5663	Family: Current Topics	
SOCI 5733	Medical Sociology	
SOCI 6103	Seminar on Sociological Theory	
SOCI 6203	Seminar on Research Methods	
SOCI 6503	Seminar on Social Organization and Disorganization	
Other electives may be selected, subject to approval by graduate advisor or advisory committee.		
Total Semester Credit Hours		36

Doctor of Philosophy in Sociology

Total Semester Credit Hours Required

91 semester credit hours, including up to 30 semester credit hours from Master's degree (either taken at TWU or transferred from another accredited institution, and approved by department.)

Required Sociology Courses

16 semester credit hours. Required sociology courses may be taken at TWU and/or UNT.

Exams

- Major/First Area Exam: Developed and administered by the student's advisory committee.
- Minor/Second Area Exam: Developed and administered by the student's advisory committee.

Doctor of Philosophy in Sociology Program of Study (91 semester credit hours)

Master's degree (up to 30 semester credit hours, with committee approval)	30
Required Courses: 16 semester hours	16
Proseminar in Sociology (1 semester hour)	
Classical Theory: Doctoral Level	
Contemporary Theory: Doctoral Level	
Intermediate Social Statistics (or Multivariate Analysis)	
Quantitative Methods and Design	
Qualitative Methods in Sociology	
Major/First Area: 12 semester hours	12
Students must select one of the following three areas of concentration: Global and Comparative Sociology, Social Stratification/Inequality, Sociology of Health and Illness. Independent study courses may not be counted toward this area.	
Minor/Second Area: 12 semester hours	12
May be in sociology, another academic discipline, or a certificate program. No more than three hours of independent study may contribute to this area.	
Electives: 9 semester hours	9
Electives must have a SOCI prefix.	
Research Tools: 12 semester hours	12
All 12 hours may be "double dipped" from the above required methods/statistics courses.	
Six of these 12 hours must be in one of the following areas: statistics, research methods, pedagogy, information retrieval, or foreign language, and the other six hours may be across two other areas.	

Dissertation (12 SCH)		
SOCI 6983	Dissertation (to be taken twice)	3
SOCI 6993	Dissertation (to be taken twice)	3

Post-Baccalaureate Certificate in Diversity

The Department of Sociology and Social Work offers a graduate Certificate in Diversity that prepares students for today's culturally diverse society. Courses required for the Diversity Certificate focus on the intersection of race/ethnicity, social class, and gender. The graduate certificate is open to students enrolled in any graduate degree program at Texas Woman's University as well as to qualified individuals seeking only the Diversity Certificate.

Admission Requirements

Students already admitted to a graduate program at TWU should consult with the Chair or Graduate Advisor of their program to determine whether the course work taken for the Diversity Certificate will apply toward their degrees. Students seeking admission to a masters or doctoral program, in addition to certification, must meet the entrance requirements of their degree program.

Students entering TWU only for the Certificate in Diversity must meet the master's-level entrance requirements of the Graduate School. For certificate-only students, the Department of Sociology and Social Work requires a Statement of Purpose (500-600 words) describing the reason the Diversity Certificate is sought and its importance in relation to career goals.

Course Requirements

The Diversity Certificate requires 18 graduate semester credit hours of course work to be completed with an average grade of B or better. Diversity is defined as inclusive of diversity in race/ethnicity, as well as age, religion, sexual orientation, and disability. Some courses will focus on diversity within the United States and others are global with a cross-cultural focus. The following three courses are required for the Diversity Certificate:Sociology Post-baccalaureate Certificate in Diversity Program of Study (18 semester credit hours)

Required Courses		
SOCI 5553	Social Stratification	3
SOCI 5643	Race and Ethnic Groups in the United States	3
WS 5463	U.S. Women of Colors (or equivalent)	3
Electives		
Select 3 three semester credit hour courses. With the approval of the Chair or Graduate Advisor of the Department of Sociology and Social Work, the remaining 9 semester credit hours may be selected from topics regularly offered under SOCI 6503, or from outside the Department.		9
Total Semester Credit Hours		18

Post-Baccalaureate Certificate in Social Science Research Methods

The Department of Sociology and Social Work offers a Certificate in Social Science Research Methods. This certificate will prepare students to work in applied and institutional research settings. The courses required for the Social Science Research Methods Certificate focus on the understanding and application of social science research methods commonly used in the public and private sectors. The graduate certificate is open to students enrolled in any graduate program at Texas Woman's University as well as to qualified individuals seeking only the Social Science Research Methods Certificate.

Admission Requirements

Students already admitted to a graduate program at TWU should consult with the Chair or Graduate Advisor of their program to determine whether the coursework taken for the Social Science Research Methods Certificate will apply towards their degrees. Students seeking admission to a master or doctoral program, in addition to the certification, must meet the entrance requirements of their degree program.

Students entering TWU only for the Social Science Research Methods Certificate must meet the master's-level entrance requirements for the Graduate School. For certificate-only students, the Department of Sociology and Social Work requires that students have completed three semester credit hours of undergraduate statistics for the social sciences and provide a Statement of Purpose (500-600 words) describing the reason the Social Science Research Methods Certificate is sought and its importance in relation to career goals. It is understood that the student's major department will detail their specific expectations with regard to the statistical background of students who pursue this certificate.

Coursework Requirements

The Social Science Research Methods Certificate requires 18 semester credit hours of coursework to be completed with an average of B or better.

Sociology Post-baccalaureate Certificate in Social Science Research Methods Program of Study (18 semester credit hours)

Required Courses (9 SCH)

SOCI 5313	Research Methods and Design	3
SOCI 6363	Intermediate Social Statistics	3
SOCI 6373	Quantitative Methods and Design	3
Electives		
Select 9 semester credit hours from the following with the approval of the Chair or Graduate Advisor of the Department of Sociology and Social Work.		9
FS 5693	Research Methods in Family Sciences	
FS 5783	Issues in Early Childhood Research and Evaluation	
FS 6693	Advanced Quantitative Research Methods In Family Sciences	
FS 6793	Advanced Qualitative Research Methods In Family Sciences	
HCA 5223	Strategic Organizational Theory in Healthcare	
HCA 5463	Research Methods for Managerial Decision Making	
HS 5013	Data Collection and Analysis	
HS 5023	Methods in Health Education Research	
LS 5753	Research Methods	
PSY 6863	Qualitative Research Methods and Program Evaluation	
READ 6483	Qualitative Research	
READ 6493	Advanced Qualitative Research Design and Analysis	
SOCI 6203	Seminar on Research Methods	
SOCI 6383	Advanced Statistical Methods	
WS 5773	Qualitative Research Methods	
Other courses may be selected as electives with the approval of the Chair or Graduate Advisor of the Department of Sociology and Social Work and may be repeated when topics vary.		
Total Semester Credit Hours		18

Department of Multicultural Women's and Gender Studies

Web Site: http://www.twu.edu/ws/

Interim Chair: *Dr. Mark Kessler*
Location: *HDB 307*
Phone: *940-898-2119*
Fax: *940-898-2101*
E-mail: *womenstudies@twu.edu*

Graduate Degrees Offered

- M.A. in Multicultural Women's and Gender Studies (p. 137)
- Ph.D. in Multicultural Women's and Gender Studies (p. 139)

The Department of Multicultural Women's and Gender Studies offers an exciting curriculum that integrates diverse perspectives and critically applies feminist/womanist scholarship on behalf of social justice. The Master of Arts degree in Multicultural Women's and Gender Studies and the Doctor of Philosophy degree in Multicultural Women's and Gender Studies emphasize an understanding and appreciation of Women's and Gender Studies as a transdisciplinary field of study. Undergraduate and graduate courses are regularly taught by over thirty faculty from across the University. Women's and Gender Studies uses multiple critical lenses to question, expand, and transform existing modes of knowledge and power in the service of social justice. It provides a curriculum grounded in diverse feminist theories, methodologies, and ethics; promotes interdisciplinary scholarly endeavors; and seeks to prepare leaders, particularly women, who will have the skills to negotiate change in academic and community settings.

M.A. in Multicultural Women's and Gender Studies

The M.A. degree is a two-year program that prepares students for Ph.D. work in Multicultural Women's and Gender Studies or a traditional discipline with a focus in Women's and Gender Studies, for careers in agencies and organizations that serve women, or for advanced professional training in interdisciplinary fields such as law and public policy. Students in Multicultural Women's and Gender Studies examine issues related to understanding difference, identity, and power across a variety of contexts. In addition to coursework, students may assist in teaching Women's and Gender Studies courses, work in community agencies, participate in professional development and mentoring programs, or take part in feminist activities on campus and in the community.

Ph.D. in Multicultural Women's and Gender Studies

The Ph.D. degree prepares students to revitalize academic life by producing new forms of knowledge through transdisciplinary and transformative dialogues among faculty and students in diverse disciplines. Doctoral degree recipients will emerge from this program grounded in a rigorous graduate school education and equipped with effective communication and research skills, holistic-critical thinking skills, and transformative teaching techniques. As part of the program's unique transdisciplinary focus, students will obtain a deep understanding of scholarly production, research methodologies, and pedagogies in various academic disciplines in the humanities and social sciences. They will use this knowledge to create new dialogues among academic disciplines.

Admissions

Admission Requirements

Master of Arts program in Multicultural Women's and Gender Studies

In addition to the requirements for admission to the Graduate School (p. 56), the Department of Multicultural Women's and Gender Studies requires the following for unconditional admission into the master's degree program:

1. A 3.0 GPA with supporting course work in the liberal arts and sciences or interdisciplinary studies.
2. A written statement of the applicant's background, interests, and goals as these relate to Women's and Gender Studies (approximately 3-5 pages in length).
3. An 8-10 page writing sample, preferably a paper from an academic course, including notes and references.
4. Two letters of recommendation from individuals (preferably professors) familiar with the applicant's academic and/or professional work.

The GRE is not required for admission to the M.A. program in Multicultural Women's and Gender Studies. M.A. applications are reviewed on a rolling basis throughout the year.

Doctor of Philosophy program in Multicultural Women's and Gender Studies

In addition to the requirements for admission to the Graduate School (p. 56), the Department of Multicultural Women's and Gender Studies requires the following for unconditional admission into the Ph.D. degree program:

1. A completed master’s degree.
2. A grade point average of 3.5 or above on prior graduate-level course work.
3. Two letters of recommendation from individuals who can address the applicant’s past academic performance and future academic potential in the field of Women's and Gender studies.
4. A statement of purpose: a short essay (approximately 1,000 words) discussing the applicant’s personal and professional goals and how TWU’s Ph.D. program in Multicultural Women’s and Gender Studies can assist the applicant in meeting these goals.
5. A writing sample: an academic paper not to exceed twenty-five pages, including notes and references.
6. A current curriculum vitae or resumé.

The GRE is not required for admission to the Ph.D. program in Multicultural Women’s and Gender Studies. We admit students in to the doctoral program in alternating years. Specific application procedures and deadlines are available at the TWU Multicultural Women's and Gender Studies website (http://www.twu.edu/ws/phd-admission-requirements.asp).

Prerequisite coursework for the Ph.D. degree program in Multicultural Women's and Gender Studies

Ideally, the previously-earned master’s degree should include foundational courses in Women’s and Gender Studies or other feminist scholarship, with at least one course in each of the following areas: feminist/womanist theories, U.S. women of colors, feminist pedagogies, and feminist/womanist epistemologies. If comparable courses have not been part of the prerequisite master’s degree program, they must be completed as part of the doctoral degree in Multicultural Women’s and Gender Studies. Applicants should have an understanding of the field of Women's and Gender Studies and familiarity with feminist and/or womanist theories.

Provisional admission to the Ph.D. degree program in Multicultural Women’s and Gender Studies

Admission to the Ph.D. program in Multicultural Women’s and Gender Studies may also be awarded on a provisional basis. Applicants who do not meet the unconditional criteria for admission, but who have a GPA of at least 3.0 on prior graduate-level course work, may be considered for provisional admission on an individual basis. Additional factors that may be considered in the provisional decision include the following:

- scores on the Graduate Record Examination (GRE (http://www.ets.org/gre)),
- scholarly activities, and/or
- professional leadership activities.

Certificates

Certificate in Multicultural Women's and Gender Studies

- Post-Baccalaureate Certificate in Multicultural Women's and Gender Studies (p. 140)

Minors

Minors Offered to Students from Other Departments

Students may minor in Multicultural Women’s and Gender Studies at both the master’s and doctoral levels. Courses designed to complement the student’s major field will be selected in consultation with the student’s advisory committee. Normally a minor requires 6 semester credit hours at the master’s level and 12 semester credit hours at the doctoral level.

Courses

WS 5023. Foundations for Scholarly Inquiry in Women's and Gender Studies. Historical origins and development of Women's and Gender Studies within higher education, including critiques and contributions by women of color; relationships between theorizing and activism; the challenges of multi-, inter-, and transdisciplinarity; and emerging issues. Emphasis on development of research, writing, and communication skills. Three lecture hours a week. Credit: Three hours.

WS 5043. Art, Activism, and Social Justice. Investigation of history and contemporary examples of the use of artistic works by activists and social movements. Focus on feminist art, art activism, and artists who create art for political purposes. Exploration of theoretical frameworks to analyze art, aesthetics, performance, and visual culture. Three seminar hours a week. Credit: Three hours.

WS 5093. Law, Gender, and Sexuality. Evolution of legal rights for women and sexual minorities and theoretical issues raised in concrete legal cases. Examination of debates over equality approaches in law; ways in which law constructs gender and sexuality; and the intersecting roles of gender, sexuality, and race in legal doctrine and theory. Three lecture hours a week. Credit: Three hours.

WS 5193. Rights, Race, and Social Justice. Interpretations of the utility of constitutional rights in movements for social justice, with special attention to struggles for racial equality. Readings in legal studies, social sciences, critical legal studies, and critical race theory that address the relationship of legal rights and change. Three lecture hours a week. Credit: Three hours.

WS 5253. Transgressive Identities: Queer Theories and Critical 'Race' Theories. Feminist and womanist interventions into recent developments in queer theories and critical "race" theories; the effects of racial, sexual, and gender impersonation, passing, and masquerade on identity categories. Three lecture hours a week. Credit: Three hours.

WS 5263. Feminism and Religion. Women's contributions to the formation and development of religious traditions with emphasis on Judaism, Christianity, and Islam; interconnections between religion, gender, sexuality, race, ethnicity, and culture; feminist critiques and transformations of religious traditions; relationships between spirituality and social change. Three lecture hours a week. Credit: Three hours.

WS 5283. Ecofeminist Theorizing, Spirituality, and Activism. Ecofeminist theorizing concerning interconnections between environmental degradation, sexism, racism, and globalization; spiritual dimensions of ecofeminism; and ecofeminist approaches to social change and environmental justice. Three lecture hours a week. Credit: Three hours.

WS 5293. Gloria Anzaldua Seminar: Theories, Politics, and Transformation. Investigation of the theories and literature of Gloria E. Anzaldua, focusing on her contributions to feminist theory, queer theory, poststructuralism, and other contemporary theoretical movements in the social sciences and the humanities. Examination of Anzaldua's impact on Women's and Gender Studies, ethnic studies, and other academic disciplines. Three lecture hours a week. Credit: Three hours.

WS 5353. Feminist Pedagogies. Feminist philosophies of education and their significance to Women's and Gender Studies; pedagogical strategies for developing critical consciousness about social inequalities; preparation for teaching undergraduate courses in Women's and Gender Studies. Prerequisite: Three graduate credit hours in Multiclutural Women's and Gender Studies. Three lecture hours a week. Credit: Three hours.

WS 5363. Feminist/Womanist Epistemologies. Feminist, womanist, and indigenous engagements with Cartesian knowledge systems, focusing on recent developments in epistemology/ontology/metaphysics and their potential contributions to social-justice work; investigations of how social, geographical, historical, and bodily location(s) affect knowledge production, consumption, and transformation. Prerequisites: WS 5463 and three additional graduate credit hours in Multicultural Women's and Gender Studies, or permission of instructor. Three seminar hours a week. Credit: Three hours.

WS 5373. Black Feminist Thought. Examination of various strands of black feminist thought from the nineteenth century to the present. Distinct methodologies of black feminist theorists and how theories may be used for political and social transformation. Three seminar hours a week. Credit: Three hours.

WS 5383. Women At Work: Race, Migration, Labors. Investigation of impact of race, class, and gender politics on the migration and labor experiences of women. Examination of media representations of women workers and similarities and differences in work experiences among women from diverse cultural backgrounds. Three seminar hours a week. Credit: Three hours.

WS 5463. U.S. Women of Colors. Histories, theories, cultures, consciousness, and lives of U.S. women of colors from a variety of perspectives; issues related to conflict, agency, survival, resistance, intervention, and transformation. May be repeated for credit when topics vary. Three seminar hours a week. Credit: Three hours.

WS 5773. Qualitative Research Methods. Qualitative research philosophies including phenomenological, critical, and feminist perspectives. Research design, data collection, analysis, and writing. Strategies for studying women's lives and developing culturally sensitive models. Responsible research and professional ethics including IRB process. Hands-on research. May be repeated for credit with permission of instructor. Three lecture hours a week. Credit: Three hours.

WS 5843. Feminist/Womanist Theories. Exploration of feminist/womanist critical inquiry, focusing on particular theoretical issues, historical writings, and/or disciplinary contexts within the diverse body of scholarship of feminist/womanist theories. May be repeated for credit when topics vary. Three seminar hours a week. Credit: Three hours.

WS 5853. Spiritual Activism: Social Justice Theories for Holistic Transformation. Exploration of issues related to spirituality, political activism, personal changes, and social transformation, focusing on multicultural approaches to social change. Investigates the roles of the imagination, creativity, and the arts in struggles for social justice. Examines indigenous contributions to holistic forms of activism. Prerequisites: WS 5463 and six additional hours of graduate credit in Multicultural Women's and Gender Studies or permission of instructor. Three lecture hours a week. Credit: Three hours.

WS 5903. Special Topics. Seminars on topics related to womanist/feminist theories or current areas of inquiry in Multicultural Women's and Gender Studies. Three lecture hours a week. Credit: Three hours.

WS 5911. Independent Study. Individual study of topics in Multicultural Women's and Gender Studies. May be repeated for credit. Prerequisite: Permission of instructor. Credit: One hour.

WS 5913. Independent Study. Individual study of topics in Multicultural Women's and Gender Studies. May be repeated for credit. Credit: Three hours.

WS 5933. Internship in Women's and Gender Studies. Supervised practical experience in an agency or organization related to the intellectual and career interests of students. Ten practicum hours a week. Credit: Three hours.

WS 5983. Thesis. Credit: Three hours.

WS 5993. Thesis. Credit: Three hours.

WS 6103. New Directions in Feminist/Womanist Theories. Recent controversies, significant research questions, and new directions in feminist/womanist theorizing. Investigation of recent interventions in Women's and Gender Studies and feminist/womanist theories and theorizing. May be repeated for additional credit when content varies. Three seminar hours a week. Credit: Three hours.

WS 6203. Women's and Gender Studies Disciplinary / Interdisciplinary Knowledges. History of academic disciplines and knowledge production, the challenge of Women's and Gender Studies to conventional academic divisions, and the potential of Women's and Gender Studies to transform academic disciplines. Prerequisite: WS 5363 or instructor approval. Three seminar hours a week. Credit: Three hours.

WS 6303. Transdisciplinary Feminist Research Methods. Relational exploration of feminist, womanist, and multicultural research methods from a variety of disciplines including those in the social sciences and humanities, focusing especially on Women's and Gender Studies' impact on research methods. Overview of research tools and techniques, including qualitative, quantitative, historical, and literary research methods. Three seminar hours a week. Credit: Three hours.

WS 6403. The Politics of Publication and Writing. Issues related to academic writing and publishing, especially focusing on the fields of Women's and Gender Studies and multicultural-feminist scholarship. Submission of at least one article to a peer-review journal and one abstract for a conference presentation. Three seminar hours a week. Credit: Three hours.

WS 6911. Independent Study. Individual study of topics in womanist/feminist theory, scholarship, or student's interests and needs. Credit: One hour.

WS 6912. Independent Study. Individual study of topics in womanist/feminist theory, scholarship, or student's interests and needs. Credit: Two hours.

WS 6913. Independent Study. Individual study of topics in womanist/feminist theory, scholarship, or student's interests and needs. Credit: Three hours.

WS 6983. Dissertation. May be repeated for additional credit. Prerequisite: Successful completion of the qualifying examinations. Credit: Three hours.

WS 6993. Dissertation. May be repeated for additional credit. Prerequisite: WS 6983. Credit: Three hours.

Faculty

Professors

KEATING, ANALOUISE, Professor of Multicultural Women's and Gender Studies. B.A., Wheaton College; M.A., University of Illinois at Chicago; Ph.D., University of Illinois at Chicago.

KESSLER, MARK, Professor of Multicultural Women's and Gender Studies. B.A., University of Pittsburgh; M.A., Pennsylvania State University; Ph.D., Pennsylvania State University.

SAHLIN, CLAIRE L., Cornaro Professor of Multicultural Women's and Gender Studies; Associate Dean of the College of Arts and Sciences. B.A., Bethel College : St. Paul, Minnesota; M.T.S., Harvard Divinity School; M.A., Harvard University; Ph.D., Harvard University.

Assistant Professors

BEINS, AGATHA, Assistant Professor of Multicultural Women's and Gender Studies. B.A., Carleton College; M.A., University of Arizona; M.F.A., Eastern Washington University; Ph.D., Rutgers University.

PHILLIPS, DANIELLE, Assistant Professor of Multicultural Women's and Gender Studies. B.A., Spelman College; Ph.D., Rutgers University.

Master of Arts in Multicultural Women's and Gender Studies

Total Semester Credit Hours Required

30 or 36 semester credit hours minimum beyond the baccalaureate depending on option selected with at least 18 semester credit hours in the field of Women’s and Gender Studies. See the M.A. program on the Multicultural Women's and Gender Studies website (http://www.twu.edu/ws/ma-and-certificate-program.asp) for further information about guidelines and contact information.

Thesis Option

Minimum of 30 semester credit hours, including 24 semester credit hours of course work, 6 semester credit hours for thesis, and oral exam. WS 5773 is required for the thesis option.

Course Work Option

Minimum of 36 semester credit hours of course work and a comprehensive examination.

Course Requirements for Both Options

WS 5023	Foundations for Scholarly Inquiry in Women's and Gender Studies	3
WS 5463	U.S. Women of Colors	3
WS 5843	Feminist/Womanist Theories	3

Final Examination

An oral examination for the thesis option and a comprehensive examination for the course work option.

Minor

Optional, 6 semester credit hours.

Sample Programs of Study for the Master of Arts Degree (30 or 36 semester credit hours)

Thesis Option (30 semester credit hours)

First Year			
Fall		**TCCN**	**Semester Credit Hours**
WS 5023	Foundations for Scholarly Inquiry in Women's and Gender Studies		3
WS 5463	U.S. Women of Colors		3
Elective			3
	Semester Credit Hours		9
Spring		**TCCN**	
WS 5773	Qualitative Research Methods		3
WS 5843	Feminist/Womanist Theories		3
Elective			3
	Semester Credit Hours		9
Second Year			
Fall		**TCCN**	
WS 5983	Thesis		3
Elective			3
	Semester Credit Hours		6
Spring		**TCCN**	
WS 5993	Thesis		3
Elective			3
	Semester Credit Hours		6
	Total Semester Credit Hours:		30

Course Work Option (36 semester credit hours)

First Year			
Fall		**TCCN**	**Semester Credit Hours**
WS 5023	Foundations for Scholarly Inquiry in Women's and Gender Studies		3
WS 5463	U.S. Women of Colors		3
Elective			3
	Semester Credit Hours		9
Spring		**TCCN**	
WS 5843	Feminist/Womanist Theories		3
Two Electives			6
	Semester Credit Hours		9
Second Year			
Fall		**TCCN**	
Three Electives			9
	Semester Credit Hours		9
Spring		**TCCN**	
Three Electives			9
	Semester Credit Hours		9
	Total Semester Credit Hours:		36

Doctor of Philosophy in Multicultural Women's and Gender Studies

Total Semester Credit Hours Required

A minimum of 90 semester credit hours beyond the baccalaureate, including a minimum of 15 semester credit hours of guided electives and 12 semester credit hours for dissertation. The doctoral degree is flexible and individually-tailored in order to most effectively meet each student's research interests and career goals. In addition to a set of required program courses, each student will develop an individualized degree plan composed of guided electives in American Studies, Health Studies, Multicultural Studies, Rhetoric/English, or Sociology; research tools; a qualifying examination; a dissertation; and a dissertation defense. Students will select specific courses under the guidance of their graduate committee. See the Ph.D. program (http://www.twu.edu/ws/phd-program.asp) page on the Multicultural Women's and Gender Studies website for further information about guidelines and contacts.

Required Program Courses

WS 6103	New Directions in Feminist/Womanist Theories	3
WS 6203	Women's and Gender Studies Disciplinary / Interdisciplinary Knowledges	3
WS 6303	Transdisciplinary Feminist Research Methods	3
WS 6403	The Politics of Publication and Writing	3

Guided Electives

To enhance the transdisciplinary nature of the Ph.D. in Multicultural Women's and Gender Studies and to assist students in developing additional sets of innovative knowledges and skills, each student, in consultation with the student's graduate committee, will select a 15 semester credit hour concentration in one of the following interdisciplinary or disciplinary areas: American Studies, Health Studies, Multicultural Studies, Rhetoric/English, or Sociology. The specific courses selected should complement or enhance knowledge in the student's anticipated area of research for the dissertation.

Qualifying Examination

A written qualifying examination portfolio will be submitted. The qualifying examination may be repeated once. Students are expected to submit their qualifying examination portfolio within one calendar year of completing the coursework.

Dissertation Defense

An oral defense of the dissertation is required.

Sample Program of Study for the Doctor of Philosophy Degree (minimum of 90 semester credit hours)

Summer coursework is optional. Plan assumes 30 semester credit hours of previous graduate coursework is applied from master's degree.

First Year			
Fall		**TCCN**	**Semester Credit Hours**
WS 5023	Foundations for Scholarly Inquiry in Women's and Gender Studies		3
WS 5363	Feminist/Womanist Epistemologies		3
Guided elective			3
	Semester Credit Hours		9
Spring		**TCCN**	
WS 6103	New Directions in Feminist/Womanist Theories		3
Two guided electives or research tools			6
	Semester Credit Hours		9
Second Year			
Fall		**TCCN**	
WS 6203	Women's and Gender Studies Disciplinary / Interdisciplinary Knowledges		3
WS 6303	Transdisciplinary Feminist Research Methods		3
Guided elective or research tool			3
	Semester Credit Hours		9

Spring		**TCCN**	
WS 6403	The Politics of Publication and Writing		3
Two guided electives or research tools			6
	Semester Credit Hours		9
Third Year			
Fall		**TCCN**	
Qualifying examination, guided electives, or research tools			6
	Semester Credit Hours		6
Spring		**TCCN**	
Qualifying examination or dissertation hours			6
	Semester Credit Hours		6
Fourth Year			
Fall		**TCCN**	
Dissertation hours			6
	Semester Credit Hours		6
Spring		**TCCN**	
Dissertation hours			6
	Semester Credit Hours		6
	Total Semester Credit Hours:		60

Post-Baccalaureate Certificate in Multicultural Women's and Gender Studies

The Department of Multicultural Women's and Gender Studies offers a post-baccalaureate Graduate Certificate, which provides opportunities to develop understanding of Women's and Gender Studies scholarship, including diverse theories of knowledge, power, and social transformation. The Graduate Certificate program is open to students enrolled in any graduate degree program at Texas Woman's University as well as to qualified individuals seeking only the Certificate. For students enrolled in graduate degree programs at TWU, the Certificate provides grounding in feminist research methods and approaches to traditional academic disciplines, while strengthening credentials for college-level teaching in Women's and Gender Studies. For students enrolled only in the Certificate program, the Certificate complements professional work in community agencies and institutions that seek to enhance women's lives and promote social justice.

Admission Requirements for the Certificate Program

Students already admitted to another graduate program at TWU should submit a letter requesting admission and a statement of purpose (500-700 words) describing the relationship of the Certificate to their intellectual and professional goals. These materials should be submitted to the Multicultural Women's and Gender Studies Graduate Certificate Advisor.

TWU graduate students should consult the Chair or Graduate Advisor of their graduate program to determine whether the coursework taken for the Graduate Certificate in Multicultural Women's and Gender Studies will apply toward their degree program. Also, students seeking admission to a TWU master's or doctoral program, in addition to the Graduate Certificate in Multicultural Women's and Gender Studies, must meet the entrance requirements of the degree program. Coursework taken as part of the certificate program may not be counted toward a graduate degree without approval of both the degree-granting department and the Graduate Dean.

Students entering TWU only for the Graduate Certificate in Multicultural Women's and Gender Studies must apply for admission to the Graduate School (http://www.twu.edu/gradschool). In addition to the general requirements for admission to the Graduate School, the Department of Multicultural Women's and Gender Studies also requires a statement of purpose (500-700 words) describing the relationship of the Graduate Certificate to the student's intellectual and professional goals. The statement of purpose should be submitted to the Multicultural Women's and Gender Studies Graduate Certificate Advisor.

Course Requirements for the Certificate Program (minimum of 18 semester credit hours)

A minimum of 18 semester credit hours of coursework at the 5000-level or above, completed with an average grade of B or better and selected in consultation with the Multicultural Women's and Gender Studies Graduate Certificate Advisor.

At least 9 semester credit hours must be selected from the following:

WS 5023	Foundations for Scholarly Inquiry in Women's and Gender Studies
WS 5353	Feminist Pedagogies

WS 5363	Feminist/Womanist Epistemologies
WS 5463	U.S. Women of Colors
WS 5843	Feminist/Womanist Theories
At least 3-9 semester credit hours must be selected from the following:	
WS 5043	Art, Activism, and Social Justice
WS 5093	Law, Gender, and Sexuality
WS 5193	Rights, Race, and Social Justice
WS 5253	Transgressive Identities: Queer Theories and Critical 'Race' Theories
WS 5263	Feminism and Religion
WS 5283	Ecofeminist Theorizing, Spirituality, and Activism
WS 5293	Gloria Anzaldua Seminar: Theories, Politics, and Transformation
WS 5373	Black Feminist Thought
WS 5383	Women At Work: Race, Migration, Labors
WS 5853	Spiritual Activism: Social Justice Theories for Holistic Transformation
WS 5903	Special Topics

Any remaining semester credit hours must be selected in consultation with the Multicultural Women’s and Gender Studies Graduate Certificate Advisor. These electives must be related to Women’s and Gender Studies at the 5000-level or above. All coursework must be taken from offerings in Multicultural Women’s and Gender Studies. For more information and contacts, go to the Graduate Certificate (http://www.twu.edu/ws/graduate-certificate.asp) page on the Multicultural Women’s and Gender Studies website.

School of Management

Web Site: http://www.twu.edu/som/

Director: *Margaret A. Young*, *Professor*
Location: *CFO 507*
Phone: *940-898-2111*
Fax: *940-898-2120*
E-mail: *som@twu.edu*

MHSM Program Director: *Rob Maurer, Associate Professor*
Location: *IHSD 8706*
Phone: *214-689-6560, 940-898-2111*
Fax: *214-689-6591*
E-mail: *rmaurer@twu.edu*

Graduate Degrees Offered

- Executive Master of Business Administration (M.B.A.) (p. 147)
- Master of Business Administration with Accounting Emphasis (M.B.A.) (p. 147)
- Master of Health Systems Management (M.H.S.M.) (p. 148)
- Dual Degree: Executive M.B.A. and M.H.S.M. (p. 149)
- Master of Healthcare Administration (p. 287) (Pending THECB approval, this degree program will transition from the College of Health Sciences to the School of Management during the 2016-2017 academic year.)

The primary objectives of the graduate degree programs offered in the School of Management (SOM) are to produce intellectually well-developed graduates capable of responding to the changing needs of business, industry, health care, government, and education. The School of Management recognizes the worth of every graduate student in the University and strives to provide all students with learning opportunities that will assist them in discovering, using, and developing optimally their individual skills, perspectives, and knowledge. A wide selection of course offerings permits the student to gain a comprehensive view of the fields of business and economics.

Foundation coursework may be required for students who do not have either undergraduate coursework in business, or appropriate business experience. The need for foundation coursework is assessed on an individual case basis by evaluating the student's undergraduate transcripts and current resume. A student may be assigned any of the following foundations courses: BUS 5013 Foundations in Business, BUS 5093 Financial Accounting, and BUS 5753 Foundations of Financial Management.

The Executive M.B.A. program and the M.B.A. (with Accounting emphasis) program are two separate academic programs by which a student may earn the degree – Master of Business Administration.

Executive M.B.A. and the M.B.A. (with Accounting emphasis) Programs

The Executive M.B.A. program is designed to provide a broad foundation in business and economics for individuals interested in a variety of managerial and/or leadership positions. Courses in the Executive M.B.A. program are offered in a variety of formats (primarily online or hybrid) in a number of locations (currently Denton, Alliance, Plano, Dallas, and Houston). Courses may be offered for an entire semester or for a designated shorter period within a semester (e.g., 5 weeks). Most face-to-face meetings for hybrid courses are scheduled on Saturdays. When there are group online class sessions for an online class, such sessions usually convene on a designated weeknight. There are a few elective courses which are offered in a face-to-face format and meet in Denton.

M.B.A. (with Accounting emphasis)

The M.B.A. (with Accounting emphasis) is designed for students wanting to continue their education in accounting, often in preparation for the CPA exam. While a bachelor's degree in Accounting is not required to enter this program, students must have completed the prerequisite course requirements (p. 147). Many of the TWU graduate Accounting courses are offered in the full semester, online format. Many of the courses also hold regularly scheduled online sessions with faculty. Business courses that comprise the non-Accounting portion of this program are drawn from the E.M.B.A. course offerings.

Master of Health System Management (M.H.S.M.)

The Master of Health System Management (M.H.S.M.) is designed to prepare future executives to assume responsible positions in health care organizations and meet the needs of the working professional. Courses in the M.H.S.M. program are offered in a variety of formats. M.H.S.M. course meetings are always held at the TWU Dallas campus, usually in the evening. E.M.B.A. courses that are a part of the M.H.S.M. program are offered as described in the E.M.B.A. section above.

Dual Degree: Executive M.B.A. and M.H.S.M.

The Executive M.B.A./M.H.S.M. dual degree is designed to combine study of both general business and the business of health services. Graduates will be required to complete 57 credit hours and will receive both degrees. The strength of the dual degree lies in the fact that it applies the theoretical concepts of business administration to the management of health care organizations.

Admissions

Admission Requirements

Please see the TWU Graduate School admissions requirements section (p. 56) at the beginning of this catalog. In addition to these requirements, the minimum standard for unconditional admission is:

- A GPA of at least 3.0 for the last 60 hours of undergraduate coursework. For applicants who have completed post-baccalaureate or graduate coursework, a GPA of at least 3.0 for such coursework is also required. Applicants with a GPA of at least 2.75 may be considered for provisional admission.
- Individuals applying to dual-degree programs must apply and be accepted to each program (both Executive M.B.A. and M.H.S.M.)
- Prerequisite coursework will be required of a particular student based on the desired course of study and their previous academic and/or professional record.
- Students are expected to be proficient in the Microsoft Office suite of products (Word, PowerPoint, Excel, and Access), and in the use of Internet browsers, prior to commencing studies. For students that need to enhance their proficiency in any of these areas, free tutorials are available at Lynda.com.
- Applicants to a School of Management (SOM) Graduate Degree program must submit two letters of reference and a resume directly to the SOM before their applications will be reviewed by the SOM.

  School of Management
  P.O. Box 425738
  Denton, TX 76204-5738

- Applicants may also be asked to participate in a brief interview.

Full time enrollment for graduate students is nine semester credit hours. It is advised that students not enroll in more than nine semester credit hours. This is especially true for working professionals.

Certificates

Graduate Certificate in Accounting

- Certificate in Accounting (p. 149)

Minors

Minors Offered to Students from Other Departments

Master’s level requirements are established by student’s committee in consultation with the School of Management.

Business Courses

BUS 5013. Foundations in Business. Demonstration and application of the functional areas of the business environment with specific emphasis on marketing, management, business ethics, and the global dimensions of business. Three lecture hours a week. Credit: Three hours.

BUS 5093. Financial Accounting. Accounting for service organizations, partnerships, and corporations. Topics include inventory depreciation, fixed assets, short and long-term liabilities, and statement preparation and analysis. Three lecture hours a week. Credit: Three hours.

BUS 5133. Marketing Management. Application of analytical concepts and principles to marketing strategy. Application of marketing concepts such as target marketing, positioning, customer satisfaction, product development, pricing, distribution, and promotion to cases and contemporary issues from a manager's point of view. Three lecture hours a week. Credit: Three hours.

BUS 5153. Research Methods in Business. Business research methods and statistical analysis used in business research. Three lecture hours a week. Credit: Three hours.

BUS 5203. Accounting Information Systems II - Modeling. Computer programs to create simple-to-sophisticated financial models for use in business problem solving and decision making. Prerequisite or co-requisite: BUS 4173 or BUS 5433. Three lecture hours a week. Credit: Three hours.

BUS 5243. Managerial Finance. Analysis of the financial administration of sole proprietorships, corporations, government agencies, and non-profit organizations; short- and long-range financial planning; cash management; capital budgeting; social responsibilities. Three lecture hours a week. Credit: Three hours.

BUS 5263. Organizational Behavior in Business Administration. Organizational problems which involve the human factor; perspective for understanding and predicting behavior in formal organizations; interrelationships of structural and behavioral changes. Survey of research on organization in private and public organizations. Prerequisite: Degree in business or permission of instructor. Three lecture hours a week. Credit: Three hours.

BUS 5273. Human Resource Administration. Human resource programming, job requirements, sources of labor supply, selection procedures, training programs, job evaluation, salary administration, employee communication, union-management relations. Three lecture hours a week. Credit: Three hours.

BUS 5423. Advanced Auditing. An advanced study of auditor's attest function with emphasis on recent developments using practice cases. Topics include: risk assessment, fraud, SEC, and Sarbanes-Oxley. Three lecture hours a week. Credit: Three hours.

BUS 5433. Managerial Accounting. Use of accounting information in decision-making; statement of changes in financial position; budgets, responsibility accounting, and quantitative techniques. Three lecture hours a week. Credit: Three hours.

BUS 5453. Business Leadership. Study of the dynamics of leadership of small groups to large organizations. The application of leadership theory is stressed for both profit and not-for-profit environments. Three lecture hours a week. Credit: Three hours.

BUS 5473. Financial Statement Analysis. In-depth discussion and practice in use of standard tools and methods for the analysis of financial statements. Prerequisite: BUS 3103 or BUS 5433. Three lecture hours a week. Credit: Three hours.

BUS 5483. Accounting for Management Control. Advanced topics in management accounting, such as budgeting, pricing decisions, indirect cost allocations, customer profitability, quality costs, just-in-time and virtual inventory systems, balance scorecard, environmental costing, capacity measurement, benchmarking practices, and performance measurement and compensation. Prerequisite: BUS 3103 or BUS 5433. Three lecture hours a week. Credit: Three hours.

BUS 5493. Accounting Theory. Financial accounting topics related to partnership accounting and consolidations; advanced topics covered on the CPA exam are also covered. Prerequisites: BUS 3023 and BUS 3043. Three lecture hours a week. Credit: Three hours.

BUS 5503. International Business and Economic Study Tour. Directed international Business and Economic Study tour; examination of major trends in a selected foreign country's economic, cultural, and business structures. May be repeated. Three lecture hours a week. Credit: Three hours.

BUS 5513. International Accounting. International accounting principles, reporting and practices in economic development, and changes with FASB and IASB. Prerequisites: BUS 2043 and BUS 2053, or BUS 5433. Three lecture hours a week. Credit: Three hours.

BUS 5523. Management and Organization. Study of the management and administrative roles in business organizations, including hospitals, schools, and government. Principles of management and specific concepts about organizations including behavior, motivation, status, group dynamics, leadership, information decision systems, organizational structure, managerial planning and control. Three lecture hours a week. Credit: Three hours.

BUS 5553. Conflict Resolution. Application of principles and technical tools to solve human resource problems as found in employment, employee education and training, and labor relations. Three lecture hours a week. Credit: Three hours.

BUS 5563. Accounting Ethics. Discussion of ethical theory, analysis of social and professional issues such as ethical decision making, independence, integrity, objectivity, core values and ethical dilemmas from the point of view of a professional accountant. Approved by the Texas State Board of Public Accountancy in sitting for the Uniform CPA Exam. Three lecture hours a week. Credit: Three hours.

BUS 5573. E-Business. Concepts and frameworks for exploring E-Business opportunities; comparison and contrast of various E-Business models and electronic commerce strategies. Three lecture hours a week. Credit: Three hours.

BUS 5583. Accounting Regulation. Advanced study of Individual, Corporate and Partnership taxation based on review of appropriate laws, regulations and administrative guidance: Includes use of cases and research tools. Three lecture hours a week. Credit: Three hours.

BUS 5593. Business Case Analysis. Capstone course for the Business Foundations Certificate. Introduction to business case analysis methodology and integration of knowledge and skills acquired in Business Foundations coursework to complete the analysis. Prerequisites: BUS 5013, BUS 5030, and BUS 5035. Three lecture hours a week. Credit: Three hours.

BUS 5663. Managerial Decision Making. Advanced topics in statistical inference relating to decision-making and research in business and economics; probability theory, tests of hypotheses, sampling and experimental design, multiple correlation and non-parametric statistical methods. Three lecture hours a week. Credit: Three hours.

BUS 5713. Consumer Ethics. Ethical behaviors crucial to personal and corporate success; the historical concepts of a consumer-based culture; codes of ethics; theoretical models and managerial behaviors as the foundation to investigate ethics and social responsibility. Three lecture hours a week. Credit: Three hours.

BUS 5743. Project Management. Tools and techniques of project selection and management as defined by the Project Management Institute, including network diagrams, critical path analysis, critical chain scheduling, cost estimates, earned value management, and completion of team project management software required. Three lecture hours a week. Credit: Three hours.

BUS 5753. Foundations of Financial Management. Introduction to financial decision making and the valuation of business enterprises; emphasis on use of discounted cash flow techniques and the selection of capital investment projects. Three lecture hours a week. Credit: Three hours.

BUS 5763. Strategic Information Systems. Foundation, structure, development, and implementation of information systems; management and control of corporate information systems; decision-support systems and expert systems; information technology economics; global information systems and knowledge management. Three lecture hours a week. Credit: Three hours.

BUS 5893. Business Strategy and Policy. Capstone course in the MBA program using strategic business analysis to integrate the student's graduate business experience. Comprehensive business case analysis for proposed or actual companies. Three lecture hours a week. Credit: Three hours.

BUS 5903. Special Topics. Variable content. Three lecture hours a week. Credit: Three hours.

BUS 5913. Independent Study. Individual study of specific problems in business. Prerequisite: Permission of instructor. Credit: Three hours.

BUS 5923. Global Business. Similarities and differences in business practices and management styles of global firms across a variety of industries; strategies employed to gain competitive advantage in international markets in the context of NAFTA; impact of history, culture, and current political environment on the global economy. Three lecture hours a week. Credit: Three hours.

BUS 5933. Business Ethics and Legal Environment. A critical examination/evaluation and discussion of ethical alternatives with respect to decision-making and action in business and managerial practice. Examines contemporary cases involving personal, social, and legal issues as well as theoretical and empirical foundations in the classical system of ethics. Three lecture hours a week. Credit: Three hours.

BUS 5953. Cooperative Education. Cooperative work-study arrangement between business, industry, or selected institutions with the University. Preplanning and evaluation will involve 10% of the laboratory hours per week. Maximum enrollment is twelve hours. Nine practicum hours a week. Credit: Three hours.

BUS 5956. Cooperative Education. Cooperative work-study arrangement between business, industry, or selected institutions with the University. Preplanning and evaluation will involve 10% of the laboratory hours per week. Maximum enrollment is twelve hours. Eighteen practicum hours a week. Credit: Six hours.

BUS 5963. Management Operations. Process and project management and development of functional strategies to create value for an employer and their consumers; management tools and approaches for analyzing operations and applications to a wide variety of managerial decisions. Three lecture hours a week. Credit: Three hours.

BUS 5973. Professional Paper. Credit: Three hours.

BUS 5981. The Professional Portfolio. Development of a professional portfolio by students in the Master of Arts in Teaching program demonstrating the student's growth in the Learner-Centered Competencies. Pass-fail grade only. May be repeated. Credit: One hour.

BUS 5983. Thesis. Prerequisite: Permission of instructor. Credit: Three hours.

BUS 5993. Thesis. Prerequisite: Permission of instructor. Credit: Three hours.

Economics Courses

ECO 5143. Advanced Managerial Economics. Application of economic principles and techniques in solving management problems in the areas of demand analysis, sales forecasting, production and cost analyses, pricing policies, capital budgeting, and economic controls; use of linear programming techniques. Three lecture hours a week. Credit: Three hours.

Faculty

Professors

DRISCOLL, PATRICIA T., Professor of Health Systems Management. B.S.N., Incarnate Word; M.S., Texas Woman's University; J.D., Southern Methodist University.

RAISINGHANI, MAHESH, Professor of Business and Economics. B.Comm., Osmania University, India; M.S., University of Texas at Arlington; M.B.A., University of Central Oklahoma; Ph.D., University of Texas at Arlington.

RAMAN, PUSHKALA, Professor of Business and Economics. B.Sc., University of Madras; M.B.A., Indian Institute of Management; Ph.D., Texas A&M University .

RYLANDER, DAVID H., Professor of Business and Economics. B.S., Trinity University; M.B.A., Texas A&M University; Ph.D., University of North Texas.

STANKEY, MICHAEL J., Professor of Business and Economics. B.S., Purdue University; M.S., University of Illinois : Urbana-Champaign; Ph.D., University of Illinois : Urbana-Champaign.

YOUNG, MARGARET, Professor of Business and Economics; Director of the School of Managment. B.B.A., University of Texas at El Paso; M.S., New Mexico State University; Ph.D., New Mexico State University.

Associate Professors

BAKER, PAMELA E., Associate Professor of Business and Economics. B.A., Hendrix College; M.S., University of Houston, Clear Lake; Ph.D., University of North Texas.

CREWS, DEREK, Associate Professor of Management. B.B.A., University of North Texas; M.B.A., University of North Texas; Ed.D., Nova Southeastern University.

MAURER, ROBERT T., Associate Professor of Health Systems Management; Program Director of Health Systems Management : Dallas. B.A., University of Virginia; M.S., Texas Tech University; M.B.A., University of Texas at Austin; Ph.D., University of Texas at Dallas.

NUGENT, JOHN H., Associate Professor of Accounting. B.A., Columbia University; M.B.A., Southeastern University, Washington, DC; D.B.A., Business School Lausanne, Switzerland.

RUSS, MOLLY, Associate Professor of Business and Economics. B.A., University of North Texas; M.A., Louisiana State University; Ph.D., Louisiana State University .

TENGESDAL, MARK O., Associate Professor of Business and Economics. B.A., Pacific Lutheran University; M.A., University of California, Riverside; Ph.D., University of California, Riverside.

WEBB, KERRY S., Associate Professor of Business and Economics. B.A., East Texas Baptist University; M.A., Southwestern Seminary; Ph.D., University of North Texas.

WEREMA, GILBERT J., Associate Professor of Business and Economics. B.B.A., University of Eastern Africa, Kenya; M.B.A., Alabama A&M University; M.S., Alabama A&M University; Ph.D., University of Georgia.

ZOU, LIN, Associate Professor of Finance. B.S., Nanjing University; M.A., Shanghai University of Finance and Economics; M.S., University of Texas at Dallas; Ph.D. (Acct.), Ph.D. (Finance), University of Texas at Dallas.

Assistant Professors

BARUA, MARIA E., Assistant Professor of Business and Economics. B.B.A., University of Texas, El Paso; M.B.A., University of Texas, El Paso; Ph.D., University of Texas at El Paso.

HARRIS, CHRISTOPHER M., Assistant Professor of Business and Economics. B.B.A., Belmont University; M.B.A., University of Nebraska, Omaha; Ph.D., University of Texas at Arlington.

HORN, DEWAYNNA R., Assistant Professor of Business and Economics. B.S., Belhaven College; M.B.A., Millsaps College; Ph.D., Jackson State University.

RADIGHIERI, JEFFREY, Assistant Professor of Business and Economics. B.B.A., Texas A&M University; M.B.A., University of Montana; Ph.D., Washington State University at Pullman.

Visiting Professor

HUFFT, EDWARD M.Jr., Visiting Professor of Business and Economics. B.S., Louisiana State University and A & M College; M.B.A., University of Houston; Ph.D. University of Kentucky.

Visiting Lecturers

CARFAGNO, LOUIS F., Visiting Lecturer I of Business and Economics. B.S., Embry-Riddle Aeronautical University; M.S., Embry-Riddle Aeronautical University; D.M., University of Phoenix.

POMELNIKOV, ALEXEY G., Visiting Lecturer I of Business and Economics. B.B.A., University of Texas System : Arlington; M.B.A., University of Dallas; M.S., Ivanovo State Power University; Ph.D., Ivanovo State Power University.

Executive Master of Business Administration (M.B.A.)

Semester Credit Hours Required

36 Semester credit hours required.

Executive Master of Business Administration Program of Study (36 semester credit hours)

Courses may be taken in any sequence, with 3 exceptions:

1. Students should complete BUS 5433, Managerial Accounting, prior to enrolling in BUS 5243, Managerial Finance
2. All required core classes should be completed prior to taking BUS 5893 Business Strategy and Policy (Capstone); and
3. Students should enroll in BUS 5893 in their last semester of the program.

BUS 5893 Business Strategy and Policy is the Capstone course for the program. In this class, students will be required to integrate the knowledge and skills gained in all of the other required courses. Students must have successfully completed, Bus 5133-Marketing Management; Bus 5433-Managerial Accounting, and Bus 5243-Managerial Finance before attempting Business Strategy and Policy. In addition, students must not attempt this course until their last semester of their program.

Required Courses		
BUS 5133	Marketing Management	3
BUS 5243	Managerial Finance	3
BUS 5433	Managerial Accounting	3
BUS 5523	Management and Organization	3
BUS 5663	Managerial Decision Making	3
BUS 5893	Business Strategy and Policy	3
BUS 5933	Business Ethics and Legal Environment	3
BUS 5153	Research Methods in Business	3
Electives		
Select 12 semester credit hours from the following:		12
BUS 5153	Research Methods in Business	
BUS 5273	Human Resource Administration	
BUS 5453	Business Leadership	
BUS 5483	Accounting for Management Control	
BUS 5503	International Business and Economic Study Tour	
BUS 5553	Conflict Resolution	
BUS 5573	E-Business	
BUS 5713	Consumer Ethics	
BUS 5743	Project Management	
BUS 5923	Global Business	
BUS 5963	Management Operations	
BUS 5763	Strategic Information Systems	
ECO 5143	Advanced Managerial Economics	
Other electives may be approved in consultation with an advisor.		
Total Semester Credit Hours		36

Master of Business Administration with Accounting Emphasis (M.B.A.)

Semester Credit Hours Required

36 semester credit hours.

33 semester credit hours for students with a B.B.A. from TWU.

Prerequisites

While a student pursuing this program does not need to have completed an undergraduate degree in Accounting, it is expected that the following TWU courses (or their equivalent) will have been satisfactorily completed prior to enrollment in the graduate Accounting courses required in this program: BUS 2043, BUS 2053, BUS 3023, BUS 3043, BUS 3063, BUS 4163, and BUS 4423.

Program of Study

Courses may be taken in any sequence, with the exception of BUS 5893 and BUS 5493. BUS 5893 Business Strategy and Policy is the capstone course in the program and students should enroll in this course their final semester of the program. Students will be required to integrate the knowledge and skills gained in all of the other required courses. BUS 5493 Accounting Theory is the Capstone course for the Accounting program. As such, it should be taken in the final semester of the program. At least four of the other required Accounting courses should be successfully completed before the start of BUS 5493.

Required Courses		
BUS 5243	Managerial Finance	3
BUS 5523	Management and Organization	3
BUS 5763	Strategic Information Systems	3
BUS 5893	Business Strategy and Policy	3
ECO 5143	Advanced Managerial Economics	3
Required Courses in Accounting Emphasis		
BUS 5423	Advanced Auditing	3
BUS 5473	Financial Statement Analysis	3
BUS 5483	Accounting for Management Control	3
BUS 5493	Accounting Theory (Capstone for emphasis)	3
BUS 5563	Accounting Ethics	3
BUS 5583	Accounting Regulation	3
Elective		
Select one additional graduate business course from BUS, ECO, or HSM. (excluding BUS 5433)		3
Additional elective not required for students with a BBA from TWU.		
Total Semester Credit Hours		36

Master of Health Systems Management (M.H.S.M.)

Semester Credit Hours Required

45 semester credit hours.

Master of Health Systems Management (M.H.S.M.) Program of Study (45 semester credit hours)

Recommendations regarding course sequence:

1. HSM 5003, HSM 5033, HSM 5053, HSM 5183, HSM 5083, BUS 5433 should be taken early in the program.
2. BUS 5433, HSM 5063, and HSM 5263 must be taken in this order.
3. HSM 5043 should be taken toward the end of the program.
4. HSM 5933 serves as the Capstone course for the program and should be taken in a student's final semester. Enrollment in HSM 5933 will not be allowed prior to completion of all of the HSM courses listed in the above recommendations.

Required Courses		
BUS 5133	Marketing Management	3
BUS 5433	Managerial Accounting	3
BUS 5523	Management and Organization	3
HSM 5003	Management of Health Services Organizations	3
HSM 5033	Health Services Human Resource Management	3
HSM 5043	Legal Foundations of Health Systems Management	3
HSM 5053	Quantitative Methods in Health Systems Management	3
HSM 5063	Financial Management for Health Systems Management	3

HSM 5083	Analysis and Management of Health in Populations	3
HSM 5183	Health Resources and Policy Analysis	3
HSM 5263	Advanced Financial Management for Health Systems Management	3
HSM 5933	Capstone Seminar in Health Systems Management	3
Electives		
Select nine semester credit hours from any graduate level HSM, BUS, or ECO course not shown above.		9
Total Semester Credit Hours		45

Dual Degree: Executive M.B.A. and M.H.S.M.

Semester Credit Hours Required

57 semester credit hours.

Dual Degree: Executive M.B.A. and M.H.S.M. Program of Study (57 semester credit hours)

Recommendations regarding course sequence:

1. HSM 5003 , HSM 5033, HSM 5053 , HSM 5183 , HSM 5083 , BUS 5433 should be taken early in the program.
2. BUS 5433 , HSM 5063 , and HSM 5263 must be taken in this order.
3. HSM 5043 should be taken toward the end of the program.
4. HSM 5933 serves as the Capstone course for the program and should be taken in a student's final semester. Enrollment in HSM 5933 will not be allowed prior to completion of all of the HSM courses listed in the above recommendations.
5. The remaining BUS courses and electives may be taken at any time.

Required Courses		
BUS 5133	Marketing Management	3
BUS 5433	Managerial Accounting	3
BUS 5453	Business Leadership	3
BUS 5523	Management and Organization	3
BUS 5663	Managerial Decision Making	3
BUS 5923	Global Business	3
BUS 5963	Management Operations	3
HSM 5003	Management of Health Services Organizations	3
HSM 5033	Health Services Human Resource Management	3
HSM 5043	Legal Foundations of Health Systems Management	3
HSM 5053	Quantitative Methods in Health Systems Management	3
HSM 5063	Financial Management for Health Systems Management	3
HSM 5083	Analysis and Management of Health in Populations	3
HSM 5183	Health Resources and Policy Analysis	3
HSM 5263	Advanced Financial Management for Health Systems Management	3
HSM 5933	Capstone Seminar in Health Systems Management	3
Electives		
Select nine semester credit hours from any graduate level HSM, BUS, or ECO course not shown above.		9
Total Semester Credit Hours		57

Post-Baccalaureate Certificate in Accounting

Semester Credit Hours Required

18 semester credit hours.

Prerequisites

While a student pursuing this program does not need to have completed an undergraduate degree in Accounting, it is expected that the following TWU courses (or their equivalent) will have been satisfactorily completed prior to enrollment in the graduate Accounting courses required in this program: BUS 2043, BUS 2053, BUS 3023, BUS 3043, BUS 3063, BUS 4163, and BUS 4423.

Post-Baccalaureate Certificate in Accounting Program of Study

A student may take the courses in any sequence, except for BUS 5493 which serves as the Capstone course in this certificate program. A student must satisfactorily complete at least four of the other courses prior to enrollment in BUS 5493.

Required Courses		
BUS 5423	Advanced Auditing	3
BUS 5473	Financial Statement Analysis	3
BUS 5483	Accounting for Management Control	3
BUS 5493	Accounting Theory (taken in last semester of enrollment)	3
BUS 5563	Accounting Ethics	3
BUS 5583	Accounting Regulation	3
Total Semester Credit Hours		18

School of the Arts

Web Site: http://www.twu.edu/arts

Co-Coordinators:

Mary Williford-Shade, Professor
Location: *DGL 206A*
Phone: *940-898-2086*
Fax: *940-898-2098*

Pamela Youngblood, Professor
Location: *MUSIC 114*
Phone: *940-898-2500*
Fax: *940-898-2494*

Graduate Degrees Offered

- M.A., M.F.A., and Ph.D. in Dance
- M.A. in Drama
- M.A. in Music (with emphasis in Music Therapy, Music Education, Music Pedagogy, and Music Performance)
- M.A. in Art (with concentration in Art Education, Art History, Ceramics, Graphic Design, Painting, Photography, and Sculpture)
- M.F.A. in Art (with concentration in Ceramics, Painting, Photography, and Sculpture)

The M.F.A. in Art degree is granted through the Federation of North Texas Area Universities.

The Department of Dance and the Department of Music are institutional members of their respective arts accrediting agencies. See department sections for information.

The School of the Arts brings together the Departments of Dance, Music and Drama, and Visual Arts. The School is a community of artists, educators, therapists, and scholars, and serves a diverse student population, especially women, within a liberal arts context.

Interdisciplinary artistic engagement is integral to the School of the Arts. Student and faculty creative involvement is encouraged, across traditional and new media, in a spirit of innovative and inventive collaboration. The faculty and students in dance, drama, music and visual arts come together to share in performing arts productions, concerts, exhibitions and cross-disciplinary projects and programs. The School is committed to promoting understanding and appreciation of the power of the arts to reflect and influence society and to make a difference in the lives of the people they serve.

Performing and exhibiting facilities include the 1150-seat Margo Jones Performance Hall; the 110-seat Redbud Theatre; Eberly Recital Hall; studio performance spaces in the Dance building and Pioneer Hall; and two professional quality galleries in the Fine Arts Buildings.

Students may major in any one of the departments with degree programs leading to the Master of Arts, Master of Fine Arts and, in Dance, the Doctor of Philosophy degree. Teacher certification programs are offered in dance, music, and visual arts.

Department statements, admissions requirements, degree programs, and course listings for each individual Department are located in the department sections of this catalog and on the department homepages.

For more information please see the School of Arts website (http://www.twu.edu/arts).

Department of Dance

Web Site: http://www.twu.edu/dance/

Chair: *Mary Williford-Shade, Professor*
Location: *DGL 206*
Phone: *940-898-2085*
Fax: *940-898-2098*
E-mail*: dance@twu.edu*

Graduate Degrees Offered

- M.A. in Dance (p. 154)
- M.F.A. in Dance (p. 155)
- M.A.T. (emphasis in dance) (p. 156)
- Ph.D. in Dance (p. 157)

The graduate degree programs in dance are designed to prepare liberally-educated dance professionals for leadership opportunities as artists, educators, and scholars. Emphasizing the intersection of experiential and theoretical learning, the focus is on in-depth and rigorous study of dance in a variety of artistic and cultural contexts. Consistent with the values of a liberal arts education and aesthetic inquiry in both art making and research and writing, the course work seeks to develop competency and creativity in various modes of communication including kinesthetic, written, verbal, and visual. Appropriate to the particular degree program, students develop innovative methodological and pedagogical strategies relative to their areas of dance making and research interests.

The Master of Arts in Dance degree program develops a broad knowledge of the discipline and is concerned with the intersections of theory and practice in the context of artistic, cultural, and educational praxis in dance. Students interested in educational and arts leadership may elect to address issues related to the role and significance of dance in education, the place of dance in society, and the development of personal pedagogical philosophies. Students interested in research and writing may choose to emphasize course work designed to develop the knowledge and research skills necessary to undertake independent research in specialized areas of interest.

The Master of Fine Arts in Dance program provides students with opportunities to acquire and develop the skills and knowledge necessary to participate significantly in the field of contemporary dance. Through the development, implementation, and expansion of individual artistic vision and goals, the program prepares students to excel in critical engagement while exploring innovative formats, venues, and creative processes as a choreographer, performer, researcher/writer, and arts leader. The M.F.A. program is a 3-year program of study focused on developing an understanding of contemporary dance practices that values individual somatic engagement and diverse approaches to implementing artistic visions in shifting professional landscapes, including the ability to use and adapt a variety of technologies in ways that will expand notions of where and how to reach dance audiences.

The Doctor of Philosophy in Dance program is a low-residency cohort program designed for established professionals in the field of dance who are ready to pursue a broadly articulated research agenda. Focusing on theorizing artistic practice, the coursework provides a challenging research-intensive program of study examining and questioning the nature of dance praxis in philosophical, cultural, and historical contexts. Emphasizing an array of mixed research methodologies, the program is designed to prepare doctoral candidates to engage in independent research that will lead to contributions of new knowledge to the field of dance. Students are accepted to the Ph.D. program every other year to begin study in the summers of even years. On-campus residencies consist of summer intensives, as well as one-week campus visits during the Fall and Spring semesters. Students will be continually engaged in their coursework throughout each semester and will work closely with faculty and their doctoral colleagues in the program. The residential intensives, interwoven with web-based interactions, will facilitate scholarly discourse intended to connect the exploration of artistic practice and pedagogy with students' professional and research interests.

Texas Woman's University Department of Dance is an accredited institutional member of the National Association of Schools of Dance.

Admissions

Admission Requirements

Please see the admission's section (p. 56) in this catalog. In addition to these general requirements, specific application procedures, detailed programs of study, and relevant Department of Dance policies and procedures for each of the degree programs are available in the Dance Department Office or website (http://www.twu.edu/dance).

Minors

Minors Offered to Students from Other Departments

The requirements for a minor in dance at the master's level and doctoral level are determined in consultation with the student's advisory committee and a member of the graduate faculty in dance. A minor for a master's degree requires a minimum of 6 semester credit hours and a minor for a doctoral degree requires a minimum of 12 semester credit hours.

Courses

DNCE 5023. Methods of Research in Dance. The role and tools of research in dance. Types of strategies and investigative techniques with focus on qualitative research. Three lecture hours a week. Credit: Three hours.

DNCE 5101. Dance Performance/Choreography. Participation in the choreographic, performance, and/or production aspects of dance concerts. May be repeated once for additional credit. Prerequisite: Dance major or permission of instructor. Four studio hours a week. Credit: One hour.

DNCE 5211. Workshop in Dance. Enrichment experiences in dance with distinguished guest artists: technique, performance, or choreography. May be repeated for additional credit. Credit: One hours.

DNCE 5222. Workshop in Dance. Enrichment experiences in dance with distinguished guest artists: technique, performance, or choreography. May be repeated for additional credit. Credit: Two hours.

DNCE 5223. Historical and Cultural Study of Dance. Role of mimesis, spirituality, rebellion, and creativity in dance performance and choreography within specific historical periods and cultures and the relationship to the artistic practice of contemporary dance artists. Three lecture hours a week. Credit: Three hours.

DNCE 5233. Workshop in Dance. Enrichment experiences in dance with distinguished guest artists: technique, performance, or choreography. May be repeated for additional credit. Credit: Three hours.

DNCE 5243. Pedagogical Foundations for Dance. Analysis of dance genres and application of learning theories and teaching models to dance technique. Examination of concepts related to the development of the technically proficient and artistically expressive dancer. Three lecture hours a week. Credit: Three hours.

DNCE 5253. Artistic Process. Aesthetic and theoretical issues related to the nature of art making in dance and educating the dance artist: emphasis on the person, process, and product. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

DNCE 5281. Advanced Ballet Technique I. Advanced technique class in ballet. May be repeated once for additional credit. Prerequisite: Permission of instructor. Three studio hours a week. Credit: One hour.

DNCE 5291. Advanced Ballet Technique II. Advanced technique class in ballet continuing from Advanced Ballet I. May be repeated once for additional credit. Prerequisite: Permission of instructor. Three studio hours a week. Credit: One hour.

DNCE 5301. Techniques in Contemporary Dance I. Advanced technique in modern dance. May be repeated once for additional credit. Prerequisite: Permission of instructor. Four and one-half studio hours a week. Credit: One hour.

DNCE 5311. Techniques in Contemporary Dance II. Advanced technique in modern dance continuing from DNCE 5301. May be repeated once for additional credit. Prerequisite: Permission of instructor. Four and one-half studio hours a week. Credit: One hour.

DNCE 5433. Contemporary Contexts of Dance. Current aesthetics in dance from a theoretical perspective and the philosophical, artistic, pedagogical, and cultural contexts in which dance as an art form finds meaning. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

DNCE 5903. Special Topics. Specially scheduled course on topic of current interest. May be repeated for additional credit. Lecture, or lecture and laboratory. Credit: Three hours.

DNCE 5911. Independent Study. Individual research leading to the solution of a problem of professional interest and significance. May be repeated for additional credit. Credit: One hour.

DNCE 5913. Independent Study. Individual research leading to the solution of a problem of professional interest and significance. May be repeated for additional credit. Credit: Three hours.

DNCE 5933. Internship. Supervised practical experience in an agency or organization related to the intellectual and career interests of students. Ten practicum hours a week. Credit: Three hours.

DNCE 5973. Professional Paper. Research and preparation of a scholarly paper on a topic of interest and value to the student. May be repeated, but only three hours may apply on degree. Credit: Three hours.

DNCE 5983. Thesis. Prerequisite: DNCE 5023. Credit: Three hours.

DNCE 5993. Thesis. Prerequisite: DNCE 5983. Credit: Three hours.

DNCE 6023. Critical Analysis of Professional Literature. A thorough study and critical analysis of the literature in the student's major and/or minor areas of specialization; emphasis on theory analysis and theory development. May be repeated for additional credit. Three lecture hours a week. Credit: Three hours.

DNCE 6103. Choreographies of Writing. Overview and practice of diverse writing methods for describing and analyzing dance in order to develop an approach to writing that responds to and furthers a particular choreographic argument and style. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

DNCE 6113. Seminar. Informal, small group study of special problems or current issues in dance. May be repeated for additional credit. Three seminar hours a week. Credit: Three hours.

DNCE 6203. Scholarly Inquiry for Dance. Complex theoretical ideas related to the practice of dance through the analysis of various authors in the fields of cultural and critical theory. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

DNCE 6213. Current Issues in Historical Inquiry in Dance. How dance practice over time and across cultures has shaped the presentation of dance in contemporary society; the role of movement appropriation, dance reconstruction, and current theories of performance and gender. Prerequisite: Doctoral standing or permission of instructor. Three lecture hours a week. Credit: Three hours.

DNCE 6303. Research Methodologies for Dance. Diverse research methodologies emphasizing qualitative research in the arts. Development of techniques for data collection emerging from research purpose statements, research questions, and student's research interests. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

DNCE 6323. Philosophical Inquiry in Dance. Aesthetic inquiry as a process for examining ontological and epistemological issues in dance with a focus on metaphoric process, hermeneutics, critical theory, and the presence of physicality in philosophical writing. Prerequisite: Doctoral standing or permission of instructor. Three lecture hours a week. Credit: Three hours.

DNCE 6403. Research Data Collection and Analysis For Dance. Continuation of research data collection skills developed in DNCE 6303 with an emphasis on differing data analysis tools and techniques specific to qualitative research methodologies and selected mixed methods in the arts and performance. Prerequisites: DNCE 6303 and permission of instructor. Three lecture hours a week. Credit: Three hours.

DNCE 6503. Research Colloquium. Oral and visual presentation summarizing student's areas of research interests, intended methodology, and importance of research to the field of dance. Preparation of doctoral students to present scholarship in professional dance organizations. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

DNCE 6911. Independent Study. Individual research leading to the solution of a problem of professional interest and significance. May be repeated for additional credit. Prerequisite: DNCE 5023. Credit: One hour.

DNCE 6913. Independent Study. Individual research leading to the solution of a problem of professional interest and significance. May be repeated for additional credit. Prerequisite: DNCE 5023. Credit: Three hours.

DNCE 6983. Dissertation. Prerequisite: Successful completion of the Qualifying Examinations. Credit: Three hours.

DNCE 6993. Dissertation. Prerequisite: DNCE 6983. Credit: Three hours.

Faculty

Professors

CALDWELL, LINDA A., Professor of Dance. B.A., University of Iowa; M.F.A., University of Wisconsin, Madison; Ph.D., Texas Woman's University; C.M.A., Laban-Bartenieff Institute of Movement Studies.

WILLIFORD-SHADE, MARY A., Professor of Dance; Chair of the Department of Dance; Co-Coordinator of the School of the Arts. B.Ed., University of Arkansas; M.F.A., Ohio State University, Columbus; C.M.A., Laban-Bartenieff Institute of Movement Studies.

Associate Professors

FUCHS, JORDAN L., Associate Professor of Dance. B.A., Oberlin College; M.F.A., Ohio State University, Columbus.

GAMBLIN, SARAH A., Associate Professor of Dance. B.F.A., Ohio University, Athens; M.F.A., University of Washington.

Assistant Professors

CANDELARIO, ROSEMARY A., Assistant Professor of Dance. B.A., Boston University; M.A., University of California, Los Angeles; Ph.D., University of California, Los Angeles.

HENLEY, MATTHEW K., Assistant Professor of Dance. B.A., University of Arizona; B.F.A, University of Arizona; M.F.A. University of Washington, Ph.D., University of Washington.

Master of Arts in Dance

Total Semester Credit Hours Required

36 semester credit hours, including hours for thesis or professional project/paper.

Minor

Optional

Comprehensive Final Examination

Oral examination encompassing academic and artistic aspects of the program. May be repeated once at discretion of the committee.

Master of Arts in Dance Program of Study (36 semester credit hours)

Studio Work		
Graduate Level Technique (Level III or IV, or approved substitution. One in each of four semesters)		
Select 7 semester credit hours from the following:		7
DNCE 5281	Advanced Ballet Technique I	
DNCE 5291	Advanced Ballet Technique II	
DNCE 5301	Techniques in Contemporary Dance I	
DNCE 5311	Techniques in Contemporary Dance II	
DNCE 5233	Workshop in Dance (Summer 1, recommended after first year)	
Theory		
DNCE 5023	Methods of Research in Dance	3
DNCE 5223	Historical and Cultural Study of Dance	3
DNCE 5243	Pedagogical Foundations for Dance	3
DNCE 5433	Contemporary Contexts of Dance	3
Professional Project/Paper or Thesis		
Select 6 credit hours of the following options:		6
DNCE 5913	Independent Study (Professional Project)	
DNCE 5973	Professional Paper	
DNCE 5983	Thesis (I)	
DNCE 5993	Thesis (II)	
Electives in Consultation with Advisor		
Select one of the following options:		11
11 semester credit hours with Professional Paper/ Project		
11 semester credit hours with Thesis I & II		
Total Semester Credit Hours		36

Master of Fine Arts in Dance

Total Semester Credit Hours Required

63 semester credit hours, including choreography/performance culminating project and professional paper. The M.F.A. is a three-year course of study.

Special Requirements

Continuation in the program is contingent upon successful completion of the first year review.

Comprehensive Final Examination

Oral examination encompassing academic and artistic aspects of the program. May be repeated once at discretion of the committee.

Special Requirements for all Master’s Degrees

Students are required to maintain a grade point average of 3.0 or better in all courses applied to the degree. A grade of C or below in any course will not count toward the Master of Arts or Master of Fine Arts degree.

Master of Fine Arts in Dance Program of Study (63 semester credit hours)

Program Requirements	
Technique	9
Choreography & Performance	32
Dance Praxis	15

Electives	7
Total Semester Credit Hours	63

Suggested Sequence of Coursework

Year I Fall Semester (Even Years)		
DNCE 5023	Methods of Research in Dance	3
DNCE 5222	Workshop in Dance (The Art of Remembering: Composing the Body in Time and Space)	2
DNCE 5281	Advanced Ballet Technique I	1
DNCE 5301	Techniques in Contemporary Dance I	1
DNCE 5433	Contemporary Contexts of Dance	3
DNCE 5903	Special Topics (Dance Making Project I)	3
Year I Spring Semester (Odd Years)		
DNCE 5101	Dance Performance/Choreography	1
DNCE 5211	Workshop in Dance (Somatic Practices)	1
DNCE 5222	Workshop in Dance (Exploring Alternative Venues and Contexts)	2
DNCE 5243	Pedagogical Foundations for Dance	3
DNCE 5291	Advanced Ballet Technique II	1
DNCE 5311	Techniques in Contemporary Dance II	1
Year II Fall Semester (Odd Years)		
DNCE 5101	Dance Performance/Choreography	1
DNCE 5222	Workshop in Dance (Improvisation: Spontaneous Composition)	2
DNCE 5253	Artistic Process	3
DNCE 5281	Advanced Ballet Technique I	1
DNCE 5301	Techniques in Contemporary Dance I	1
DNCE 5903	Special Topics (Dance Making Project II)	3
Year II Spring Semester (Even Years)		
DNCE 5222	Workshop in Dance (Producing Dance in the Professional Realm)	2
DNCE 5223	Historical and Cultural Study of Dance	3
DNCE 5311	Techniques in Contemporary Dance II	1
DNCE 5903	Special Topics (Dance Making Project III)	3
DNCE 5913	Independent Study (Culminating Project I)	3
Electives		4
Summer I Session - Year I or II		
DNCE 5233	Workshop in Dance (Guest Artist Residency)	3
Year III Fall Semester		
DNCE 5301	Techniques in Contemporary Dance I	1
DNCE 5913	Independent Study (Culminating Project II)	3
Electives		3
Year III Spring Semester		
DNCE 5311	Techniques in Contemporary Dance II (with Contact Improvisation)	1
DNCE 5973	Professional Paper (with Final Oral Presentation)	3
Total Semester Credit Hours		63

Master of Arts in Teaching (emphasis in Dance)

The M.A.T. is designed as a minimum 32 semester credit hour program.

The M.A.T. (emphasis in Dance) is a degree offered by the College of Professional Education (COPE) in collaboration with the Department of Dance. All post-baccalaureate and graduate students seeking certification must comply with admission standards required by the major department and the College of Professional Education. A student in the M.A.T. program will take 9 Dance semester credit hours based upon advising from the Dance Education Program Coordinator. This number may be more than the 9 Semester credit hour minimum. Students may also be required to complete undergraduate courses that are not available at the graduate level in order to fulfill prerequisites.

The remaining credits are determined and administered by COPE and are as follows:

Master of Arts in Teaching (M.A.T.) Program of Study (32 or 38 minimum semester credit hours)

Code	Title	Semester Credit Hours
Pedagogy and Professional Responsibilities		
EDUC 5113	Foundations of Teaching and Learning	3
EDUC 5123	Learning Theory, Development, and Research	3
EDUC 5131	Technology in Assessment and Instruction	1
EDUC 5133	Assessment and Instructional Design and Delivery for Diverse Learners	3
EDUC 5143	Effective Design and Management of the Classroom Environment (EC-12)	3
EDUC 5173	Diversity in the Classroom	3
Academic Specialization		
This is coursework in the field of study. Students will take the Texas Exam of Educator Standards (TExES) in their field of study before or during their first semester in the program.		9
Field-Based Experience		
A full-time, one-semester unpaid professional practicum in a school setting. (All coursework must be completed before beginning student teaching.)		
OR		
A full-time, two-semester internship (6 semester credit hours) in a school setting in which the student is employed and paid as the teacher of record. (This option requires that 12 semester credit hours of pedagogy courses must be completed.)		6-12
Professional Portfolio and Final Assessment		
Each student will maintain a professional portfolio throughout her or his program. The completed portfolio must be submitted for evaluation prior to graduation.		1
Total Semester Credit Hours		32-38

Doctor of Philosophy in Dance

Total Semester Credit Hours Required

90 semester credit hours, including master's degree credits, research tools, and 12 semester credit hours for dissertation.

Work leading to the Ph.D. in Dance requires the completion of at least 90 graduate semester credit hours beyond the bachelor's degree. It is possible to transfer limited hours from work leading to the master's degree or graduate courses taken at another accredited institution. Please note that any transfer hours not part of a completed master's degree are subject to the Graduate School's 10-year time limit. Hours that are part of a completed master's degree are not subject to the 10-year time limit and may be used toward the 90 hours required for the doctoral degree. In consultation with the Advisory Committee, a student may elect to take graduate courses at another institution and transfer those hours to TWU.

Doctor of Philosophy in Dance Program of Study (90 semester credit hours)

The course work listed below includes 39 semester credit hours of required course work (to include 12 semester credit hours of research tools) and 12 semester credit hours of Independent Studies or approved electives for a total of 51 semester credit hours. Students must also complete 12 semester credit hours of Dissertation for total of 63 semester credit hours. Hours from the master's level course work may be transferred in to reach the required 90 semester credit hours for doctoral study.

Summer 1		**TCCN**	**Semester Credit Hours**
DNCE 6103 (Research Tool)	Choreographies of Writing		3
DNCE 6113 (Epistemology of the Body)	Seminar		3
	Semester Credit Hours		6
Fall 1		**TCCN**	
DNCE 6113 (Current Trends in Dance Education and Research)	Seminar		3
DNCE 6203 (Research Tool)	Scholarly Inquiry for Dance		3

DNCE 6913 (Independent Study of Approved Optional Elective)	Independent Study		3
	Semester Credit Hours		9
Spring 1		**TCCN**	
DNCE 6113 (Cultural Approaches to Dance Studies)	Seminar		3
DNCE 6213	Current Issues in Historical Inquiry in Dance		3
DNCE 6913 (Independent Study or Approved Optional Elective)	Independent Study		3
	Semester Credit Hours		9
Summer 2		**TCCN**	
DNCE 6113 (Scholarly Writing and Presentation of Research)	Seminar		3
DNCE 6323	Philosophical Inquiry in Dance		3
	Semester Credit Hours		6
Fall 2		**TCCN**	
DNCE 6113 (Theorizing Performance)	Seminar		3
DNCE 6303 (Research Tool)	Research Methodologies for Dance		3
DNCE 6913 (Independent Study or Approve Optional Elective)	Independent Study		3
	Semester Credit Hours		9
Spring 2		**TCCN**	
DNCE 6403 (Research Tool)	Research Data Collection and Analysis For Dance		3
DNCE 6913 (Research Project) (Optional)	Independent Study		3
DNCE 6913 (Directed Reading—Preparation for Qualifying Exams)	Independent Study		3
	Semester Credit Hours		9
Summer 3		**TCCN**	
DNCE 6503	Research Colloquium		3
	Semester Credit Hours		3
	Total Semester Credit Hours:		51

Research Tools

The following required courses fulfill the research tool requirement (12 semester credit hours):

DNCE 6103	Choreographies of Writing	3
DNCE 6203	Scholarly Inquiry for Dance	3
DNCE 6303	Research Methodologies for Dance	3
DNCE 6403	Research Data Collection and Analysis For Dance	3
Total Semester Credit Hours		12

Residence Requirement

The low-residential format requires three summer intensives and week-long residencies in the Fall and Spring semesters during the two-years of coursework. Low-residential students must be continually enrolled, follow the prescribed sequence of courses, and attend all on-campus residencies. Full-time, in-residence students meet the same residency requirements. Refer to the Department of Dance (http://www.twu.edu/dance) doctoral program webpage for the dates of summer intensives and residencies.

Qualifying Examination

A written and oral examination will be taken covering areas selected by the candidate in consultation with the Advisory Committee. The content, format, administration, and evaluation of the examination will be the responsibility of the Committee. Students are expected to take their qualifying examinations

within one calendar year of completing the coursework. The Qualifying Examination may be repeated once. Following a second disapproval decision, a student will be dismissed from the Ph.D. program without completing the degree.

Final Examination

An oral defense of the dissertation is required. The defense may be repeated once.

Special Requirements for the Doctoral Program

Students must successfully complete core required courses in sequence. A grade of C in a required core course will result in dismissal from the Ph.D. program.

Scheduled According to Student's Individual Research Progress

DNCE 6983	Dissertation (Repeated twice for credit) (Dissertation Prospectus)	3
DNCE 6993	Dissertation (Repeated twice for credit) (Formal Dissertation)	3

Department of Music and Drama

MUSIC

http://www.twu.edu/music/
Chair: *Pamela Youngblood, Professor*
Location: *MUSIC 114*
Phone: *940-898-2500*
Fax: *940-898-2494*
Email: *music@twu.edu*

DRAMA

http://www.twu.edu/drama/
Drama Program Director: *Patrick Bynane, Associate Professor*
Location: *REDBUD 228*
Phone: *940-898-2510*
Fax: *940-898-2655*
Email: *drama@twu.edu*

Degrees in Music

- M.A. in Music with Emphases in:
  - Music Education (p. 165)
  - Music Pedagogy (p. 166)
  - Music Performance (p. 164)
  - Music Therapy (p. 167)
- Dual Degree: M.A. in Music with an Emphasis in Music Therapy/M.S. in Counseling and Development (p. 168)

Degrees in Drama

- M.A. in Drama (p. 170)
- Online-Hybrid M.A. in Drama (p. 171)

The Department of Music and Drama, housed within the School of the Arts, offers the Master of Arts degree in both drama and music, the latter with emphases in music education, music pedagogy, music performance, and music therapy. Description of the drama program begins immediately below. Description of the music programs follows.

Programs in Music

The Master of Arts degree in Music allows qualified students to pursue advanced studies in music with an emphasis in music education, music pedagogy, music performance, or music therapy. The degree offers students the opportunity to expand the depth and breadth of knowledge in their area of emphasis, develop research skills, and engage in career-related experiences. The Master of Arts in Music prepares students for professional careers as therapists, teachers, and performers and serves as a foundation for pursuing doctoral studies in music.

Private Music Lessons

Consult the class schedule for course numbers.

Program in Drama

Course work and stage experience are designed to train well-rounded theatre practitioners who have the ability to function creatively and skillfully in a variety of theatrical situations. Committed to top quality theatre performance and excellence in the classroom, the graduate drama program provides practical as well as academic training for students pursuing careers in professional and educational theatre. Degree concentrations emphasize acting/directing, design/production, or literary/criticism.

Successful completion of a professional paper is required for the Master of Arts Degree. The culminating project can be creative, scholarly or a creative/scholarly hybrid and must meet professional standards. Projects may be selected from such focus areas as directing; acting; stage management; playwriting; technical direction; design; theatre history; or criticism. With permission of the faculty, a project may be completed off the Denton campus.

Admissions

Music Admissions

Graduate students take placement examinations in music history and music theory/aural skills at the beginning of the first year of graduate course work. Appropriate keyboard skills required of the major emphasis will be tested during the first term of enrollment. See the Music Department Graduate Handbook (http://www.twu.edu/music) for additional details.

Master of Arts in Music with an Emphasis in Music Therapy

Students whose bachelor's degrees are in music, but not in music therapy, may apply for admission to the graduate program. However, these students will be admitted provisionally with the stipulation that they complete all equivalency coursework and clinical experience that make them eligible for board certification by the Certification Board for Music Therapists. This equivalency coursework usually consists of about 50 undergraduate semester hours, most of which can be taken concurrently with graduate coursework in a carefully planned program. As part of the undergraduate equivalency coursework, a six-month internship is required prior to removal from provisional status and enrollment in any graduate practicum coursework.

Students whose undergraduate degree is not in music will not be admitted to the graduate program in music with an emphasis in music therapy. Rather, they may apply as post-bachelor's degree students to complete equivalency requirements and/or a second bachelor's degree. Completion of these requirements will lead to eligibility to take the national board certification examination in music therapy.

Music therapy students who do not have the appropriate professional certification (i.e., MT-BC) must complete all eligibility requirements for that exam prior to the awarding of the master's degree in Music with an emphasis in Music Therapy. See the Music Department Graduate Handbook (http://www.twu.edu/music) for current information on admission requirements.

Dual Degree: Master of Arts in Music with an Emphasis in Music Therapy and Master of Science in Counseling and Development

Students interested in completing the dual degree must complete separate applications to BOTH departments/programs through the Graduate School. If a student has already been admitted to the music program, it is only necessary to complete the application process for the M.S. in Counseling and Development and declare the intention to pursue the dual degree option. Dual degree students must declare their intentions to pursue this option prior to the completion of 12 semester credit hours of graduate credit toward their degrees.

Drama Admissions

To apply for admission a prospective student must submit the following materials to the Drama program for review:

1. Letter of intent/application
2. Sample of academic writing
3. Undergraduate GPA of at least 3.0
4. Audition and/or design portfolio (Optional)
5. Interview
6. Resume or CV

Please refer to the Drama Student Handbook at the Drama website (http://www.twu.edu/drama) for additional information, course rotations, and teaching formats.

Minors

Minors offered to students from other Departments

Music

Coursework equivalent to the undergraduate minor in music is required. Six additional graduate semester credit hours of music must be selected in conference with the major and minor advisors.

Drama

Coursework equivalent to the undergraduate minor in Drama is required. Six additional graduate semester credit hours of drama must be selected in conference with the major and minor advisors.

Drama Courses

DRAM 5403. Problems in Production. Advanced theory and practice in the areas of theatrical design, play directing, and acting; practical experience provided by TWU Theatre productions. May be repeated for up to nine hours of credit. Two lecture and two laboratory hours a week. Credit: Three hours.

DRAM 5433. Contemporary Theatre. A study in the trends and developments in the modern theatre, focusing attention on new plays, expanding scenographic ideas, and directorial methods. Three lecture hours a week. Credit: Three hours.

DRAM 5473. Dramatic Criticism and Play Analysis. Analysis of dramatic literature for the theatrical practitioner. Special consideration will be given to the major theories of drama as they pertain to the production of plays. Three seminar hours a week. Credit: Three hours.

DRAM 5483. Theatre History I. A history of the theatre from Ancient Greece through the English Restoration with analysis of the dramatic literature from each major period serving as the basis for discussion. Three lecture hours a week. Credit: Three hours.

DRAM 5493. Theatre History II. A history of the theatre from the eighteenth century to the present with analysis of the dramatic literature from each major period serving as the basis for discussion. Three lecture hours a week. Credit: Three hours.

DRAM 5503. Styles of Acting. Lecture and laboratory experience in the theories and styles of performance, from presentational to representational. Two lecture and two laboratory hours a week. Credit: Three hours.

DRAM 5513. Theatre Management. Instruction in budgets, season selection, grants preparation, long range planning, house management, techniques, and marketing as related to educational and professional theaters. Three lecture hours a week. Credit: Three hours.

DRAM 5521. Theatre in Performance. Laboratory experience course required of all drama master's candidates. Minimum 40 clock hours in rehearsal, performance, or technical crew work. May be repeated for credit. Three laboratory hours a week. Credit: One hour.

DRAM 5533. Advanced Theatrical Design. Lecture and studio experience in the theories and principles of scenic, lighting, costume, or makeup design. May be repeated for up to nine hours of credit. Two lecture and two laboratory hours a week. Credit: Three hours.

DRAM 5543. Speech for the Stage. Instruction and laboratory study of the mechanisms of speech for the actor; training in breath control, articulation, enunciation, pronunciation, and speech melody for the stage. Three lecture hours a week. Credit: Three hours.

DRAM 5901. Special Topics. An organized class for the study of particular area or subject not offered in another scheduled course. Prerequisite: Permission of instructor. One lecture hour a week. Credit: One hour.

DRAM 5903. Special Topics. An organized class for the study of particular area or subject not offered in another scheduled course. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

DRAM 5911. Independent Study. Individual supervisory and tutorial instruction; content might include directed readings, a research project, or other similar studies. Prerequisite: Permission of instructor. Credit: One hour.

DRAM 5913. Independent Study. Individual supervisory and tutorial instruction; content might include directed readings, a research project, or other similar studies. Prerequisite: Permission of instructor. Credit: Three hours.

DRAM 5973. Professional Paper. Credit: Three hours.

Music Courses

MU 5001. Woodwinds. Private lessons for woodwind instruments. One-half hour a week. Credit: One hour.

MU 5002. Woodwinds. Private lessons for woodwind instruments. One hour a week. Credit: Two hours.

MU 5011. Organ. Private organ lessons. One-half hour a week. Credit: One hour.

MU 5012. Organ. Private organ lessons. One hour a week. Credit: Two hours.

MU 5021. Brass. Private lessons for brass instruments. One-half hour a week. Credit: One hour.

MU 5022. Brass. Private lessons for brass instruments. One hour a week. Credit: Two hours.

MU 5031. Piano. Private piano lessons. One-half hour a week. Credit: One hour.

MU 5032. Piano. Private piano lessons. One hour a week. Credit: Two hours.

MU 5061. Strings. Private lessons for stringed instruments. One-half hour a week. Credit: One hour.

MU 5062. Strings. Private lessons for stringed instruments. One hour a week. Credit: Two hours.

MU 5091. Voice. Private voice lessons. One-half hour a week. Credit: One hour.

MU 5092. Voice. Private voice lessons. One hour a week. Credit: Two hours.

MU 5201. Practicum in Music Therapy. Advanced practice of clinical music therapy with diverse populations. Completion of 34 clock hours of clinical experience under the supervision of a board-certified music therapist. Prerequisites: Satisfactory completion of music therapy internship and permission of instructor. Three practicum hours a week. Credit: One hour.

MU 5202. Practicum in Music Therapy. Advanced practice of clinical music therapy with diverse populations. Completion of 67 clock hours of clinical experience. Prerequisites: Satisfactory completion of music therapy internship and permission of instructor. Six practicum hours a week. Credit: Two hours.

MU 5203. Practicum in Music Therapy. Advanced practice of clinical music therapy with diverse populations. Completion of 100 clock hours of clinical experience. Prerequisites: Satisfactory completion of music therapy internship and permission of instructor. Nine practicum hours a week. Credit: Three hours.

MU 5321. Models of Music Therapy Supervision: Graduate Practicum. Examination of various models of music therapy supervision appropriate for graduate education and professional practice. Includes supervision of undergraduate practicum students. Meets requirement for one credit of post-internship graduate practicum. Prerequisite: Music Therapist - Board Certified. May be repeated three times for credit. Two practicum hours a week. Credit: One hour.

MU 5322. Models of Music Therapy Supervision: Advanced Practicum. In-depth examination of various models of music therapy supervision appropriate for graduate education and professional practice. Meets requirement for two credits of post-internship graduate practicum. May be repeated two times for credit. Four practicum hours a week. Credit: Two hours.

MU 5333. Models of Supervision and Administration : Graduate Practicum. An in-depth examination of various models of music therapy supervision and educational administration appropriate for graduate education and professional practice. Meets the requirement for three credits of graduate practicum to be taken post-internship. Not repeatable. Two lecture and two laboratory hours a week. Credit: Three hours.

MU 5391. Percussion. Private percussion lessons. One-half hour a week. Credit: One hour.

MU 5392. Percussion. Private percussion lessons. One hour a week. Credit: Two hours.

MU 5403. Music Theory Pedagogy. Analysis, evaluation, and practical application of current pedagogical approaches and materials used in teaching music theory at the college level. Three seminar hours a week. Credit: Three hours.

MU 5423. Research in Music Education. Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Critique of relevant studies in music education with an emphasis on preparation of a research proposal. Three lecture hours a week. Credit: Three hours.

MU 5431. Guitar. Private guitar lessons. One-half hour a week. Credit: One hour.

MU 5432. Guitar. Private guitar lessons. One hour a week. Credit: Two hours.

MU 5433. Psychological Foundations of Music Education. Investigation of the psychological foundations of music; music perception, physiological responses to music, music and the brain, musical attributes, music learning, and the measurement of musical behavior. Three lecture hours a week. Credit: Three hours.

MU 5511. Opera Ensemble. Provides singers the opportunity to experience all facets of operatic production through acting; movement: set building; hair, costume, and makeup design: lighting; and directing small scenes. May be repeated for credit: repertoire varies each semester. Four laboratory hours a week. Credit: One hour.

MU 5531. University Chorus. A choral ensemble designed to provide group singing/leadership opportunities for all graduate students. Open to all students regardless of major and/or musical background, without audition. May be repeated for credit. Two rehearsal hours a week. Credit: One hour.

MU 5533. Philosophies and Theories of Music Therapy. A study of therapeutic theories as they relate to music therapy theory and clinical practice. Students will develop a personal philosophy of music therapy as a course outcome. Three seminar hours a week. Credit: Three hours.

MU 5541. Wind Symphony. Performance of standard band repertoire and music from modern composers by students who play wind and percussion instruments. May be repeated for credit: repertoire varies each semester. Four rehearsal hours a week. Credit: One hour.

MU 5543. Multicultural Perspectives in Music Therapy. An exploration of musical idioms, aesthetics, and functions within diverse cultural contexts. Therapeutic issues related to working with clients of diverse backgrounds will be explored and treatment strategies will be developed. Three lecture hours a week. Credit: Three hours.

MU 5551. Concert Choir. A select choral ensemble including leadership experiences for students in graduate school. May be repeated for credit. Prerequisite: Approval of Director. Four rehearsal hours a week. Credit: One hour.

MU 5553. Seminar in Music. Selected research projects in music literature. Prerequisite: Permission of instructor. Three seminar hours a week. Credit: Three hours.

MU 5571. Jazz Ensemble. Performance of standard and modern jazz repertoire for large ensemble and combo by students who play wind and percussion instruments. May be repeated for credit; repertoire varies each semester. Three rehearsal hours a week. Credit: One hour.

MU 5581. Chamber Music. A select chamber ensemble for students in graduate level music curriculum. May be repeated for credit. Prerequisite: Permission of instructor. Two rehearsal hours a week. Credit: One hour.

MU 5591. Vocal Ensemble. Select opera workshop, music theatre ensemble, or mixed vocal ensemble. May be repeated for credit. Prerequisite: Audition. Three to five rehearsal hours a week. Credit: One hour.

MU 5643. Research on Music and Behavior. An advanced study of the relationships among music, behavior, and therapeutic interventions with an emphasis on qualitative, small-sample, and quantitative experimental proposals suitable for their professional papers/thesis as a course outcome. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

MU 5653. History and Philosophy of Music Education. Historical perspective and philosophical issues that provide the basis for contemporary music education. Three seminar hours a week. Credit: Three hours.

MU 5663. Seminar in Music Curriculum and Methodology. Evaluation of teaching methods, learning processes, curriculum, and teacher identity as a basis for improving music pedagogy. Three seminar hours a week. Credit: Three hours.

MU 5753. Music Pedagogy I. A comparison and analysis of current pedagogical approaches to the teaching of voice or instrument; attention to specific problems of the literature and technique, including appropriate studies in anatomy, physiology, and acoustics; particular emphasis upon the teaching of the younger student. Three lecture hours a week. Credit: Three hours.

MU 5763. Music Pedagogy II. A continuation of MU 5753 with additional emphasis on advanced pedagogy suited to a university setting and/or the private studio. Class/studio observation is required. Three lecture hours a week. Credit: Three hours.

MU 5803. Graduate Recital. Preparation and presentation of a public recital; content selected in consultation with applied teacher. May be repeated for credit. Prerequisite: Permission of instructor. Credit: Three hours.

MU 5901. Special Topics. An organized class for the study of particular area of subject not offered in another scheduled course. Prerequisite: Permission of instructor. One lecture hour a week. Credit: One hour.

MU 5903. Special Topics. An organized class for the study of particular area or subject not offered in another scheduled course. Three lecture hours a week. Prerequisite: Permission of instructor. Credit: Three hours.

MU 5911. Independent Study. Individual supervisory and tutorial instruction; content might include directed readings, a research project, practicum, or other similar studies. Prerequisite: Permission of instructor. Credit: One hour.

MU 5913. Independent Study. Individual supervisory and tutorial instruction; content might include directed readings, a research project, or other similar studies. Prerequisite: Permission of instructor. Credit: Three hours.

MU 5933. Styles in Music. A comprehensive review of music literature, theory, performance practice, and cultural trends from specific historic periods. Three lecture hours a week. Credit: Three hours.

MU 5973. Professional Paper. Credit: Three hours.

MU 5981. The Professional Portfolio. Development of a professional portfolio by students in the Master of Arts in Teaching program demonstrating the student's growth in the Learner-Centered Competencies. Pass-fail grade only. May be repeated. Credit: One hour.

MU 5983. Thesis. Credit: Three hours.

MU 5993. Thesis. Prerequisite: MU 5983. Credit: Three hours.

Faculty

Professors

COHEN, NICKI S., Professor of Music. B.S., Duquesne University; M.A., University of Denver; Ph.D., University of Kansas.

HADSELL, NANCY A., Professor of Music. B.A., University of Georgia; M.M.E., University of Georgia; Ph.D., University of Kansas.

SHUSTER, RICHARD J., Professor of Music. B.Mus., Indiana University-Bloomington; M.M., University of Rochester; D.M.A., University of Rochester.

YOUNGBLOOD, PAMELA J., Professor of Music; Chair of the Department of Music and Drama; Co-Coordinator of the School of the Arts. B.M., Union University; M.M., University of North Texas; D.M.A., University of North Texas.

Associate Professors

BAKER, VICKI D., Associate Professor of Music. B.A., Texas A&M University, Corpus Christi; M.A., Texas Woman's University; Ph.D., Texas Tech University.

BYNANE, PATRICK M., Associate Professor of Drama; Program Director of Drama. B.A., Ashland University; M.A., Southwest Missouri State University; Ph.D., Louisiana State University .

GORMAN, RHONDA, Associate Professor of Drama. B.F.A., Texas Christian University; M.F.A., Southern Methodist University.

JENSEN, JONI L., Associate Professor of Music. B.Mus., Brigham Young University; M.M., Brigham Young University; D.M.A., University of Arizona.

YOUNG, STEVEN W., Associate Professor of Drama. B.A., University of Northern Iowa; M.F.A., Illinois State University.

Assistant Professors

WOOLERY, DANIELLE N., Assistant Professor of Music. B.M., University of North Texas; M.M., Webster University; D.M.A., University of Miami.

ZANDERS, MICHAEL L., Assistant Professor of Music. B.M., Temple University; M.M., Temple University; Ph.D., Temple University; .

Master of Arts in Music with an Emphasis in Music Performance

Total Semester Credit Hours Required

36 semester credit hours

Special requirement

A grade of A or B for courses to be counted toward the degree.

Final Examination

An oral examination will include a comprehensive review of the major area of emphasis, the culminating project, and evaluation of musical styles. The result of the exam will be reported as:

1. pass;
2. not pass;
3. deferral (exam may only be repeated once).

Master of Arts in Music with an Emphasis in Music Performance Program of Study (36 semester credit hours)

Major Area		
MU 5803	Graduate Recital	3
Performance- Select 12 semester credit hours on major instrument from the following:		12
MU 5001	Woodwinds	
MU 5002	Woodwinds	
MU 5021	Brass	
MU 5022	Brass	
MU 5031	Piano	
MU 5032	Piano	
MU 5061	Strings	
MU 5062	Strings	
MU 5091	Voice	
MU 5092	Voice	
MU 5391	Percussion	
MU 5392	Percussion	
MU 5431	Guitar	
MU 5432	Guitar	
MU 5541	Wind Symphony	
MU 5511	Opera Ensemble	
MU 5551	Concert Choir	
MU 5571	Jazz Ensemble	
MU 5581	Chamber Music	
MU 5591	Vocal Ensemble	
Other Studies in Music		
MU 5423	Research in Music Education	3
MU 5933	Styles in Music	3
MU 5403	Music Theory Pedagogy	3
or MU 5903	Special Topics	
(Must be MU 5903 ST: Analytical Techniques)		
MU 5553	Seminar in Music	3
Electives		
Not specified. Select nine semester credit hours		9
Total Semester Credit Hours		36

Master of Arts in Music with an Emphasis in Music Education

Total Semester Credit Hours Required

36 semester credit hours

Special requirement

A grade of A or B for courses to be counted toward the degree.

Final Examination

An oral examination will include a comprehensive review of the major area of emphasis, the culminating project, and evaluation of musical styles. The result of the exam will be reported as:

1. pass;
2. not pass;
3. deferral (exam may only be repeated once).

Master of Arts in Music with an Emphasis In Music Education Program of Study (36 semester credit hours)

Major Area		
MU 5423	Research in Music Education	3
MU 5433	Psychological Foundations of Music Education	3
MU 5653	History and Philosophy of Music Education	3
MU 5663	Seminar in Music Curriculum and Methodology	3
Other Studies in Music		
MU 5933	Styles in Music	3
MU 5403	Music Theory Pedagogy	3
or MU 5903	Special Topics	
(Must be MU 5903 ST: Analytical Techniques)		
Thesis or Professional Paper Options. Select one of the following options:		6
Professional Paper Option		
MU 5973	Professional Paper	
Music Electives (3 credits)		
OR Thesis Option		
MU 5983	Thesis	
MU 5993	Thesis	
Select 12 semester credit hours from music or education.		12
Total Semester Credit Hours		36

Master of Arts in Music with an Emphasis in Music Pedagogy

Total Semester Credit Hours Required

36 semester credit hours

Special requirement

A grade of A or B for courses to be counted toward the degree.

Final Examination

An oral examination will include a comprehensive review of the major area of emphasis, the culminating project, and evaluation of musical styles. The result of the exam will be reported as:

1. pass;
2. not pass;
3. deferral (exam may only be repeated once).

Master of Arts in Music with an Emphasis In Music Pedagogy Program of Study (36 semester credit hours)

A lecture-recital will satisfy the recital requirement. Voice pedagogy students take a placement exam in sight reading and keyboard proficiency, and are expected to be proficient in German, French, and Italian diction.

Major Area		
MU 5553	Seminar in Music	3
MU 5753	Music Pedagogy I	3
MU 5763	Music Pedagogy II	3
MU 5803	Graduate Recital	3
Other Studies in Music		
MU 5423	Research in Music Education	3
MU 5933	Styles in Music	3
MU 5403	Music Theory Pedagogy	3
or MU 5903	Special Topics	
(Must be MU 5903 ST: Analytical Techniques)		
Performance: Select 9 semester credit hours from the following:		9
MU 5001	Woodwinds	
MU 5002	Woodwinds	
MU 5021	Brass	
MU 5022	Brass	
MU 5031	Piano	
MU 5032	Piano	
MU 5061	Strings	
MU 5062	Strings	
MU 5091	Voice	
MU 5092	Voice	
MU 5391	Percussion	
MU 5392	Percussion	
MU 5431	Guitar	
MU 5432	Guitar	
MU 5541	Wind Symphony	
MU 5571	Jazz Ensemble	
MU 5581	Chamber Music	
MU 5511	Opera Ensemble	
MU 5551	Concert Choir	
MU 5591	Vocal Ensemble	
Electives		
Not specified. Select 6 semester credit hours.		6
Total Semester Credit Hours		36

Master of Arts in Music with an Emphasis in Music Therapy

Total Semester Credit Hours Required

36 semester credit hours

Special requirement

A grade of A or B for courses to be counted toward the degree.

Final Examination

An oral examination will include a comprehensive review of the major area of emphasis, the culminating project, and evaluation of musical styles. The result of the exam will be reported as:

1. pass;
2. not pass;
3. deferral (exam may only be repeated once).

Master of Arts in Music with an Emphasis In Music Therapy Program of Study (36 semester credit hours)

Major Area		
MU 5533	Philosophies and Theories of Music Therapy	3
MU 5543	Multicultural Perspectives in Music Therapy	3
MU 5911	Independent Study (Taken 3 times. Music Therapy Clinical Electives: relaxation, imagery, improvisation, practicum.)	3
Professional Paper or Thesis Options. Select One of the following options:		6
Professional Paper Option		
MU 5973	Professional Paper	
Music Electives (3 credits)		
OR Thesis Option		
MU 5983	Thesis	
MU 5993	Thesis	
Other Studies in Music		
MU 5933	Styles in Music	3
MU 5643	Research on Music and Behavior	3
MU 5403	Music Theory Pedagogy	3
or MU 5903	Special Topics	
(Must be MU 5903 ST: Analytical Techniques)		
Music Electives (3 credits)		3
Electives		
Select 9 semester credit hours from psychology, sociology, music therapy, social work, special education, drama, business or economics or other approved courses.		9
Total Semester Credit Hours		36

Electives

Approved electives may be selected from psychology, sociology, music therapy, social work, special education, drama, business and economics, music education, applied music, and other fields appropriate to the student's goals. Students may choose to complete a minor in a related field with the approval of the music therapy advisor and the appropriate department.

Testing for drugs, specific immunizations in addition to those required by TWU, proof of personal medical insurance, and/or passing a criminal background check may be required by certain facilities associated with the required clinical work or for certification. If students are unable to be cleared on any of these requirements, they may not be eligible to continue in the program or to obtain certification. The cost of any required background checks, immunizations, and/or drug testing are the responsibility of the student.

Certification as a Music Therapist (MT-BC) is achieved by passing a national examination administered by the Certification Board for Music Therapists. Completion of the undergraduate equivalency or an undergraduate degree in music therapy does not guarantee eligibility to take the board certification exam. Questions regarding specific criminal background and its possible effects on eligibility for board certification should be addressed directly to the Certification Board for Music Therapists.

Dual Degree: M.A. in Music (Emphasis in Music Therapy)/M.S. in Counseling and Development

TWU offers graduate music therapy students the alternative to complete a dual degree program. This program grants both the Master of Arts in Music (with an emphasis in Music Therapy) and the Master of Science in Counseling and Development. No student will be granted the dual degrees until she/he is eligible for the board certification exam in music therapy (i.e., the student must have completed the equivalency program including internship or already have completed an approved undergraduate degree in music therapy).

Students pursuing the dual degree option will have two advisors – one in the Department of Music and Drama and another in the Department of Family Sciences – to assure proper sequencing of courses.

Dual Degree Plan: Master of Arts in Music with an Emphasis in Music Therapy and Master of Science in Counseling and Development (64 semester credit hours)

Code	Title	Semester Credit Hours
Music Core		
MU 5933	Styles in Music	3
MU 5643	Research on Music and Behavior	3
MU 5973	Professional Paper	3
MU 5403	Music Theory Pedagogy	3
or MU 5903	Special Topics	
(must be MU 5903 ST: Analytical Techniques)		
Music Therapy Area		
MU 5533	Philosophies and Theories of Music Therapy	3
MU 5543	Multicultural Perspectives in Music Therapy	3
FS 5894	Internship in Counseling (joint internship in music therapy and counseling with joint supervision by MU and FS faculty)	4
Counseling Area		
FS 5003	Lifespan Human Development	3
FS 5303	Professional Orientation and Ethics in Counseling	3
FS 5313	Counseling Theory and Practice	3
FS 5323	Psychological Appraisal of the Individual	3
FS 5353	Clinical Diagnosis and Treatment Planning for Counselors	3
FS 5363	Prepracticum	3
FS 5364	Practicum in Counseling and Development	4
FS 5373	Group Counseling Procedures	3
FS 5443	Multicultural Counseling	3
FS 5453	Counseling for Career Development	3
FS 5493	Community Mental Health Counseling	3
FS 5894	Internship in Counseling	4
FS 5911	Independent Study (Counseling and Development Portfolio)	1
Counseling Elective		3
Total Semester Credit Hours		64

Testing for drugs, specific immunizations in addition to those required by TWU, proof of personal medical insurance, and/or passing a criminal background check may be required by certain facilities associated with the required clinical work or for certification/licensure. If students are unable to be cleared on any of these requirements, they may not be eligible to continue in the program or to become certified/licensed. The cost of any required background checks, immunizations, and/or drug testing are the responsibility of the student.

Certification as a Music Therapist (MT-BC) is achieved by passing a national examination administered by the Certification Board for Music Therapists. Students completing the dual degree program must be eligible for board certification in music therapy prior to the awarding of the dual degree. Eligibility for board certification as a music therapist is achieved EITHER by completing an undergraduate degree in music therapy prior to admission to the dual degree program OR by completing an undergraduate equivalency program in music therapy concurrently with the dual master's degree curriculum. Completion of the undergraduate equivalency or an undergraduate degree in music therapy does not guarantee eligibility to take the board certification exam. Questions regarding specific criminal background and its possible effects on eligibility for board certification should be addressed directly to the Certification Board for Music Therapists.

Licensure as a Professional Counselor is achieved by passing a state examination, after completion of coursework and the required supervised clinical work (3000 postmaster's internship clock hours). Questions regarding eligibility for licensure as a counselor should be addressed to the Counseling and Development Program Coordinator in the Department of Family Sciences or directly to the Texas State Board of Examiners of Professional Counselors.

Special Note #1

The following courses must be completed prior to enrolling in the Counseling Clinical Competency Sequence:

Code	Title	Semester Credit Hours
FS 5303	Professional Orientation and Ethics in Counseling (Fall 4 weekends)	3
FS 5313	Counseling Theory and Practice	3
FS 5443	Multicultural Counseling	3

Special Note #2

FS 5373 Group Counseling must be taken concurrently with FS 5364.

Special Note #3

Professional competency courses must be taken at TWU in the Department of Family Sciences. The student must take these courses in sequence and earn a grade of CR in each course to advance in the sequence. Any student receiving a PR in one of these courses must retake the course before progressing in the sequence. Students receiving 1(one) PR in a professional competency course must meet with the Counseling and Development faculty before registering for additional courses. Students receiving a C in any course must meet with the Counseling and Development faculty before registering for any additional classes. No two professional competency courses can be taken at the same time. Two grades of C or PR will result in dismissal from the Counseling and Development program.

Special Note #4:

Students who wish to work in Substance Abuse/Chemical Dependency Facilities should consider taking FS 5143 in addition to this 64 semester credit hour curriculum. The substance abuse course may be taken as the counseling elective in the 64 semester credit hour program.

Special Note #5:

Students taking the equivalency program in music therapy while completing the dual degree in counseling and music therapy must complete their music therapy undergraduate internship **before** beginning the graduate practicum/internship sequence in counseling. Exceptions may be made on an individual basis, but in **no case** can a student complete the joint internship in Counseling/MT (the 2nd semester of FS 5894) prior to completing the undergraduate MT internship, as per AMTA requirements.

Refer to the TWU Graduate Catalog for further explanation of policy and procedures.

Required for Graduation with Dual Degree:

Eligibility to take the CBMT Board Certification Examination in Music Therapy 64 Semester Credit Hour Dual Master's Degree Program

Required for Licensure as LPC:

LPC Examination and Postgraduate Experience (3000 hours)

Master of Arts in Drama

Total Semester Credit Hours Required

36 semester credit hours, including 6 semester credit hours for culminating creative projects.

Special Requirements

1. Students are required to maintain a grade point average of 3.0 or better in all courses applied to the graduate degree. A grade of C or below in any drama course will not count toward the Master of Arts degree.
2. No student may begin project work without prior approval of the student's Graduate Committee. Students with limited experience in drama may be asked to take some undergraduate courses as prerequisites for graduate courses.
3. All M.A. candidates will complete a professional paper of no less than 45 pages in length. The paper will emerge from the culminating project created by the student in conjunction with his or her adviser and professional paper committee.

Final Examination

An oral final examination by the student's professional paper committee of the culminating creative project and paper will be given the assessment of one of the following: 1) approval, 2) disapproval, or 3) revise. If either the project or paper is not approved, the student's graduate committee may advise

1. completion of an additional project in the same focus area,
2. a switch in focus areas and completion of a new qualifying and final project, or

3. additional course work before any further project work is attempted. A student may attempt Project I or Project II no more than two times each with special permission from the drama faculty.

Master of Arts in Drama Program of Study (36 semester credit hours)

Required Courses		
DRAM 5433	Contemporary Theatre	3
DRAM 5473	Dramatic Criticism and Play Analysis	3
DRAM 5483	Theatre History I	3
DRAM 5493	Theatre History II	3
DRAM 5521	Theatre in Performance (take 4 times for a total of four credit hours)	1
DRAM 5913	Independent Study (Project I)	3
DRAM 5973	Professional Paper (Project II)	3
Electives		
The remaining 16 semester credit hours are electives offered by the Drama Program and taken after advisement with the program advisor. Select 16 semester credit hours from the following:		20
DRAM 5403	Problems in Production (Advanced Directing)	
DRAM 5403	Problems in Production (Characterization)	
DRAM 5503	Styles of Acting	
DRAM 5513	Theatre Management	
DRAM 5533	Advanced Theatrical Design (Scenery)	
DRAM 5533	Advanced Theatrical Design (Costumes)	
DRAM 5533	Advanced Theatrical Design (Make-Up)	
DRAM 5533	Advanced Theatrical Design (Lighting)	
DRAM 5543	Speech for the Stage	
DRAM 5901	Special Topics (Stage Management)	
DRAM 5901	Special Topics (Sound for the Theatre)	
DRAM 5903	Special Topics (History of Musical Theatre)	
DRAM 5903	Special Topics (History of Costume)	
DRAM 5903	Special Topics (Playwriting)	
DRAM 5903	Special Topics (Intro to Film)	

Online-Hybrid Master of Arts in Drama

The TWU Master of Arts in Drama online-hybrid option is designed for Texas residents who are unable to attend traditional face-to-face courses while they earn college credit towards their Master of Arts in Drama degree.

At least 51% of the total institutional degree is offered by distance learning methods. Some courses are presented in traditional, face-to-face, evening sessions. Other courses combine face-to-face class meetings with regular on-line communication. Still other courses are completely on-line while some are administered through independent study with a Drama Program faculty member. Courses offered as hybrid classes will require 3-6 campus meetings per class.

Classes are offered in the Redbud Theater Complex in Hubbard Hall on the TWU Denton campus and on-line. The TWU Master of Arts degree plan requires 36 semester credit hours for successful completion. The core courses below are mandated; all others are electives.

Online-Hybrid Master of Arts in Drama Program of Study (36 semester credit hours)

Requirements		
DRAM 5433	Contemporary Theatre (offered online)	3
DRAM 5473	Dramatic Criticism and Play Analysis (offered online)	3
DRAM 5483	Theatre History I (offered online)	3
DRAM 5493	Theatre History II (offerd online)	3
DRAM 5521	Theatre in Performance (taken 4 times for a total of four credit hours)	1
DRAM 5913	Independent Study (Project I offered online)	3
DRAM 5973	Professional Paper (Project II offered online)	3
Electives		
Select 16 semester credit hours from the following:		20

DRAM 5403	Problems in Production (Advanced Directing)
DRAM 5403	Problems in Production (Characterization)
DRAM 5503	Styles of Acting
DRAM 5513	Theatre Management (offered as an online-hybrid)
DRAM 5533	Advanced Theatrical Design (Scenery)
DRAM 5533	Advanced Theatrical Design (Costumes)
DRAM 5533	Advanced Theatrical Design (Make-Up)
DRAM 5533	Advanced Theatrical Design (Lighting)
DRAM 5543	Speech for the Stage
DRAM 5901	Special Topics (Stage Management)
DRAM 5901	Special Topics (Sound for the Theatre)
DRAM 5903	Special Topics (History of Musical Theatre)
DRAM 5903	Special Topics (History of Costume, offered online)
DRAM 5903	Special Topics (Playwriting, offered online)
DRAM 5903	Special Topics (Intro to Film, offered online)

Department of Visual Arts

Web Site: http://www.twu.edu/visual-arts/

Chair: *Vagner Whitehead, Associate Professor*
Location: *ART 107*
Phone: *940-898-2530*
Fax: *940-898-2496*
E-mail: *visualarts@twu.edu*

Graduate Degrees Offered

- M.A. in Art (concentration in Art Education) (p. 176)
- M.A. in Art (concentration in: Art History, Ceramics, Graphic Design, Painting, Photography, or Sculpture) (p. 177)
- M.F.A. in Art (concentration in: Ceramics, Painting, Photography, or Sculpture) (p. 178)
- Master of Arts in Teaching (emphasis in Art Education) (p. 179)

The Department of Visual Arts graduate curriculum is structured to meet the needs of each individual admitted to the program. A program of study, subject to the approval of the Department of Visual Arts Chair and the Dean of the Graduate School, is developed after consultation with the major advisor. Additionally, an advisory committee is appointed consisting of the primary and secondary advisors, and one other faculty member. The purpose of the committee is to assist and counsel the student as he or she progresses through the paper/project and/or exhibition. Should the need arise, the student may petition for modification of the program of study.

The M.F.A. degree is granted through the Federation of North Texas Area Universities.

For further information, please visit the Visual Arts website (http://www.twu.edu/visual-arts/default.asp).

Admissions

Graduate Admission Process

Application to the Graduate Program of the Department of Visual Arts is a three part process consisting of **all** of the following:

1. Application to the University through the Office of Admissions. Please see the admission's section (http://www.twu.edu/admissions) in this catalog.
2. A separate application to the Department of Visual Arts through Slideroom. (see Slideroom Application section)
3. Completion of a phone, video chat, or in-person interview with major faculty advisor. This process can be quite lengthy and applicants are encouraged to start early. *All accepted applicants are admitted with a provisional status until the 12-Hour Review is successfully passed. Incomplete applications will not be considered.*

For students seeking credit for coursework 1) completed under a prior degree plan or 2) in another graduate program, both a written letter of request to the committee and an official copy of the transcript must be submitted at the time of application for admission. Requests should list the courses being petitioned for inclusion in the new degree plan. Up to 12 hours may be considered for acceptance at the discretion of the graduate faculty committee and must be emailed to visualarts@twu.edu, subject line: Graduate Applicant, Letter of Request. Letter of Request Template (docx) (http://www.twu.edu/visual-arts/concentration-areas-degree-plans.asp).

Graduate Admission Prerequisites

Typically, an applicant in Studio Art has completed an undergraduate major in art including the minimum coursework stated below. However, if this coursework has not been completed, the departmental graduate committee and primary advisor may determine exemptions and deficiencies and design a program of study. For Art Education, typically an applicant has art teacher certification. *All course work deficiencies must be completed before the student begins graduate coursework.*

- Design (6 semester credit hours)
- Drawing (9 semester credit hours)
- Painting (3 semester credit hours)
- Sculpture (3 semester credit hours)
- Art history (12 semester credit hours)
- Major area of concentration (12 to 24 semester credit hours)

Academic Requirements

Students must achieve a grade of B or higher in any course within the major concentration. Courses with a grade of C or lower do not count toward the student's major area and must be repeated. A cumulative GPA of 3.0 or higher must be maintained for the last 36 hours of graduate coursework. Prospectus may be repeated twice; a third enrollment requires approval by the Graduate Committee.

Acceptance to Candidacy

After the initial admission students will complete a 12 hour review for candidacy to the program.

12-Hour Review

A 12-Hour Review is required after 12 and no more than 15 completed resident semester credit hours in the primary area of study. Materials submitted for the 12-Hour Review will be evaluated based on standards of professionalism and competency within their concentration area. Students are required to submit all 12-Hour Review materials to their major professor two weeks in advance of application to the 12-Hour Review. Continuation in the program is contingent upon successful completion of the 12-Hour Review.

SlideRoom 12-Hour Review Applicant

The following must be submitted through SlideRoom (https://twuvisualarts.sliderоom.com/#/Login):

1. Portfolio of 20 labeled images of work (Studio Major), or two scholarly research papers (Art History), or two samples of professional writing in Art Education (Art Education)
2. Current Transcripts
3. Degree Plan
4. Artist Statement (Studio Major only)
5. Current Vita

At the completion of all deficiencies and satisfactory completion of the review, the candidate is admitted to the graduate program unconditionally. Failure to apply for the review within the 12-15 completed hours time requirement may result in a hold being placed on the student's registration.

Requirements if the 12-Hour Review is Not Passed

If the student does not pass the 12-Hour Review:

1. The student may be reviewed again during the next scheduled review
2. Additional coursework taken in the primary area are considered leveling courses and do not count toward the degree until the student has satisfactorily passed the review

The student may reapply for the 12-Hour Review only one time (total of two). Students who do not pass the 12-Hour Review on the second attempt will be removed from the program.

For further information regarding Department of Visual Arts, please visit the Visual Arts website (http://www.twu.edu/visual-arts).

SlideRoom Application

M.F.A. and M.A. in Art (Concentration: Art Education, Art History, Ceramics, Graphic Design, Painting, Photography, or Sculpture)

*Submit the following items via **SlideRoom**:*

1. Statement of Intent (1 page limit)
2. Artist Statement (1 page limit) - *for Studio majors only*
3. Copies of Unofficial or Official Transcripts
4. Vita or Resume
5. Three Letters of Recommendation
6. Portfolio of 20 Images - *for Studio majors only*
7. Examples of Scholarly Research - *For Art History and Art Education only*

Application Deadlines

Spring Semester Priority : October 15

Fall Semester Priority: January 31

Certificates

Additional Courses for Post-Baccalaureate Students Seeking Certification in All Level Art

In addition to seeking an M.A.T. with an emphasis in Art Education (p. 179) to secure All Level Art Teacher Certification, students can alternatively elect to pursue all level art teacher certification via a Post-Baccalaureate individualized program. Students interested in this program to secure All-Level Art Teacher Certification should contact the College of Professional Education for detailed information on requirements for admission and certification.

Courses

ART 5023. Painting Theory and Development. Problems in painting. All media. Development of stylistic and conceptual continuity in painting. May be taken for up to fifteen hours credit. Two lecture and four studio hours a week. Credit: Three hours.

ART 5043. Papermaking. The exploration of the age-old technique of making paper by hand. Use of Western and Eastern paper pulps and techniques. Paper coloration and the aesthetics of paper. May be taken for up to fifteen hours credit. Two lecture and four studio hours a week. Credit: Three hours.

ART 5053. Typographic Bookmaking. The study of typographic bookmaking as an art form. An overview of historic as well as contemporary book forms. Technical problems dealing with design, typography paper, printing presses, and binding styles. May be taken for up to fifteen hours credit. Two lecture and four studio hours a week. Credit: Three hours.

ART 5063. Theories of Art. Theories of art and beauty in Western culture. Organized chronologically beginning with ancient and concluding with 19th and 20th Century theories. Three lecture hours a week. Credit: Three hours.

ART 5223. Graphic Design. Special topics relating to graphic design, theory, and practice. Special emphasis placed on graphic design as a medium of visual communication. May be taken for up to twelve hours credit. Two lecture and four studio hours a week. Credit: Three hours.

ART 5313. Foundations of Art Learning and Practice. Historical, philosophical, and psychological foundations of art education. Three lecture hours a week. Credit: Three hours.

ART 5323. Contemporary Issues in Art Learning and Practice. Current trends and issues in art education and their impact on theory and practice. Three lecture hours a week. Credit: Three hours.

ART 5333. Individual Differences in Art Learning and Practice. Characteristics, needs, and programs for gifted/talented and special needs learners in art. Three lecture hours a week. Credit: Three hours.

ART 5343. Cognition, Art Learning, and Advocacy. The role cognition plays in the art making, teaching, and learning process. Implications for art advocacy are examined. Three lecture hours a week. Credit: Three hours.

ART 5353. Curriculum in Art Learning and Practice. Curriculum theory, design, approaches, and assessment in art education. Three lecture hours a week. Credit: Three hours.

ART 5503. History of Art. Individual study of selected topics in the history of art. May be taken for up to twelve hours credit. Prerequisite: Twelve hours of history of art. Three lecture hours a week. Credit: Three hours.

ART 5553. European Art History. Advanced analysis of art from selected historical periods. Examination of the philosophical, stylistic, historical, and cultural characteristics of the works, emphasizing technical, formal, and content aspects. Artifacts studied vary, and the course may be repeated for additional credit. Prepares students for ART 5563. Prerequisite: Permission of Instructor. Three lecture hours a week. Credit: Three hours.

ART 5563. European Art History in Context. Interpretation of visual art of a particular region and period in its national context. Includes formal research and study tour to sites in the nations where artifacts of the period are located. Prerequisite: Permission of Instructor. Three lecture hours a week. Credit: Three hours.

ART 5613. Printmaking. Special problems in lithography, relief, and/or intaglio. Two lecture and four studio hours a week. Credit: Three hours.

ART 5653. Creative Photography. Special problems in the advanced study of creative and experimental photography; exhibition techniques. May be taken for up to fifteen hours credit. Prerequisites: Permission of instructor. Two lecture and four studio hours a week. Credit: Three hours.

ART 5663. Alternative Photographic Process. Study of alternative photographic processes. Surveys a variety of historical and contemporary experimental processes including pinhole, cyanotype, vandyke, xerox, and transfers. Processes are done with sunlight and paint on emulsions. May be taken for up to six hours credit. Two lecture and four studio hours a week. Credit: Three hours.

ART 5673. Portfolio Photography. Preparation and production of professional portfolio including documentation of 2-D and 3-D art works, press prints, resume, and artist's statement. Emphasis placed on basic camera operation and lighting techniques. Required for all students completing the M.F.A. degree. Two lecture and four studio hours a week. Credit: Three hours.

ART 5683. Professional Practices in Photography. Overview of career options in photography utilizing theoretical and technical skills. Professional and practical aspects of photography such as gallery and museum relations, portfolio presentations, criticism, business management and tax preparation, grant proposals, and darkroom construction. Two lecture and four studio hours a week. Credit: Three hours.

ART 5703. Painting. Study in oil, acrylic, and mixed media. Emphasis on development of personal work with a particular regard to contemporary painting. May be taken for up to fifteen hours credit. Two lecture and four studio hours a week. Credit: Three hours.

ART 5753. Sculpture. Advanced study of sculpture; execution of a major project; concentration on media; research. May be taken for up to fifteen hours credit. Two lecture and four studio hours a week. Credit: Three hours.

ART 5853. Advanced Ceramics. Special problems in advanced ceramics; technical or conceptual research. May be taken for up to fifteen hours credit. Two lecture and four studio hours a week. Credit: Three hours.

ART 5863. Advanced Ceramics Techniques. Advanced study of ceramics; special problems; technical or conceptual research. May be taken for up to fifteen hours credit. Two lecture and four studio hours a week. Credit: Three hours.

ART 5903. Special Topics. Study of selected advanced topics in art. May be taken for up to twelve hours credit. Lecture and studio hours vary by topic. Credit: Three hours.

ART 5913. Independent Study. Individual study of advanced technical problems in art. May be taken for up to twelve hours credit. Prerequisite: Permission of instructor. Credit: Three hours.

ART 5953. Cooperative Education. Nine practicum hours a week. Credit: Three hours.

ART 5973. Professional Paper/Project. Prerequisite: ART 5983. Credit: Three hours.

ART 5981. The Professional Portfolio. Development of a professional portfolio by students in the Master of Arts in Teaching program demonstrating the student's growth in the Learner-Centered Competencies. Pass-fail grade only. May be repeated. Credit: One hour.

ART 5983. Prospectus. Designed to assist in developing a prospectus for the thesis, M.F.A. studio exhibit, or professional paper/project. Credit: Three hours.

ART 5993. Thesis. Prerequisite: ART 5983. Credit: Three hours.

ART 5996. M.F.A. Exhibit. Studio research course for a student to complete the M.F.A. studio exhibit. Committee review and oral exam. Prerequisite: ART 5983. Credit: Six hours.

Faculty

Professors

CALABRESE, JOHN A., Professor of Visual Arts. B.A., The Catholic University of America; M.F.A., Pratt Institute; Ph.D., Ohio University, Athens.

GRANT, SUSAN K., Cornaro Professor of Visual Arts. B.S., University of Wisconsin, Madison; M.F.A., University of Wisconsin, Madison.

WASHMON, GARY B., Professor of Visual Arts. B.F.A., University of New Mexico; M.F.A., University of Illinois, Urbana-Champaign.

Associate Professors

GREGORY, DIANE C., Associate Professor of Visual Arts. B.S.Ed., University of Missouri, Columbia; M.Ed., University of Missouri, Columbia; Ph.D., University of Missouri, Columbia.

PARSONS, MATTHEW COLBY, Associate Professor of Visual Arts. B.Ph., Miami University; M.F.A., Southern Illinois University.

PEREZ, JANA C., Associate Professor of Visual Arts. B.F.A., University of Texas at Austin; M.A. Texas Woman's University; M.F.A., Texas Woman's University.

SYNAR, TANYA M., Associate Professor of Visual Arts. B.F.A., Colorado State University; M.F.A., University of Washington.

WHITEHEAD, VAGNER MENDOCIA, Associate Professor of Visual Arts; Chair of the Department of Visual Arts. M.F.A., University of Florida.

Master of Arts in Art (concentration in Art Education)

The Department of Visual Arts provides two Art Education options: The Thesis Option (30 semester credit hours) and the Professional Paper/Project Option (36 semester credit hours). Both options provide rigorous, transformative, student centered, and individualized programs of study. They both meet the guidelines and standards of the National Art Education Association and the Texas Art Education Association.

The two Art Education options (Thesis and Professional Paper/Project Option) are designed to provide pedagogical competencies for both experienced and future art teachers, art supervisors and art teacher educators. Both options provide advanced professional development for art educators at all levels. In particular, the Thesis Option is designed for students who want to teach at a community college or university as well as pursue doctoral studies at a research institution. In contrast, the Professional Paper/Project Option is designed to provide meaningful and advanced professional development for K-12 art teachers.

Final Examination

An oral examination of:

1. presentation of thesis for M.A. (30 semester credit hour), or
2. presentation of professional paper with project for M.A. (36 semester credit hour)

M.A. in Art Program of Study (30 or 36 semester credit hours)

Concentration in Art Education

Thesis Option (30 semester credit hours)

Required Courses		
ART 5313	Foundations of Art Learning and Practice	3
ART 5323	Contemporary Issues in Art Learning and Practice	3
ART 5333	Individual Differences in Art Learning and Practice	3
ART 5343	Cognition, Art Learning, and Advocacy	3
ART 5353	Curriculum in Art Learning and Practice	3
ART 5903	Special Topics	3
ART 5983	Prospectus	3
ART 5993	Thesis	3
Electives		6
Total Semester Credit Hours		30

Professional Paper/Project Option (36 semester credit hours)

Required Courses		
ART 5313	Foundations of Art Learning and Practice	3
ART 5323	Contemporary Issues in Art Learning and Practice	3
ART 5333	Individual Differences in Art Learning and Practice	3
ART 5343	Cognition, Art Learning, and Advocacy	3
ART 5353	Curriculum in Art Learning and Practice	3
ART 5903	Special Topics	3
ART 5983	Prospectus	3
ART 5973	Professional Paper/Project	3
Electives		12
Total Semester Credit Hours		36

Master of Art in Art

(concentration in Art History, Ceramics, Graphic Design, Painting, Photography, or Sculpture)

Total Semester Credit Hours Required

Thesis Option: 30 semester credit hours with a primary area of concentration, including 3 semester credit hours for thesis

Professional Paper or Project: 36 semester credit hours with a primary area of concentration, including 3 semester credit hours for a professional paper and project

Final Examination

An oral examination of:

1. Presentation of thesis for M.A. (30 semester credit hour), or
2. Presentation of professional paper with project for M.A. (36 semester credit hour)

M.A. in Art (concentrations: Art History, Ceramics, Graphic Design, Painting, or Sculpture) Program of Study (30 or 36 semester credit hours)

Thesis Option (30 semester credit hours)

Primary area of ART concentration		12

Secondary area of ART concentration		6
Electives		6
ART 5983	Prospectus	3
ART 5993	Thesis	3
Total Semester Credit Hours		30

Professional Paper or Project Option (36 semester credit hours)

Primary area of ART concentration		18
Secondary area of ART concentration		6
Electives		6
ART 5983	Prospectus	3
ART 5973	Professional Paper/Project	3
Total Semester Credit Hours		36

M.A. Secondary Concentration (6 semester credit hours)

Students may elect to have a secondary concentration within any of the following areas:

- Art History
- Ceramics
- Graphic Design
- Painting
- Photography
- Sculpture

Master of Fine Arts in Art

(concentration in: Ceramics, Painting, Photography, or Sculpture)

Total Semester Credit Hours Required

60 semester credit hours, including 3 semester credit hours for prospectus and 6 semester credit hours for M.F.A. exhibit.

Final Examination

1. An oral examination of M.F.A. exhibition (*Oral may be repeated twice.)*
2. M.F.A. in Art Program of Study (60 semester credit hours)

M.F.A. in Art Program of Study (60 semester credit hours)

Concentration in: Ceramics, Painting, Photography, or Sculpture

M.F.A. Primary Area of Concentration		27
M.F.A. Secondary Area of Concentration (A different concentration area or Intermedia)		12
Art History		6
Aesthetics or Philosophy or Theories of Art		3
ART 5673	Portfolio Photography	3
ART 5983	Prospectus	3
ART 5996	M.F.A. Exhibit	6
Total Semester Credit Hours		60

Intermedia (Secondary Area of Concentration Option)

MFA Secondary Concentration (12 hours)

Students may elect to have a secondary concentration within any of the following areas:

- Art History
- Ceramics
- Graphic Design

- Painting
- Photography
- Sculpture

Or choose 2D or 3D Intermedia option listed below.

2D Intermedia

2D Intermedia integrates three areas: Papermaking, Book Arts, and Printmaking. This secondary emphasis encourages experimental crossover among these paper-based disciplines. Students may choose two classes in one area and one class in each of the remaining areas for a total of 12 semester credit hours. The possible class combinations are as follows:

- 2 Book Arts, 1 Papermaking, 1 Printmaking
- 2 Papermaking, 1 Book Arts, 1 Printmaking
- 2 Printmaking, 1 Book Arts, 1 Papermaking

3D Intermedia

3D Intermedia integrates Sculpture, Ceramics, and New Media (courses that include a 3D component). This secondary emphasis encourages crossover between these disciplines. Students may choose 4 classes in these areas for a total of 12 semester credit hours. The possible class courses are as follows:

- Sculpture
- Advanced Ceramics
- Advanced Ceramics Techniques
- Installation Art
- Interactive Digital Art
- 3D Printing and Fabrication

Master of Arts in Teaching (emphasis in Art Education)

The M.A.T. is designed as a minimum 32 semester credit hour program. Students wishing to seek art teacher certification at the graduate level should contact the College of Professional Education about the M.A.T. with an emphasis in Art Education. All post-baccalaureate and graduate students seeking certification must comply with admission standards required by the major department and the College of Professional Education.

The M.A.T. (emphasis in Art Education) is a degree offered by COPE in collaboration with the Department of Visual Arts. A student in the M.A.T. program will take 9 Art Education semester credit hours of their choosing (after advising from the Visual Arts faculty.) The remaining credits are determined and administered by COPE and are as follows:

Master of Arts in Teaching (M.A.T.) Program of Study (32 or 38 minimum semester credit hours)

Code	Title	Semester Credit Hours
Pedagogy and Professional Responsibilities		
EDUC 5113	Foundations of Teaching and Learning	3
EDUC 5123	Learning Theory, Development, and Research	3
EDUC 5131	Technology in Assessment and Instruction	1
EDUC 5133	Assessment and Instructional Design and Delivery for Diverse Learners	3
EDUC 5143	Effective Design and Management of the Classroom Environment (EC-12)	3
EDUC 5173	Diversity in the Classroom	3
Academic Specialization		
This is coursework in the field of study. Students will take the Texas Exam of Educator Standards (TExES) in their field of study before or during their first semester in the program.		9
Field-Based Experience		
A full-time, one-semester unpaid professional practicum in a school setting. (All coursework must be completed before beginning student teaching.)		
OR		

A full-time, two-semester internship (6 semester credit hours) in a school setting in which the student is employed and paid as the teacher of record. (This option requires that 12 semester credit hours of pedagogy courses must be completed.)	6-12
Professional Portfolio and Final Assessment	
Each student will maintain a professional portfolio throughout her or his program. The completed portfolio must be submitted for evaluation prior to graduation.	1
Total Semester Credit Hours	32-38

College of Professional Education

Web Site: http://www.twu.edu/college-professional-education/

Interim Dean: *Jerry E. Whitworth, Professor*
Interim Associate Dean: *Gina Anderson, Associate Professor*
Location: *SH 202*
Phone: *940-898-2202*
Fax: *940-898-2209*

Programs in the College of Professional Education are designed to place knowledge in service to society. Four components comprise the College: the Department of Family Sciences (p. 184), the Department of Reading (p. 210), the Department of Teacher Education (p. 218), and the School of Library and Information Studies (p. 236).

The College of Professional Education provides graduate programs leading to the Master of Arts, Master of Arts in Teaching, Master of Education, Master of Library Science, Master of Science, Doctor of Education, and Doctor of Philosophy degrees. Specific degree and program information can be found under departmental listings and on the College of Professional Education website (http://www.twu.edu/college-professional-education). Teacher Education programs in the College are accredited by the State Board for Educator Certification (SBEC). Master's programs in Library and Information Studies are accredited by the American Library Association. The Counseling and Development program is accredited by The Council for Accreditation of Counseling & Related Educational Programs (CACREP). The Master of Science in Family Therapy is accredited by The Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE).

Programs in the College of Professional Education are housed in the Human Development Building (HDB), the Multipurpose Classroom Laboratory Building (MCL), and Stoddard Hall (SH). A special facility housed in the Mary Evelyn Blagg Huey Library is the Teaching Materials Center. The center offers student access to State- adopted textbooks, curriculum guides, and other materials used in public schools in Texas. The Counseling and Family Therapy Clinic housed in HDB provides opportunities for research and practice in family sciences.

University Teacher Education Programs

The University is committed to excellence in the preparation of teachers. The university teacher education programs respond to state competencies through carefully constructed curricula aligned with state and national standards.

The Dean and the faculty of the College coordinate the Teacher Education program in concert with the Professional Education Council. This Council includes representatives from the College of Professional Education (COPE) and all academic specializations related to teacher certification. Academic advising is available to students from the academic specializations and the College of Professional Education.

Post-baccalaureate students who wish to pursue a Texas teaching certificate should inquire in the COPE Student Support Center (http://www.twu.edu/teacher-certification) for information about options.

Master of Arts in Teaching - Graduate Interdisciplinary Degree

The M.A.T. is a Master of Arts in Teaching degree program leading to initial teacher certification. Certification is awarded by the State Board for Educator Certification. The Master of Arts in Teaching (M.A.T.) emphasizes professional academic preparation that requires graduate students to become knowledgeable about academic disciplines and to develop effective teaching practices.

Admission Requirements for the M.A.T.

Admission to the M.A.T. requires a GPA of 3.0 in the last 60 semester credit hours and a cumulative GPA of 2.75. An interview for the Teacher Education Program is required.

Important Note: *Graduates of universities outside of the United States where English is not the language of instruction must pass the speaking part of TOEFL* (http://www.ets.org/toefl) *(Test of English as a Foreign Language) with a score of at least 26 if your coursework for the previously completed degree was not delivered in English.*

General Requirements for the M.A.T.

The M.A.T. requires a minimum of 32 semester credit hours: 16 semester credit hours of pedagogy and professional responsibilities/diversity in education; minimum 9 semester credit hours of coursework in selected content area; minimum 1 semester credit hour of portfolio preparation; and 6-12 semester credit hours supervised teaching experience. The M.A.T. requires a professional portfolio and final assessment.

Special Requirements

Students take the TExES in the content area (teaching field or academic specialization) during the semester of their admission. Test results are used to select the coursework required in the academic specialization.

Students must meet all TWU certification requirements to receive authorization to take the TExES examination in either their academic specialization or Pedagogy and Professional Responsibilities (PPR).

A degree plan can be submitted only after the content test is taken and test results are received.

Students must pass the content area TExES examination to become eligible for the professional practicum or internship.

Only courses in which the student achieved a grade of 'B' or better may be included on the degree plan.

Master of Arts in Teaching (M.A.T.) Program of Study (32 or 38 minimum semester credit hours)

Code	Title	Semester Credit Hours
Pedagogy and Professional Responsibilities		
EDUC 5113	Foundations of Teaching and Learning	3
EDUC 5123	Learning Theory, Development, and Research	3
EDUC 5131	Technology in Assessment and Instruction	1
EDUC 5133	Assessment and Instructional Design and Delivery for Diverse Learners	3
EDUC 5143	Effective Design and Management of the Classroom Environment (EC-12)	3
EDUC 5173	Diversity in the Classroom	3
Academic Specialization		
This is coursework in the field of study. Students will take the Texas Exam of Educator Standards (TExES) in their field of study before or during their first semester in the program.		9

Field-Based Experience	
A full-time, one-semester unpaid professional practicum in a school setting. (All coursework must be completed before beginning student teaching.)	
OR	
A full-time, two-semester internship (6 semester credit hours) in a school setting in which the student is employed and paid as the teacher of record. (This option requires that 12 semester credit hours of pedagogy courses must be completed.)	6-12
Professional Portfolio and Final Assessment	
Each student will maintain a professional portfolio throughout her or his program. The completed portfolio must be submitted for evaluation prior to graduation.	1
Total Semester Credit Hours	32-38

Department of Family Sciences

Web Site: http://www.twu.edu/family-sciences/

Chair: *Karen Petty, Professor*
Location: *HDB 115*
Phone: *940-898-2698*
Fax: *940-898-2676*
E-mail: kpetty@twu.edu

Graduate Degrees Offered

- M.S. in Child Development (p. 192)
- M.S. in Counseling and Development (p. 193)
- Dual Degree: M.S. in Counseling and Development and M.A. in Music with an Emphasis in Music Therapy (p. 195)
- M.Ed. in Early Childhood Education (p. 197)
- M.S. in Family Studies (p. 198)
- Ph.D. in Family Studies (p. 201)
- M.S. in Family Therapy (p. 203)
- Ph.D. in Family Therapy (p. 204)
- Ph.D. in Early Child Development and Education (p. 206)

The Department of Family Sciences at Texas Woman's University offers graduate degree programs at both the master's and the doctoral levels. Master of Science programs are offered in the areas of Child Development, Counseling and Development, Family Studies, and Family Therapy. The Master of Education program is offered in Early Childhood Education. At the doctoral level, the Department of Family Sciences offers Ph.D. degree programs in Early Child Development and Education, Family Studies, and Family Therapy.

The mission of the Department of Family Sciences is described as follows: Through an integration of the root disciplines involved in life course human development, the Department of Family Sciences facilitates the development of learning and competencies in students who will enhance the quality of life for individuals and families in a diverse global society. The Family Sciences faculty empowers students to be proactive and systemic in approach. Students enrolled in Family Sciences graduate programs will find a considerable portion of classes offered in both an online and a traditional face-to-face format. Every program area includes classes with at least a portion of time dedicated to online instruction. The Master of Science in Family Studies is available in both online and traditional formats.

The department seeks to guide students in strengthening and expanding their competencies and to prepare them for professional positions related to the degree programs offered. Degree programs are planned in consultation with advisory committees to meet the students' individual needs based on their academic and professional backgrounds and goals. No grade below B is accepted toward a master's or doctoral degree in the department.

Counseling and Development

The M.S. in Counseling and Development is accredited by the Council for Accreditation of Counseling and Related Educational Programs (http://www.cacrep.org) (CACREP). Students pursuing the M.S. in Counseling and Development may choose a focal area of interest in either Clinical Mental Health (MHC) Counseling (designed to meet educational requirements for Licensed Professional Counselor [LPC] licensure) or School Counseling (designed to meet educational requirements of the State Board for Educator Certification and LPC). Certificates are awarded by the State Board for Educator Certification; contact the Department of Teacher Education (http://www.tea.state.tx.us) for information about current Texas certificates. Students who complete educational requirements in Clinical Mental Health Counseling are eligible to become a Licensed Professional Counselor (LPC). Students who sit for the licensure examination should be aware that successful completion of a 3000 clock hour postmaster's internship in counseling is required in addition to successfully passing the examination by the National Board of Certified Counselors (http://nbcc.org) in order to become a Licensed Professional Counselor. The master's degree in counseling meets the academic requirements for LPC.

Students may satisfy the academic requirements for Registered Therapist (RPT) in either Clinical Mental Health Counseling or School Counseling, if appropriate electives are successfully completed.

A dual Master of Science in Counseling and Development and Master of Arts in Music (with an emphasis in Music Therapy) is available to students who declare their intentions to pursue this option prior to the completion of 12 semester credit hours of graduate credit toward their degrees. Students must complete separate applications to both departments/programs through the Graduate School. Students are to consult with both departments for more information on degree plans and specific requirements for each department.

Family Therapy

Students completing the master's and doctoral degree programs in Family Therapy have each met the academic degree requirements to sit for the national examination for Licensed Marriage and Family Therapist (LMFT) in Texas (http://www.dshs.state.tx.us/mft/default.shtm). Those who pass the

licensure examination must also complete 3,000 hours of therapy under supervision as an LMFT-Associate before becoming fully licensed as an LMFT by the Texas State Board of Examiners of Marriage and Family Therapists.

Child Development, Family Studies, and Early Childhood Education

Both the M.S. in Child Development and the M.S. in Family Studies meet the standards and criteria required for the Provisional Certified Family Life Educator (CFLE) designation from the National Council on Family Relations (NCFR) (https://www.ncfr.org). The Family Studies degree is not designed to train family therapists or counselors; the curriculum includes no clinical competencies.

The Early Childhood Education master's degree program provides professional development for teachers of young children.

Admissions

Admission Requirements

Please see the admissions section of this catalog (p. 56) for general TWU Graduate admissions requirements and process.

No more than 12 semester credit hours taken as a non-degree-seeking student may be applied on a degree plan. Regardless of the grade a student makes, taking 12 semester credit hours does not assure admittance to a graduate program in Family Sciences. The student must apply to the Graduate School as a non-degree-seeking student and must receive permission from the department chair before enrolling in graduate classes offered by the Department of Family Sciences.

Child Development, Early Childhood Education, and Early Child Development and Education

All applicants for master graduate degrees in Child Development and Early Childhood Education, are expected to hold an earned bachelor's degree and have a minimum 3.0 GPA for the last 60 semester credit hours of undergraduate study. A minimum of 3.5 GPA for all prior graduate work is required for Early Child Development and Education doctoral applicants. In addition, all applicants are expected to present Graduate Record Examination scores in both the Verbal and Quantitative areas. Applicants for the Master's degree are expected to submit a current vita and three letters of reference. Applicants for the doctoral degree are expected to submit a current vita, a letter of intent, and three letters of reference.

Counseling and Development

All applicants for a graduate degree in Counseling and Development are expected to hold an earned bachelor's degree and have a minimum 3.0 GPA for the last 60 semester credit hours of undergraduate study and a minimum of 3.0 GPA for all prior graduate work. In addition, an interview with program faculty is part of the admissions criteria. A role play group session and a writing sample are required on the interview day. Individuals applying for the school counseling "certification" only must have a Master's degree, a Texas teaching certification and two years minimum of classroom teaching experience are required by the end of the program to be licensed by the state.

Family Therapy

All applicants for the Master's degree in Family Therapy are expected to hold an earned bachelor's degree and have a minimum of 3.25 GPA for the last 60 semester credit hours of undergraduate study. In addition, they are expected to submit a letter of intent and participate in an interview as part of the admissions process. During the day of the interview, they will be asked to give two writing samples.

Applicants for the doctoral degree in Family Therapy are expected to hold a Master's degree with a minimum of 3.5 GPA on all graduate work. In addition, a letter of intent and vita/resume are required. An interview with program faculty is part of the admissions criteria. Two writing samples are required on the day of the interview.

Family Studies

All applicants for the Family Studies graduate programs must submit a letter of intent and a vita/resume. Specifications for the letter of intent are available on the Family Studies website (http://www.twu.edu/family-sciences/family-studies.asp). Individuals applying for the Master's degree are expected to hold an earned bachelor's degree or equivalent and have a minimum 3.0 GPA for the most current 60 hours of college credit work, be it Master's, post-baccalaureate, or undergraduate work.

Individuals applying for the doctorate are expected to hold a completed Master's degree with a minimum of 3.35 GPA for all graduate work. After the admissions committee reviews the application, letter of intent and vita, an invitation for an on-campus visit will be issued to the applicants who they determine are qualified for the program.

Certificates

School Counseling

- Post-Master's Certificate in School Counseling (p. 208)

Master of Arts in Teaching (M.A.T.)

- M.A.T. (emphasis in Early Childhood Education) (p. 209)

Family and Consumer Sciences Education

Three Post-Baccalaureate teacher certification options are available:

- Family and Consumer Sciences composite certificate
- Human Development and Family Studies specialized certificate
- Hospitality, Nutrition, and Food Sciences specialized certificate

Students who wish to be certified to teach Family and Consumer Sciences should contact the Department of Family Sciences (http://www.twu.edu/family-sciences) for additional information.

Minors

Minors Offered to Students from Other Departments

Students in other departments may minor in any program in the department with the exception of Counseling and Development and Family Therapy. Courses appropriate for the minor should be chosen in consultation with an advisor in the minor area or the department chair prior to enrollment.

Courses

FS 5003. Lifespan Human Development. Examination of similarities and differences in conceptions of behavior throughout the lifespan; emphasis on individual development in the context of the family; includes 15 hours directed observation. Three lecture hours a week. Credit: Three hours.

FS 5023. Family Sexuality. Concepts of developmental sexuality, including sex education within the family. Three lecture hours a week. Credit: Three hours.

FS 5103. Families as Consumers. Family decision-making, values, and goals; analysis of current consumer trends and issues impacting the family; strategies for consumer education and advocacy. Three lecture hours a week. Credit: Three hours.

FS 5113. Theories of Human Development. Focus on theoretical concepts of development in the areas of cognition, language, personality growth, educational theory, and social-cultural perspectives. Three lecture hours a week. Credit: Three hours.

FS 5123. Theories of the Family. Theoretical and functional approach to the family; the nature and functions of the family; its relationship to institutions, culture, and the individual. Three lecture hours a week. Credit: Three hours.

FS 5143. Addiction Counseling. Introduction to the assessment, theories, and treatment of dependency. Emphasis on effects of drug and alcohol abuse on individuals and families, the recovery process, and basic concepts and techniques of treatment and rehabilitation. Three lecture hours a week. Credit: Three hours.

FS 5153. Family Changes and Diversity. Comprehensive synthesis of current research and theories related to cultural, economic, and structural variations in families; examination of family resilience in response to change. Three lecture hours a week. Credit: Three hours.

FS 5163. Play Therapy. Philosophy and basic assumptions about functions of play for children, major theories, and approaches to play therapy; observation and didactic work with children in play therapy. Three lecture hours a week. Credit: Three hours.

FS 5173. Crisis Intervention Counseling. Crisis theory and intervention strategies; special emphasis on suicidology, natural and man-made disasters, and crisis management in the schools. Three lecture hours a week. Credit: Three hours.

FS 5183. Grief and Bereavement. Death and bereavement from a social, psychological, biological, and physiological perspective; special types of loss such as death of a child, miscarriage, and bereavement by suicide; therapeutic interventions and strategies linked to the grieving process; ethical issues such as euthanasia, DNR orders, and withdrawal of life support. Three lecture hours a week. Credit: Three hours.

FS 5193. Statistics for Research in Family Sciences. Analysis of data using descriptive and inferential statistics; selection of appropriate statistical tests; interpretation of research publications; applications of statistical methods using computer software. Three lecture hours a week. Credit: Three hours.

FS 5203. Language and Literacy in Early Childhood. In-depth study of language and literacy for ages birth through eight, including strategies for promoting early literacy development at home and at school. Three lecture hours a week. Credit: Three hours.

FS 5213. Curriculum Development in Early Childhood. In-depth study of basic principles underlying curriculum construction and innovative instructional practices for ages birth to eight; emphasis on research related to organization and sequential arrangement of materials. Observations/Field Experience: Fifteen clock hours. Three lecture hours a week. Credit: Three hours.

FS 5221. Seminar in Family Sciences. Review of current research strategies and findings in relevant literature. Variable topics. May be repeated for five additional hours of credit. One seminar hour a week. Credit: One hour.

FS 5223. Child Growth and Human Development in Early Childhood. Motor, social, emotional, and cognitive aspects of the development of children birth through age eight. Observation/Field experience: Fifteen clock hours. Three lecture hours a week. Credit: Three hours.

FS 5233. Communication in Marriage and Family. Personal growth and professional development through the examination of effective communication in marriage and family. Presentation of various theories and techniques of communication to demonstrate diverse patterns of verbal and nonverbal communication within the family unit. Three lecture hours a week. Credit: Three hours.

FS 5243. Adolescents in the Family. Understanding of the physical, social, psychological, and behavioral characteristics of the adolescent in the context of the family. Three lecture hours a week. Credit: Three hours.

FS 5253. Gender Role Development. Development of male and female roles across the life cycle. Familial, parental, filial, and school influences. Implications for teachers, parents, administrators, and counselors. Three lecture hours a week. Credit: Three hours.

FS 5263. Observation and Assessment in Early Childhood. Designed to provide a comprehensive knowledge base concerning assessment of young children. Areas of emphasis include development of skills in selection; use and interpretation of developmentally appropriate formal, informal, and holistic instruments and procedures; measurement terms and principles; procedures and legal requirements for record keeping; use of technology in assessment; and managing an assessment team. Observation/Field experience: Fifteen clock hours. Three lecture hours a week. Credit: Three hours.

FS 5273. Reflections and Perspectives in Early Childhood. An analysis of contemporary issues and problems in early childhood including investigations of current research, as well as analysis of ethical, political, and advocacy teams. Three lecture hours a week. Credit: Three hours.

FS 5283. Technology and the Young Learner. Examination of developmentally appropriate use of technology with all young learners including integration into curriculum areas, environmental considerations, and the use of technology tools for observation, documentation, and communication with families and peers. Observation/Field experience: Fifteen clock hours. Three lecture hours a week. Credit: Three hours.

FS 5293. Advanced Play Therapy: Theories and Applications. Theories, techniques/methods, applications to special settings or populations, ethics, and professional responsibilities. Includes conference attendance and clinical experience in play therapy. Prerequisite: FS 5163 or equivalent. Three lecture hours a week. Credit: Three hours.

FS 5303. Professional Orientation and Ethics in Counseling. Introduction to the counseling profession and ethics. Examines the characteristics of the effective counselor and the parameters of counseling in a variety of settings, including schools and agencies. Prerequisite: Permission of the instructor. Three lecture hours a week. Credit: Three hours.

FS 5313. Counseling Theory and Practice. General survey of current major theories of counseling and psychotherapy. Content includes historical background, theory of personality, dynamics of client change process, therapeutic techniques, and evaluation. Development of student's own theory of counseling is emphasized. Three lecture hours a week. Credit: Three hours.

FS 5323. Psychological Appraisal of the Individual. Nature and status of psychological testing; in-depth investigation of characteristics and structure of intelligence, achievement, and personality measuring techniques; actual practice in selection, administration, and interpretation of standardized tests. Prerequisite: FS 5303 or permission of instructor. Three lecture hours a week. Credit: Three hours.

FS 5353. Clinical Diagnosis and Treatment Planning for Counselors. Descriptive, research-based, and clinical knowledge for the diagnosis and treatment of mental disorders by counselors. Includes personality disorders and disorders of behavior, impulse control, mood, and anxiety, or loss of contact with reality. Study of the APA Diagnostic and Statistical Manual of Mental Disorders and its use in treatment planning. Three lecture hours a week. Credit: Three hours.

FS 5363. Prepracticum. Experiential learning and practice of skills, qualities, and decision-making capabilities integrated in the effective intentional counselor. Practice of the techniques of counseling is performed under supervision. Prerequisites: FS 5303 and FS 5313 for Counseling and Development students; FS 5133, FS 5303, or 6233 for Family Therapy students; and permission of the instructor. Ten practicum hours a week. Credit: Three hours.

FS 5364. Practicum in Counseling and Development. Professional supervised experience in counseling individuals and groups; supervision of live or videotaped sessions. Prerequisites: FS 5363 and permission of the instructor. Thirteen practicum hours a week. Credit: Four hours.

FS 5373. Group Counseling Procedures. A study of theories, techniques, and procedures in group counseling; development of skills to counsel small groups and conduct developmental group guidance activities in educational settings. Prerequisites: FS 5303, FS 5313, and FS 5363; or permission of instructor. Three lecture hours a week. Credit: Three hours.

FS 5383. Counseling Children and Adolescents. Current theories for counseling children and adolescents; emphasis on practical experiences. Prerequisites: Six graduate hours in counseling, psychology, or family sciences; and permission of instructor. Three lecture hours a week. Credit: Three hours.

FS 5393. School Guidance and Counseling Services. Various organizational patterns, administrative practices, and functions of modern school counseling and guidance programs; current counseling and assessment techniques; professional and ethical aspects; current issues and trends in school counseling programs. Three lecture hours a week. Credit: Three hours.

FS 5413. Development and Administration of Programs for Young Children. Examination of program needs; principles of management and administration applied to programs for young children. Emphasis on working with advisory boards, developing program goals and objectives, financial and human resources, legal concerns, program evaluation, physical space and equipment. Three lecture hours a week. Credit: Three hours.

FS 5443. Multicultural Counseling. Techniques for counseling minorities. Special consideration is given to counseling needs of Black Americans and Hispanic Americans. Three lecture hours a week. Credit: Three hours.

FS 5453. Counseling for Career Development. Theories, techniques, and procedures for counseling with a focus on career and educational decisions. Three lecture hours a week. Credit: Three hours.

FS 5493. Community Mental Health Counseling. Examination of the historical development, current status, and functions of community mental health agencies; role of the counselor and other professionals as well as community related organizations. Three lecture hours a week. Credit: Three hours.

FS 5533. Parenting Education. Examination of parent education methodology (planning, implementation, and evaluation) and content (parent/child relations, guidance, parenting stages, issues, and context). Exploration of related programs and agencies, historical context, and ethical issues. Three lecture hours a week. Credit: Three hours.

FS 5544. Internship in Family Therapy. Professional, supervised experience in counseling families, couples, and individuals; clinical supervision of live or video recorded sessions, 100 face-to-face clinical hours per semester. To be taken three consecutive semesters. Prerequisites: FS 5353, FS 5363, FS 5553, FS 5563, FS 5853, FS 5883, FS 6233, and permission of instructor. Ten practicum hours a week. Credit: Four hours.

FS 5553. Principles of Couple Therapy. Child problems as an avenue to couple therapy, premarital counseling, relationship assessment, emotional and relationship difficulties of the family. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

FS 5563. Family Therapy I. Basic techniques for family therapy; theoretical basis for the techniques used; application of counseling principles to family situations; child problems as an avenue to family therapy; the family as a unit for therapy. Three lecture hours a week. Credit: Three hours.

FS 5573. Family Crises. Stresses on family systems with emphasis on coping and adaptation strategies. Three lecture hours a week. Credit: Three hours.

FS 5593. Play, Development, and the Young Learner. Investigation of play as the cornerstone of the young child's environment and as a foundation for curriculum development. Observation of children's play as well as theoretical applications of observations will be examined. Three lecture and one laboratory hour a week. Credit: Three hours.

FS 5603. Aging in Families and Society. Issues and implications of aging for families and society. Focus on research and policy. Three lecture hours a week. Credit: Three hours.

FS 5613. Child Guidance. Analysis of child guidance and development and research techniques. Emphasis on characteristics and sources of child guidance practices in American culture. Three lecture hours a week. Credit: Three hours.

FS 5643. The Development of Infants and Toddlers. Development of the child during the first 24 months of life; special emphasis placed on the active interchange that occurs between infants, toddlers, and the environments in which they develop; programming designed to serve infants, toddlers, and their families included. Three lecture hours a week. Credit: Three hours.

FS 5663. Leadership and Staff Development in Family Sciences Programs. Examination of styles of leadership, communication skills, supervision and motivation of staff, staff development activities, and administration of organized services and programs; emphasis on the facilitation of change. Three lecture hours a week. Credit: Three hours.

FS 5693. Research Methods in Family Sciences. Development of foundational knowledge of family sciences research methodology; emphasis on skill in planning and conducting family sciences research projects. Prerequisites: Nine hours of master's level coursework completed. Three lecture hours a week. Credit: Three hours.

FS 5713. Housing and Families. Interdisciplinary approach to current conditions impacting family housing, including economic, social, psychological, and aesthetic aspects. Three lecture hours a week. Credit: Three hours.

FS 5773. Home/School/Community Partnerships. Investigation of techniques and strategies for developing and implementing effective home, school, community involvement programs in early childhood settings. Observation/Field experience: Fifteen clock hours. Three lecture hours a week. Credit: Three hours.

FS 5783. Issues in Early Childhood Research and Evaluation. A practical approach to research and evaluation theory and practice which includes evaluating research articles and evaluation reports, identifying problems or topics for investigation, and synthesizing literature reviews. Quantitative and qualitative methodologies will be compared. Three lecture hours a week. Credit: Three hours.

FS 5803. Time Management for Families. Principles of time management for families; family time; impact of time on families. Three lecture hours a week. Credit: Three hours.

FS 5823. Families and Public Policy. Application of the family perspective to the policy process; research-based formulation and evaluation of public policy; analysis of policy impact on families; advocacy roles of family sciences professionals. Three lecture hours a week. Credit: Three hours.

FS 5833. Family Economics. Economic, sociological, psychological, and cultural factors affecting consumer behavior. Three lecture hours a week. Credit: Three hours.

FS 5843. Teaching Family Sciences. Theories and techniques of program planning, instruction, and evaluation in family sciences settings; emphasis on needs assessment and curriculum development. Three lecture hours a week. Credit: Three hours.

FS 5853. Family Systems. A fundamental introduction to the systems approach to intervention which integrates information regarding the marital, sibling, and individual subsystems, as well as the family of origin and external societal influences. Three lecture hours a week. Credit: Three hours.

FS 5883. Family of Origin. Theoretical bases of family of origin work. In-depth examination of the student's own family history and review of concepts and therapeutic techniques used in family of origin education and therapy. Three lecture hours a week. Credit: Three hours.

FS 5894. Internship in Counseling. Professional supervised experience in counseling individuals and groups in an agency or a school setting. To be taken in two consecutive semesters. Prerequisites: FS 5532, FS 5542, and permission of the instructor. Three-hundred clinical field hours per semester. Twenty practicum hours a week. Credit: Four hours.

FS 5903. Special Topics. Organized study of Family Sciences subject matter normally not included in other FS courses. Three lecture hours a week. Credit: Three hours.

FS 5911. Independent Study. Intensive study of a problem of individual or professional interest in family sciences. Credit: One hour.

FS 5913. Independent Study. Intensive study of a problem of individual or professional interest in family sciences. Credit: Three hours.

FS 5933. Practicum in Family Sciences. Professional supervised experience in working directly with children, families, or consumers in selected business, institution, or agency appropriate for Family Sciences. Job assignment based on student interests, skills, and degree program. Individual conferences and hours of work to be arranged. Twelve practicum hours a week. Credit: Three hours.

FS 5961. Research in Family Sciences. Individual investigation of a specific area in Family Sciences. Credit: One hour.

FS 5963. Research in Family Sciences. Individual investigation of a specific area in Family Sciences. Credit: Three hours.

FS 5973. Professional Paper. Development and implementation of individual project designed to meet unresolved problem in an area of interest. Presentation and defense of project. May be repeated (Limit six hours of credit toward degree.) Credit: Three hours.

FS 5981. The Professional Portfolio. Development of a professional portfolio by students in the Master of Arts in Teaching program demonstrating the student's growth in the Learner-Centered Competencies. Pass-fail grade only. May be repeated. Credit: One hour.

FS 5983. Thesis. Credit: Three hours.

FS 5993. Thesis. Prerequisite: FS 5983. Credit: Three hours.

FS 6003. Advanced Study of the Lifespan. The developmental process as it occurs during the life cycle and implications for the family; relationship of the developmental process to relevant issues in family sciences. Three lecture hours a week. Credit: Three hours.

FS 6233. Issues and Ethics in Professional Development. An examination of the major issues for professionals in family therapy; emphasis on legal and ethical standards, professional identity, and private practice issues; examination of the legal/therapeutic interface as it directly impacts practice. Three lecture hours a week. Credit: Three hours.

FS 6243. Theories and Strategies for Intervention In Family Therapy. Examination of major strategies for intervening to change interaction within families and other intimate relationships; presentation of change techniques from a systemic perspective; emphasis on current intervention strategies that are ecological in nature. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

FS 6253. Supervision in Family Therapy. Techniques in family therapy supervision, including both didactic and interactional components. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

FS 6303. Academic Life and Scholarship. Higher education culture from the perspective of a professor: university operations, including admissions, recruitment, university development, and funding sources; philosophies of teaching, research, and service; student characteristics and learning styles; university tenure and promotion issues; and professional identity. Prerequisite: Doctoral student classification. Three lecture hours a week. Credit: Three hours.

FS 6323. Health, Illness, and Families. Research-based focus on the macro and micro systemic interactions in families dealing with the health/illness continuum and the mental/physical health care systems. Three lecture hours a week. Credit: Three hours.

FS 6343. Effective College Teaching Methods. Methods of teaching college level courses; course design and delivery; syllabus and rubric development; assignments and assessments; test construction; principles and best practices for teaching online and in the classroom. Open to all majors. Three lecture hours a week. Credit: Three hours.

FS 6403. Theory Building in Family Sciences. Foundational elements of theories and models of theories in family sciences; the relationship between theories, models, concepts, and the design and implementation of research in family sciences. Three lecture hours a week. Credit: Three hours.

FS 6413. Current Research and Issues in Family Sciences. Emphasis on conceptual and theoretical frameworks in guiding research design and critical analysis of recent literature in family sciences. Three lecture hours a week. Credit: Three hours.

FS 6423. Readings in Family Sciences. Critical review of current and classical research and other literature concerned with issues and concepts of family sciences. Three lecture hours a week. Credit: Three hours.

FS 6433. Grants Writing in Family Sciences. Study of available funding sources for human services programs; developing skills for requesting funds for an organization or agency; review and evaluation procedures. Three lecture hours a week. Credit: Three hours.

FS 6513. Language and Cognitive Development in Young Children. Origins and development of language; cognition as a function of language, stages, and environment; interrelationships of language and cognitive development. Three lecture hours a week. Credit: Three hours.

FS 6544. Advanced Internship in Family Therapy. Professional supervised clinical experience in family therapy with families, couples, and individuals; supervision of live or video-recorded sessions. Prerequisites: FS 5353, FS 5363, FS 5553, FS 5563, FS 5853, FS 5883, FS 6233 (or the equivalents), and permission of the instructor. To be taken four consecutive semesters. Three lecture and three laboratory hours a week. Credit: Four hours.

FS 6563. Family Therapy II. Continuation of family therapy theory development; overview of systemic therapies including MRI, Milan, reflecting team, contextual, language systems, and brief therapy models. Three lecture hours a week. Credit: Three hours.

FS 6593. Practicum in Family Sciences. Professional supervised experience in working directly with children, families, or consumers in selected business, institution, or agency appropriate for Family Sciences. Job assignment based on student interests, skills, and degree program. Individual conferences and work hours to be arranged. Twelve practicum hours a week. Credit: Three hours.

FS 6623. Social and Cultural Dimensions of Early Language Development. Analysis of psycholinguistic and sociolinguistic research in early childhood language development; determination of patterns of language use in early childhood classes focused on the understanding of the literacy processes embedded in social practices; methods for continuing language growth in the classroom based on the demonstrated processes of language development. Three lecture hours a week. Credit: Three hours.

FS 6653. Seminar in Developmental Theory. An analysis and integration of theories and research on development in the early childhood and middle school years. Three lecture hours a week. Credit: Three hours.

FS 6663. Foundations of Early Childhood Education. Historical, philosophical, sociological, physical, and psychological bases for understanding and implementing programs of early childhood education. Prerequisite: Six hours of child development or permission of instructor. Three lecture hours a week. Credit: Three hours.

FS 6673. Advanced Seminar in Early Childhood Education. Analysis of current research, practices, and related theories in early childhood education. Prerequisite: FS 5693 or equivalent. Three seminar hours a week. Credit: Three hours.

FS 6683. Professional Seminar in Family Sciences. Development as a professional in Family Sciences demonstrated through teaching, research, and writing. Three seminar hours a week. Credit: Three hours.

FS 6693. Advanced Quantitative Research Methods In Family Sciences. Advanced quantitative research design and its application in family sciences; analysis and evaluation of quantitative research; data interpretation; emphasis on hypotheses, variables, ethics, instrumentation, sampling, reliability, and validity; preparation of a quantitative research plan. Prerequisites: A master's level research methods course and a graduate-level statistics course. Three lecture hours a week. Credit: Three hours.

FS 6793. Advanced Qualitative Research Methods In Family Sciences. Advanced qualitative research design and its application in family sciences; analysis and evaluation of qualitative research; data collection and interpretation; emphasis on research questions and ethical issues; preparation of a qualitative research plan. Prerequisites: A master's level research methods course. Three lecture hours a week. Credit: Three hours.

FS 6863. Family Financial Counseling. Examination of relationship between financial needs and family dynamics. Develop skills in assisting families with financial problems through family education and counseling. Three lecture hours a week. Credit: Three hours.

FS 6873. Applied Multivariate Statistics for Family Sciences. Influence of multiple variables upon each other; procedures for multivariate statistics such as multiple regression, covariance, discriminant function analysis in family sciences research; using SPSS for multivariate analysis; evaluation of the influence of research design and statistical methods on research hypotheses and conclusions. Prerequisite: Graduate-level statistics course. Three lecture hours a week. Credit: Three hours.

FS 6903. Special Topics. Three lecture hours a week. Credit: Three hours.

FS 6911. Independent Study. Intensive study of a problem of individual or professional interest in family sciences. Credit: One hour.

FS 6913. Independent Study. Intensive study of a problem of individual or professional interest in family sciences. Credit: Three hours.

FS 6921. Research in Family Sciences. Individual investigation of a specific area in family sciences. Credit: One hour.

FS 6923. Research in Family Sciences. Individual investigation of a specific area in family sciences. Credit: Three hours.

FS 6941. Resources in Family Sciences. Individual study; collection of data in an individual situation, school, and/or community for a terminal problem in one semester or for a research study to be continued. Credit: One hour.

FS 6943. Resources in Family Sciences. Individual study; collection of data in an individual situation, school, and/or community for a terminal problem in one semester or for a research study to be continued. Credit: Three hours.

FS 6983. Dissertation. Credit: Three hours.

FS 6993. Dissertation. Prerequisite: FS 6983. Credit: Three hours.

Faculty

Professors

ARMSTRONG, JOYCE, Professor of Family Sciences. B.S., East Texas State University; M.Ed., East Texas State University; Ph.D., Texas Woman's University.

HWANG, SHANN HWA, Professor of Family Sciences. B.A., Malone College; M.A., Ashland University; Ph.D., University of Tennessee, Knoxville.

LADD, LINDA, Professor of Family Sciences. B.A., Portland State University; M.S., Portland State University; Ph.D., Oregon State University; Psy.D., Pacific University.

LEFLORE, LARRY, Professor of Family Sciences; Dean of the Graduate School. B.A., William Carey College; M.S., University of Southern Mississippi; Ph.D., Florida State University.

MARTIN, JENNIFER L., Professor of Family Sciences; Senior Associate Provost. B.A., Lamar University; M.S., Lamar University; Ph.D., Texas Woman's University.

MURO, JOEL, Professor of Family Sciences. B.A., Austin College; M.J., University of North Texas; Ph.D., University of North Texas.

PETTY, KAREN L., Professor of Family Sciences; Chair of the Department of Family Sciences. B.S., Stephen F. Austin State University; M.Ed., Stephen F. Austin State University; Ph.D., Texas A&M University .

ROSE, KATHERINE K., Professor of Family Sciences. B.S., Baylor University; M.S., Purdue University; M.S., University of North Texas; Ph.D., Purdue University .

SNIDER, SHARLA L., Professor of Family Sciences. B.S., University of North Texas; M.A., Texas Woman's University; Ph.D., Texas Woman's University.

Associate Professors

BROCK, LINDA J., Associate Professor of Family Sciences. B.B.A., University of North Texas; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

BUCKLEY, RHONDA R., Associate Professor of Family Sciences. B.A., Auburn University; M.A., Auburn University; Ph.D., Auburn University.

GILLUM, NERISSA LEBLANC, Associate Professor of Family Sciences. B.S., Ambassador University; M.S., University of North Texas; Ph.D., University of North Carolina, Greensboro.

McCARROLL, ELIZABETH M., Associate Professor of Family Sciences. B.S., University of Texas at Austin; M.S., Texas Tech University; Ph.D., Texas Tech University.

MOORE, LIN, Associate Professor of Family Sciences. B.S., Texas Woman's University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

MURO, LILIA LAMAR, Associate Professor of Family Sciences. B.A., University of Texas at San Antonio; M.A., Southwest Texas State University; Ph.D., University of North Texas.

VITTRUP, BIRGITTE M., Associate Professor of Family Sciences. B.A., Texas State University; B.S., University of Texas at Austin; M.A., University of Texas at Austin; Ph.D., University of Texas at Austin.

Assistant Professors

BLANCO, PEDRO, Assistant Professor of Family Sciences. B.A., Southwest Texas State University; M.A., Lewis-Clark State College; Ph.D., University of North Texas.

BROWN, MELISSA MCINNIS, Assistant Professor of Family Sciences. B.A., University of Texas at Austin; M.A., University of Alabama, Tuscaloosa; PhD. University of Alabama, Tuscaloosa.

GRUBBS, LISA G., Assistant Professor of Family Sciences. B.S., University of North Texas; M.S., Texas Woman's University; Ph.D., Sam Houston State University.

HOLLIMAN, RYAN, Assistant Professor of Family Sciences. B.A., University of North Texas; M.Ed., University of North Texas; PhD., University of North Texas.

HUEY, ERRON, Assistant Professor of Family Sciences. B.A., Harding University; M.S., Oklahoma State University; Ph.D., Oklahoma State University.

McCLINTIC, SANDRA T., Assistant Professor of Family Sciences. B.S., Texas Woman's University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

NORTON, AARON, Assistant Professor of Family Sciences. B.S., University of Utah; M.S., Kansas State University; Ph.D., Kansas State University.

WOODS, SARAH B., Assistant Professor of Family Sciences. B.A., University of Rochester; M.S., University of Rochester; Ph.D., Florida State University.

Lecturer

DUTTON, CATHERINE L., Visiting Lecturer I of Family Sciences. B.A., Utah State University; M.A.T., Texas Woman's University; Ph.D., Texas Woman's University.

Master of Science in Child Development

All degree plans are developed in consultation with the student's advisory committee and are based on current departmental requirements as well as individual student needs and objectives. No grade below B is accepted toward the master's degrees described below.

Total Semester Credit Hours Required

33 semester credit hours (Thesis option) or
36 semester credit hours (Professional option) or
39 semester credit hours (Child Life option)

Required

Courses in research and subject matter specified in degree plan.

Special Requirements

Students who earn two grades of C or below in graduate classes will be dismissed from the program.

At least 50% (17 hours of 33-hour degree plan, 18 hours of 36-hour degree plan, or 20 hours of 39-hour degree plan) of graduate coursework toward degree must be taken in face-to-face classes (courses which are less than 50% online)

Final Examination

Most programs require an oral defense of the thesis or portfolio. This examination may be repeated if deemed appropriate by the student's advisory committee, with the approval of the chair of the department.

Master of Science in Child Development Program of Study (33 or 36 semester credit hours)

Thesis Option (33 semester credit hours)

Core		
FS 5113	Theories of Human Development	3
FS 5123	Theories of the Family	3
FS 5223	Child Growth and Human Development in Early Childhood	3
Research		
FS 5193	Statistics for Research in Family Sciences	3
FS 5693	Research Methods in Family Sciences	3
FS 5983	Thesis	3
FS 5993	Thesis	3
Content Specialization		
FS 5243	Adolescents in the Family	3
FS 5593	Play, Development, and the Young Learner	3
FS 5613	Child Guidance	3
FS 5643	The Development of Infants and Toddlers	3
Total Semester Credit Hours		33

Professional Option (36 semester credit hours)

Core		
FS 5113	Theories of Human Development	3
FS 5123	Theories of the Family (CFLE)	3
FS 5223	Child Growth and Human Development in Early Childhood	3
Research		
FS 5193	Statistics for Research in Family Sciences	3
FS 5693	Research Methods in Family Sciences	3
FS 5933	Practicum in Family Sciences (CFLE) Must be taken in last semester.	3
Content Specialization		
FS 5243	Adolescents in the Family	3

FS 5593	Play, Development, and the Young Learner	3
FS 5613	Child Guidance	3
FS 5643	The Development of Infants and Toddlers	3
Professional Development		
FS 5263	Observation and Assessment in Early Childhood	3
FS 5413	Development and Administration of Programs for Young Children	3
Total Semester Credit Hours		36

Child Life Option (39 semester credit hours)

Core		
FS 5113	Theories of Human Development	3
FS 5123	Theories of the Family (**)	3
FS 5223	Child Growth and Human Development in Early Childhood (**)	3
Research		
FS 5193	Statistics for Research in Family Sciences	3
FS 5693	Research Methods in Family Sciences (**)	3
Content Specialization		
FS 5243	Adolescents in the Family (**)	3
FS 5593	Play, Development, and the Young Learner (**)	3
FS 5613	Child Guidance (**)	3
FS 5643	The Development of Infants and Toddlers (**)	3
Professional Competencies		
FS 5183	Grief and Bereavement (**)	3
FS 5913	Independent Study (Child Life I **)	3
FS 5913	Independent Study (Child Life Practicum/Internship **)	3
FS 6323	Health, Illness, and Families (**)	3
Total Semester Credit Hours		39

Certified Family Life Educator

The M.S. in Child Development has been approved by the National Council on Family Relations as meeting the Standards and Criteria required for the Professional Certified Family Life Educator (CFLE) designation. Courses noted as “CFLE” must be completed in order to qualify for the abbreviated CFLE application process. In addition, FS 5023, 5153, 5233, 5533, 5823, 5833, and 5843 must be completed beyond the 33 hours required for the Professional option degree.

Notes:

Courses noted with two asterisks (**) count towards the course work required for Child Life certification.

Master of Science in Counseling and Development

All degree plans are developed in consultation with the student’s advisory committee and are based on current departmental requirements as well as individual student needs and objectives. No grade below B is accepted toward the master’s degrees described below.

Total Semester Credit Hours Required

Minimum 52 or 61 semester credit hours respectively, in either of the focal areas of interest listed below:

1. Professional School Counseling: Designed to meet the School Counselor educational requirements of the State Board for Educator Certification.
2. Clinical Mental Health Counseling: Designed to meet the educational requirements for Licensed Professional Counselor (LPC).

Special Requirements

All students admitted to the Counseling and Development Program must meet departmental and program criteria prior to filing a degree plan. Students should refer to the Family Sciences Graduate Handbook and the Counseling and Development Program Guidelines for specific program criteria. Three of the first twenty one semester credit hours must be FS 5363 and FS 5373. A grade of CR is required in FS 5363 and at least a B in FS 5373 prior to enrolling in FS 5364. A grade of CR is required in FS 5364 prior to enrolling in FS 5894. A student who 1) earns a grade of less than B (C, D, F, or WF)

in two graduate courses or in the same graduate course; 2) earns a grade of PR twice in FS 5363, FS 5364, FS 5373, or FS 5894; or 3) earns one C in a graduate course and one PR in FS courses FS 5363. FS 5373, FS 5364, or FS 5894 will be dismissed from the program.

Passing a criminal background check may be required by TWU and/or certain facilities associated with the required clinical work or for certifications/licensures. If students are unable to be cleared on any of these requirements, they may not be eligible to continue in the program or become certified/licensed.

Dual Degree in Counseling and Development and Music (with emphasis in Music Therapy)

For a minimum of 64 semester credit hours students can meet the educational requirements for Licensed Professional Counselor (LPC) and the educational requirements to sit for the national examination administered by the Certification Board for Music Therapists (MT-BC).

Final Examination

Most programs require an oral defense of the thesis or portfolio. This examination may be repeated if deemed appropriate by the student's advisory committee, with the approval of the chair of the department.

Master of Science in Counseling and Development (emphasis in Professional School Counseling) Program of Study (52 semester credit hours)

Required Counseling Courses		
Required as 9 of first 21 semester credit hours.		
FS 5443	Multicultural Counseling	3
FS 5303	Professional Orientation and Ethics in Counseling	3
FS 5313	Counseling Theory and Practice	3
Additional Counseling Core (19 hours are required)		
FS 5003	Lifespan Human Development	3
FS 5323	Psychological Appraisal of the Individual	3
FS 5353	Clinical Diagnosis and Treatment Planning for Counselors	3
FS 5453	Counseling for Career Development	3
FS 5911	Independent Study (Seminar: Current Issues in Counseling and Development)	1
School Counseling Specialty		
FS 5393	School Guidance and Counseling Services	3
Research		
FS 5693	Research Methods in Family Sciences	3
Electives		
Select a minimum of 2 courses from the following:		6
FS 5143	Addiction Counseling	
FS 5173	Crisis Intervention Counseling	
FS 5183	Grief and Bereavement	
FS 5163	Play Therapy	
FS 5293	Advanced Play Therapy: Theories and Applications	
FS 5383	Counseling Children and Adolescents	
FS 5903	Special Topics ("Expressive Arts")	
FS 5903	Special Topics ("Counseling an Aging Polulation")	
Clinical Competencies		
FS 5363	Prepracticum	3
FS 5373	Group Counseling Procedures (taken concurrently with Prepracticum)	3
FS 5364	Practicum in Counseling and Development (1 semester)	4
FS 5894	Internship in Counseling (2 semesters)	8
Total Semester Credit Hours		52

Master of Science Degree in Counseling and Development (emphasis in Clinical Mental Health Counseling) Program of Study (61 semester credit hours)

Required Courses		
Required as 9 of first 21 semester credit hours		

FS 5443	Multicultural Counseling	3
FS 5303	Professional Orientation and Ethics in Counseling	3
FS 5313	Counseling Theory and Practice	3
Additional Counseling Core (19-all required)		
FS 5003	Lifespan Human Development	3
FS 5143	Addiction Counseling	3
FS 5173	Crisis Intervention Counseling	3
FS 5323	Psychological Appraisal of the Individual	3
FS 5353	Clinical Diagnosis and Treatment Planning for Counselors	3
FS 5453	Counseling for Career Development	3
FS 5911	Independent Study (Seminar: Current Issues in Counseling & Development)	1
Community Counseling Specialty		
FS 5493	Community Mental Health Counseling	3
Research		
FS 5693	Research Methods in Family Sciences	3
Electives		
Select 9 semester credit hours from the following:		9
FS 5183	Grief and Bereavement	
FS 5163	Play Therapy	
FS 5293	Advanced Play Therapy: Theories and Applications	
FS 5383	Counseling Children and Adolescents	
FS 5903	Special Topics ("Expressive Arts")	
FS 5903	Special Topics ("Counseling an Aging Population")	
Clinical Competencies		
FS 5363	Prepracticum (Required as 3 of first 21 semester credit hours)	3
FS 5373	Group Counseling Procedures (Taken concurrently with Prepracticum)	3
FS 5364	Practicum in Counseling and Development (1 semester)	4
FS 5894	Internship in Counseling (2 semesters)	8
Total Semester Credit Hours		61

Dual Degree: M.S. in Counseling and Development and M.A. in Music (emphasis in Music Therapy)

The guidelines for the master's level preparation in Counseling and Development and Music (emphasis in Music Therapy) Dual Degree within the State Board of Examiners for Professional Counselors (LPC) are listed below. The dual Master's degree in Counseling and Development and Music (emphasis in Music Therapy) consists of 64 semester credit hours.

The Council for Accreditation for Counseling and Related Educational Programs (CACREP), a specialized accrediting body recognized by the Council for Higher Education (CHEA), has conferred accreditation to the M.S. in Counseling and Development, Community Counseling focal area.

Total Semester Credit Hours Required

For a minimum of 64 semester credit hours students can meet the educational requirements for Licensed Professional Counselor (LPC) and the educational requirements to sit for the national examination administered by the Certification Board for Music Therapists (MT-BC).

Special Requirements

All students admitted to the Counseling and Development Program must meet departmental and program criteria prior to filing a degree plan. Students should refer to the Family Sciences Graduate Handbook and the Counseling and Development Program Guidelines for specific program criteria. Three of the first twenty one semester credit hours must be FS 5363 and FS 5373. A grade of CR is required in FS 5363 and at least a B in FS 5373 prior to enrolling in FS 5364. A grade of CR is required in FS 5364 prior to enrolling in FS 5894. A student who 1) earns a grade of less than B (C, D, F, or WF) in two graduate courses or in the same graduate course; 2) earns a grade of PR twice in FS 5363, FS 5364, FS 5373, or FS 5894; or 3) earns one C in a graduate course and one PR in Family Science courses FS 5363. FS 5373, FS 5364, or FS 5894 will be dismissed from the program.

Passing a criminal background check may be required by TWU and/or certain facilities associated with the required clinical work or for certifications/licensures. If students are unable to be cleared on any of these requirements, they may not be eligible to continue in the program or become certified/licensed.

Final Examination

Most programs require an oral defense of the thesis or portfolio. This examination may be repeated if deemed appropriate by the student's advisory committee, with the approval of the chair of the department.

Dual Degree: Master of Science in Counseling and Development and Master of Arts in Music (emphasis in Music Therapy) Program of Study (64 semester credit hours)

Code	Title	Semester Credit Hours
Music Core		
MU 5933	Styles in Music	3
MU 5643	Research on Music and Behavior	3
MU 5973	Professional Paper	3
MU 5403	Music Theory Pedagogy	3
or MU 5903	Special Topics	
(must be MU 5903 ST: Analytical Techniques)		
Music Therapy Area		
MU 5533	Philosophies and Theories of Music Therapy	3
MU 5543	Multicultural Perspectives in Music Therapy	3
FS 5894	Internship in Counseling (joint internship in music therapy and counseling with joint supervision by MU and FS faculty)	4
Counseling Area		
FS 5003	Lifespan Human Development	3
FS 5303	Professional Orientation and Ethics in Counseling	3
FS 5313	Counseling Theory and Practice	3
FS 5323	Psychological Appraisal of the Individual	3
FS 5353	Clinical Diagnosis and Treatment Planning for Counselors	3
FS 5363	Prepracticum	3
FS 5364	Practicum in Counseling and Development	4
FS 5373	Group Counseling Procedures	3
FS 5443	Multicultural Counseling	3
FS 5453	Counseling for Career Development	3
FS 5493	Community Mental Health Counseling	3
FS 5894	Internship in Counseling	4
FS 5911	Independent Study (Counseling and Development Portfolio)	1
Counseling Elective		3
Total Semester Credit Hours		64

Testing for drugs, specific immunizations in addition to those required by TWU, proof of personal medical insurance, and/or passing a criminal background check may be required by certain facilities associated with the required clinical work or for certification/licensure. If students are unable to be cleared on any of these requirements, they may not be eligible to continue in the program or to become certified/licensed. The cost of any required background checks, immunizations, and/or drug testing are the responsibility of the student.

Certification as a Music Therapist (MT-BC) is achieved by passing a national examination administered by the Certification Board for Music Therapists. Students completing the dual degree program must be eligible for board certification in music therapy prior to the awarding of the dual degree. Eligibility for board certification as a music therapist is achieved EITHER by completing an undergraduate degree in music therapy prior to admission to the dual degree program OR by completing an undergraduate equivalency program in music therapy concurrently with the dual master's degree curriculum. Completion of the undergraduate equivalency or an undergraduate degree in music therapy does not guarantee eligibility to take the board certification exam. Questions regarding specific criminal background and its possible effects on eligibility for board certification should be addressed directly to the Certification Board for Music Therapists.

Licensure as a Professional Counselor is achieved by passing a state examination, after completion of coursework and the required supervised clinical work (3000 postmaster's internship clock hours). Questions regarding eligibility for licensure as a counselor should be addressed to the Counseling and Development Program Coordinator in the Department of Family Sciences or directly to the Texas State Board of Examiners of Professional Counselors.

Special Note #1

The following courses must be completed prior to enrolling in the Counseling Clinical Competency Sequence:

Code	Title	Semester Credit Hours
FS 5303	Professional Orientation and Ethics in Counseling (Fall 4 weekends)	3
FS 5313	Counseling Theory and Practice	3
FS 5443	Multicultural Counseling	3

Special Note #2

FS 5373 Group Counseling must be taken concurrently with FS 5364.

Special Note #3

Professional competency courses must be taken at TWU in the Department of Family Sciences. The student must take these courses in sequence and earn a grade of CR in each course to advance in the sequence. Any student receiving a PR in one of these courses must retake the course before progressing in the sequence. Students receiving 1(one) PR in a professional competency course must meet with the Counseling and Development faculty before registering for additional courses. Students receiving a C in any course must meet with the Counseling and Development faculty before registering for any additional classes. No two professional competency courses can be taken at the same time. Two grades of C or PR will result in dismissal from the Counseling and Development program.

Special Note #4:

Students who wish to work in Substance Abuse/Chemical Dependency Facilities should consider taking FS 5143 in addition to this 64 semester credit hour curriculum. The substance abuse course may be taken as the counseling elective in the 64 semester credit hour program.

Special Note #5:

Students taking the equivalency program in music therapy while completing the dual degree in counseling and music therapy must complete their music therapy undergraduate internship **before** beginning the graduate practicum/internship sequence in counseling. Exceptions may be made on an individual basis, but in **no case** can a student complete the joint internship in Counseling/MT (the 2nd semester of FS 5894) prior to completing the undergraduate MT internship, as per AMTA requirements.

Refer to the TWU Graduate Catalog for further explanation of policy and procedures.

Required for Graduation with Dual Degree:

Eligibility to take the CBMT Board Certification Examination in Music Therapy 64 Semester Credit Hour Dual Master's Degree Program

Required for Licensure as LPC:

LPC Examination and Postgraduate Experience (3000 hours)

Master of Education in Early Childhood Education

All degree plans are developed in consultation with the student's advisory committee and are based on current departmental requirements as well as individual student needs and objectives. No grade below B is accepted toward the master's degrees described below.

Total Semester Credit Hours Required

30 semester credit hours (thesis option) or
37 semester credit hours (portfolio option)

Required

Courses in research and subject matter specified in degree plan.

Special Requirements

Students who earn two grades of C or below in graduate classes will be dismissed from the program.

A student's M.Ed. degree plan committee, thesis committee, or portfolio committee should have at least two members (out of the three total) from ECDE component faculty.

At least 50% (15 hours of 30-hour degree plan or 18 hours of 37-hour degree plan) of graduate coursework toward degree must be taken in face-to-face classes (courses which are less than 50% online).

Final Examination

Most programs require an oral defense of the thesis or portfolio. This examination may be repeated if deemed appropriate by the student's advisory committee, with the approval of the chair of the department.

Master of Education in Early Childhood Education Program of Study (30 or 37 semester credit hours)

Thesis Option (30 semester credit hours)

Core (6 hours)		
FS 5213	Curriculum Development in Early Childhood	3
FS 5223	Child Growth and Human Development in Early Childhood	3
Research (12 hours)		
FS 5193	Statistics for Research in Family Sciences	3
FS 5693	Research Methods in Family Sciences	3
FS 5983	Thesis (thesis option only)	3
FS 5993	Thesis (thesis option only)	3
Content Specialization (12 hours)		
FS 5203	Language and Literacy in Early Childhood	3
FS 5263	Observation and Assessment in Early Childhood	3
FS 5283	Technology and the Young Learner	3
FS 5773	Home/School/Community Partnerships	3
Total Semester Credit Hours		30

Portfolio Option (37 semester credit hours)

Core (6 hours)		
FS 5213	Curriculum Development in Early Childhood	3
FS 5223	Child Growth and Human Development in Early Childhood	3
Research (7 hours)		
FS 5193	Statistics for Research in Family Sciences	3
FS 5693	Research Methods in Family Sciences	3
FS 5911	Independent Study (Portfolio)	1
Content Specialization (12 hours)		
FS 5203	Language and Literacy in Early Childhood	3
FS 5263	Observation and Assessment in Early Childhood	3
FS 5283	Technology and the Young Learner	3
FS 5773	Home/School/Community Partnerships	3
Related Areas (12 hours)		
Select 4 of the following courses:		12
FS 5273	Reflections and Perspectives in Early Childhood	
FS 5413	Development and Administration of Programs for Young Children	
FS 5593	Play, Development, and the Young Learner	
FS 5613	Child Guidance	
FS 5783	Issues in Early Childhood Research and Evaluation	
Total Semester Credit Hours		37

Master of Science in Family Studies

All degree plans are developed in consultation with the student's advisory committee and are based on current departmental requirements as well as individual student needs and objectives. No grade below B is accepted toward the master's degrees described below.

Total Semester Credit Hours Required

34 semester credit hours (thesis option or professional paper) or
35 semester credit hours (non-thesis / portfolio option)

Required

Courses in research and subject matter specified in degree plan.

Special Requirements

If a grade of C or below is earned two times while enrolled in any Family Sciences master's program, the student will be dismissed from the program.

Final Examination

Most programs require an oral defense of the thesis or professional portfolio. This examination may be repeated if deemed appropriate by the student's advisory committee, with the approval of the chair of the department.

Master of Science in Family Studies Program of Study (34 or 35 semester credit hours)

Thesis Option (34 semester credit hours)

Required Foundation I		
To be completed in first 2 semesters.		
FS 5003	Lifespan Human Development (*)	3
FS 5123	Theories of the Family (*)	3
FS 5221	Seminar in Family Sciences	1
Required Foundation II		
FS 5823	Families and Public Policy (*)	3
FS 5833	Family Economics (*)	3
Research		
FS 5193	Statistics for Research in Family Sciences	3
FS 5693	Research Methods in Family Sciences	3
Content Specialization		
Select 9 semester credit hours from the following:		9
FS 5023	Family Sexuality (*)	
FS 5103	Families as Consumers	
FS 5153	Family Changes and Diversity (*)	
FS 5233	Communication in Marriage and Family (*)	
FS 5243	Adolescents in the Family	
FS 5253	Gender Role Development	
FS 5533	Parenting Education (*)	
FS 5573	Family Crises	
FS 5603	Aging in Families and Society	
FS 5663	Leadership and Staff Development in Family Sciences Programs	
FS 5713	Housing and Families	
FS 5803	Time Management for Families	
FS 5843	Teaching Family Sciences (*)	
FS 5933	Practicum in Family Sciences (*)	
Professional Competency		
Taken in final semester(s).		
FS 5983	Thesis	3
FS 5993	Thesis	3
Total Semester Credit Hours		34

Professional Paper Option (34 semester credit hours)

Required Foundation I		
To be completed in first 2 semesters.		

FS 5003	Lifespan Human Development (*)	3
FS 5123	Theories of the Family (*)	3
FS 5221	Seminar in Family Sciences	1
Required Foundation II		
FS 5823	Families and Public Policy (*)	3
FS 5833	Family Economics (*)	3
Research		
FS 5193	Statistics for Research in Family Sciences	3
FS 5693	Research Methods in Family Sciences	3
Content Specialization		
Select 12 semester credit hours from the following:		12
FS 5023	Family Sexuality (*)	
FS 5103	Families as Consumers	
FS 5153	Family Changes and Diversity (*)	
FS 5233	Communication in Marriage and Family (*)	
FS 5243	Adolescents in the Family	
FS 5253	Gender Role Development	
FS 5533	Parenting Education (*)	
FS 5573	Family Crises	
FS 5603	Aging in Families and Society	
FS 5663	Leadership and Staff Development in Family Sciences Programs	
FS 5713	Housing and Families	
FS 5803	Time Management for Families	
FS 5843	Teaching Family Sciences (*)	
FS 5933	Practicum in Family Sciences (*)	
Professional Competency		
Taken in final semester(s).		
FS 5973	Professional Paper	3
Total Semester Credit Hours		34

Non-thesis / Portfolio Option (35 semester credit hours)

Required Foundation I		
To be completed in first 2 semesters.		
FS 5003	Lifespan Human Development (*)	3
FS 5123	Theories of the Family (*)	3
FS 5221	Seminar in Family Sciences	1
Required Foundation II		
FS 5823	Families and Public Policy (*)	3
FS 5833	Family Economics (*)	3
Research		
FS 5193	Statistics for Research in Family Sciences	3
FS 5693	Research Methods in Family Sciences	3
Content Specialization		
Select 15 semester credit hours from the following:		15
FS 5023	Family Sexuality (*)	
FS 5103	Families as Consumers	
FS 5153	Family Changes and Diversity (*)	
FS 5233	Communication in Marriage and Family (*)	
FS 5243	Adolescents in the Family	
FS 5253	Gender Role Development	
FS 5533	Parenting Education (*)	
FS 5573	Family Crises	

FS 5603	Aging in Families and Society	
FS 5663	Leadership and Staff Development in Family Sciences Programs	
FS 5713	Housing and Families	
FS 5803	Time Management for Families	
FS 5843	Teaching Family Sciences (*)	
FS 5933	Practicum in Family Sciences (*)	
Professional Competency		
Taken in final semester(s).		
FS 5911	Independent Study (Professional Portfolio)	1
Total Semester Credit Hours		35

Family Resource Management Emphasis Option or Content Specialization

Family Resource Management Emphasis Option or Content Specialization		
FS 5103	Families as Consumers	3
FS 5713	Housing and Families	3
FS 5803	Time Management for Families	3
FS 5833	Family Economics	3
FS 5843	Teaching Family Sciences	3
FS 5933	Practicum in Family Sciences	3
Total Semester Credit Hours		18

Certified Family Life Educator

The M.S. in Family Studies has been approved by the National Council on Family Relations as meeting the Standards and Criteria required for the Professional Certified Family Life Educator (CFLE) designation. Courses noted with an asterisk (*) must be completed in order to qualify for the abbreviated CFLE application process.

Doctor of Philosophy in Family Studies

All degree plans are developed in consultation with the student's advisory committee and are based on current departmental requirements as well as individual student needs and objectives. No grade below B is accepted toward the doctoral degrees described below.

Total Semester Credit Hours Required

A minimum of 90 semester credit hours above the bachelor's degree, including 6 semester credit hours for dissertation. (Proficiency in statistics is required as part of the program, including completion of a 6000-level statistics course.) 30 of 90 hours must be research courses. Consult with advisor for appropriate/approved research courses.

Major

Two-thirds of the total semester credit hours will determine the major.

Note: The specific course requirements and total semester credit hours are developed in cooperation with and approved in a meeting of the student's graduate advisory committee. The department chair also approves individual doctoral degree plans based on current departmental requirements. If a grade of C or below is earned two times while in any Family Sciences doctoral program, the student will be dismissed from the program.

Research Tools

The Department of Family Sciences requirement is currently consistent with the university requirements as described in the Graduate School General Requirements section of this catalog. Check with the department for any possible additions in acceptable courses to meet the research tool requirement. These requirements of 12 student credit hours are a part of the 90 semester credit hours minimum described above and are included in the 30 hours of research courses required.

Qualifying Exams

A student seeking the doctoral degree in Family Studies must take a 4-part First Year Program Examination in Family Studies before completing 18 semester credit hours. An acceptable passing score for each section is required. Only one re-take is allowed.

All students are required to complete all course work on the degree plan prior to taking qualifying examinations. The only exception to this rule is that a Family Therapy student may complete the final semester of internship during the semester when the qualifying examination is taken. A student should enroll for the first semester of dissertation (FS 6983) during the semester when the qualifying examination is taken.

Family Studies students will take a 2-day written qualifying exam focusing on 5 areas: 1) Human Development Theories 2) Family Theories, 3) Quantitative Methodology, 4) Qualitative Methodology, and the 5) Content Specialization (Family Studies). An oral exam and/or debriefing will follow successful completion of the written exam. The written and oral examination may be repeated one time.

Final Examination

A comprehensive oral examination will include a defense of the dissertation and the research on which it is based, as well as questions concerning the major. The final examination may only be repeated one time.

Committee Requirements

Dissertation Committee

All dissertation committees are comprised of a minimum of three graduate faculty members. At least two of the committee members must represent the major discipline (component). The committee chair must have full graduate faculty standing. Additional committee voting members must have associate or full graduate faculty standing.

External committee members may be requested by the committee chair by submitting a CV and request to the Dean of the Graduate School for approval. They serve in addition to the required three member committee as an ex-officio committee member.

Degree Plan Committee

All degree plan committees are composed of five graduate faculty members.

Doctor of Philosophy in Family Studies Plan of Study (90 semester credit hours, including relevant master's coursework)

Prerequisites		
Master's degree in Family Studies or a related field and coursework equivalent to the following:		
FS 5003	Lifespan Human Development (*)	
FS 5123	Theories of the Family (*)	
FS 5193	Statistics for Research in Family Sciences	
FS 5693	Research Methods in Family Sciences	
Doctoral Core (15 hours)		
FS 6003	Advanced Study of the Lifespan (*)	3
FS 6403	Theory Building in Family Sciences	3
FS 6413	Current Research and Issues in Family Sciences	3
FS 6423	Readings in Family Sciences	3
FS 6593	Practicum in Family Sciences (*)	3
Research (18 hours)		
FS 6433	Grants Writing in Family Sciences	3
FS 6693	Advanced Quantitative Research Methods In Family Sciences (Prerequisite: A master's level research methods course and a graduate-level statistics course)	3
FS 6793	Advanced Qualitative Research Methods In Family Sciences (Prerequisite: A master's level research methods course)	3
FS 6873	Applied Multivariate Statistics for Family Sciences (Prerequisite: Graduate-level statistics course)	3
FS 6983	Dissertation	3
FS 6993	Dissertation	3
Professional Competencies (12 hours)		
FS 6303	Academic Life and Scholarship	3
FS 6343	Effective College Teaching Methods	3
FS 6683	Professional Seminar in Family Sciences	3
FS 6863	Family Financial Counseling	3
Content Specialization (21 hours)		
Select 21 semester credit hours from the following:		21
FS 5023	Family Sexuality (*)	
FS 5103	Families as Consumers	
FS 5153	Family Changes and Diversity (*)	
FS 5233	Communication in Marriage and Family (*)	

FS 5243	Adolescents in the Family
FS 5253	Gender Role Development
FS 5533	Parenting Education (*)
FS 5573	Family Crises
FS 5603	Aging in Families and Society
FS 5663	Leadership and Staff Development in Family Sciences Programs
FS 5713	Housing and Families
FS 5803	Time Management for Families
FS 5823	Families and Public Policy (*)
FS 5833	Family Economics (*)
FS 5843	Teaching Family Sciences (*)
FS 5883	Family of Origin

No more than 42 semester credit hours of online coursework will count toward the doctoral degree.

Certified Family Life Educator

The Ph.D. in Family Studies has been approved by the National Council on Family Relations as meeting the Standards and Criteria required for the Professional Certified Family Life Educator (CFLE) designation. Courses noted with an asterisk (*) must be completed in order to qualify for the abbreviated CFLE application process.

Master of Science in Family Therapy

All degree plans are developed in consultation with the student's advisory committee and are based on current departmental requirements as well as individual student needs and objectives. No grade below B is accepted toward the master's degrees described below.

Total Semester Credit Hours Required

57 semester credit hours (thesis or non-thesis option)

Required

Courses in family therapy (30 hours), research (6 semester credit hours), plus a minimum of 12 semester credit hours of clinical internship specified in degree plan. Students must also pass the Family Therapy M.S. final exam.

Passing a criminal background check may be required by TWU and/or certain facilities associated with the required clinical work or for certifications/licensures. If students are unable to be cleared on any of these requirements, they may not be eligible to continue in the program or become certified/licensed.

Final Examination

Family Therapy requires a final exam. This examination may be repeated if deemed appropriate by the student's advisory committee, with the approval of the chair of the department.

Criminal Background Check

Passing a criminal background check may be required by TWU and/or certain facilities associated with the required clinical work or for certifications/licensures. If students are unable to be cleared on any of these requirements, they may not be eligible to continue in the program or become certified/licensed.

Master of Science in Family Therapy Program of Study (57 semester credit hours)

Foundations of Family Therapy Theory and Practice		
FS 5003	Lifespan Human Development (must be completed before begining Internship)	3
FS 5023	Family Sexuality (face-to-face class format only)	3
FS 5123	Theories of the Family	3
FS 5353	Clinical Diagnosis and Treatment Planning for Counselors (must be completed before beginning Internship)	3
FS 5553	Principles of Couple Therapy (must be completed before beginning Internship)	3
FS 5563	Family Therapy I (must be completed before beginning Internship)	3
FS 5853	Family Systems (must be completed before beginning Internship)	3
FS 5883	Family of Origin (must be completed before beginning Internship)	3

FS 6233	Issues and Ethics in Professional Development (must be taken at TWU and must be completed before beginning Internship)	3
FS 6323	Health, Illness, and Families	3
Foundational Practice Experience		
FS 5363	Prepracticum (must be completed before beginning Internship)	3
FS 5544	Internship in Family Therapy	4
FS 5544	Internship in Family Therapy	4
FS 5544	Internship in Family Therapy (must complete a minimum of 3 consecutive semesters)	4
Research		
FS 5693	Research Methods in Family Sciences	3
FS 5193	Statistics for Research in Family Sciences	3
Non-thesis Option		
Select 6 semester credit hours as agreed upon by student's advisory committee. Choices include:		6
FS 5183	Grief and Bereavement	
FS 5223	Child Growth and Human Development in Early Childhood	
FS 5243	Adolescents in the Family	
FS 5323	Psychological Appraisal of the Individual	
FS 5373	Group Counseling Procedures (Students must complete an application for this course and be approved during the semester preceeding enrollment. Must enroll in Family Therapy section only.)	
FS 5443	Multicultural Counseling	
FS 5603	Aging in Families and Society	
FS 5613	Child Guidance	
FS 5833	Family Economics	
OR Thesis Option		
FS 5983	Thesis	
FS 5993	Thesis	
Total Semester Credit Hours		57

Grading Specific to the Family Therapy Program

As stated earlier, all Family Therapy students are required to earn grades of "B" or better in all graduate courses. If less than a "B" is earned, students must retake the course the next available semester the course is offered. If a student earns two non-passing grades in any courses during their program, they will be removed from the program. Even though students have retaken a course and earned a passing grade for one (1) course, it does not negate the consequence associated with this two non-passing grades requirement.

Doctor of Philosophy in Family Therapy

All degree plans are developed in consultation with the student's advisory committee and are based on current departmental requirements as well as individual student needs and objectives. No grade below B is accepted toward the doctoral degrees described below.

Total Semester Credit Hours Required

A minimum of 90 semester credit hours above the bachelor’s degree, including 6 semester credit hours for dissertation. (Proficiency in statistics is required as part of the program, including completion of a 6000-level statistics course.) 30 of 90 hours must be research courses. Consult with advisor for appropriate/approved research courses.

Major

Two-thirds of the total semester credit hours will determine the major.

Note: The specific course requirements and total semester credit hours are developed in cooperation with and approved in a meeting of the student’s graduate advisory committee. The department chair also approves individual doctoral degree plans based on current departmental requirements. If a grade of C or below is earned two times while in any Family Sciences doctoral program, the student will be dismissed from the program.

Research Tools

The Department of Family Sciences requirement is currently consistent with the university requirements as described in the Graduate School General Requirements section of this catalog. Check with the department for any possible additions in acceptable courses to meet the research tool requirement.

These requirements of 12 student credit hours are a part of the 90 semester credit hours minimum described above and are included in the 30 hours of research courses required.

Qualifying Exams

A student seeking the doctoral degree in Family Studies must take a 4-part First Year Program Examination in Family Studies before completing 18 semester credit hours. An acceptable passing score for each section is required. Only one re-take is allowed.

All students are required to complete all course work on the degree plan prior to taking qualifying examinations. The only exception to this rule is that a Family Therapy student may complete the final semester of internship during the semester when the qualifying examination is taken. A student should enroll for the first semester of dissertation (FS 6983) during the semester when the qualifying examination is taken.

Family Studies and Family Therapy students will take a three-day written comprehensive qualifying exam that is two-thirds on the major and one-third on the minor or related field. The exam will be prepared by the chair of the advisory committee from questions submitted by the committee members. An oral exam and debriefing will follow successful completion of the written exam, normally within 10 days. The written and oral examination may be repeated one time.

Early Childhood Development and Education students will take a two-day written comprehensive qualifying exam administered on campus. Upon successfully passing the exam, students will be given five days to write a research proposal, which they will defend at an oral examination. Details of the examination procedure and expectations can be found on the ECDE website (http://www.twu.edu/family-sciences/early-childhood-development.asp). Both written and oral examinations may only be repeated one time.

Final Examination

A comprehensive oral examination will include a defense of the dissertation and the research on which it is based, as well as questions concerning the major. The final examination may only be repeated one time.

Committee Requirements

Dissertation Committee

All dissertation committees are comprised of a minimum of three graduate faculty members. At least two of the committee members must represent the major discipline (component). The committee chair must have full graduate faculty standing. Additional committee voting members must have associate or full graduate faculty standing.

External committee members may be requested by the committee chair by submitting a CV and request to the Dean of the Graduate School for approval. They serve in addition to the required three member committee as an ex-officio committee member.

Degree Plan Committee

All degree plan committees are composed of five graduate faculty members.

Criminal Background Check

Passing a criminal background check may be required by TWU and/or certain facilities associated with the required clinical work or for certifications/ licensures. If students are unable to be cleared on any of these requirements, they may not be eligible to continue in the program or become certified/ licensed.

Doctor of Philosophy in Family Therapy Program of Study (90 semester credit hours, including relevant master's coursework)

Prerequisites		
The following prerequisite courses, or reasonable equivalents, will be completed in the student's Master's degree program; if not, they must be taken during the Family Therapy doctoral degree program.		
FS 5003	Lifespan Human Development	
FS 5023	Family Sexuality	
FS 5123	Theories of the Family	
FS 5193	Statistics for Research in Family Sciences	
FS 5353	Clinical Diagnosis and Treatment Planning for Counselors	
FS 5363	Prepracticum	
FS 5693	Research Methods in Family Sciences	
FS 6323	Health, Illness, and Families	
Family Therapy Core (24 hours)		
FS 5553	Principles of Couple Therapy	3

FS 5563	Family Therapy I	3
FS 5853	Family Systems	3
FS 5883	Family of Origin	3
FS 6233	Issues and Ethics in Professional Development	3
FS 6243	Theories and Strategies for Intervention In Family Therapy	3
FS 6563	Family Therapy II	3
FS 6863	Family Financial Counseling	3
Professional Competencies (19 hours)		
FS 6343	Effective College Teaching Methods	3
FS 6544	Advanced Internship in Family Therapy	16
Research Core (15 hours)		
FS 6693	Advanced Quantitative Research Methods In Family Sciences	3
FS 6793	Advanced Qualitative Research Methods In Family Sciences	3
FS 6873	Applied Multivariate Statistics for Family Sciences	3
FS 6983	Dissertation	3
FS 6993	Dissertation	3
Doctoral Core (12 hours)		
FS 6003	Advanced Study of the Lifespan	3
FS 6403	Theory Building in Family Sciences	3
FS 6413	Current Research and Issues in Family Sciences	3
FS 6423	Readings in Family Sciences	3

Grading Specific to the Family Therapy Program

As stated earlier, all Family Therapy students are required to earn grades of "B" or better in all graduate courses. If less than a "B" is earned, students must retake the course the next available semester the course is offered. If a student earns two non-passing grades in any courses during their program, they will be removed from the program. Even though students have retaken a course and earned a passing grade for one (1) course, it does not negate the consequence associated with this two non-passing grades requirement.

Doctor of Philosophy in Early Child Development and Education

All degree plans are developed in consultation with the student's advisory committee and are based on current departmental requirements as well as individual student needs and objectives. No grade below B is accepted toward the doctoral degrees described below.

Total Semester Credit Hours Required

A minimum of 90 semester credit hours above the bachelor’s degree, including 6 semester credit hours for dissertation. (Proficiency in statistics is required as part of the program, including completion of a 6000-level statistics course.) 30 of 90 hours must be research courses. Consult with advisor for appropriate/approved research courses.

Major

Two-thirds of the total semester credit hours will determine the major.

Note: The specific course requirements and total semester credit hours are developed in cooperation with and approved in a meeting of the student’s graduate advisory committee. The department chair also approves individual doctoral degree plans based on current departmental requirements. If a grade of C or below is earned two times while in any Family Sciences doctoral program, the student will be dismissed from the program.

Research Tools

The Department of Family Sciences requirement is currently consistent with the university requirements as described in the Graduate School General Requirements section of this catalog. Check with the department for any possible additions in acceptable courses to meet the research tool requirement. These requirements of 12 student credit hours are a part of the 90 semester credit hours minimum described above and are included in the 30 hours of research courses required.

Qualifying Exams

Early Childhood Development and Education students will take a two-day written comprehensive qualifying exam administered on campus. Upon successfully passing the exam, students will be given five days to write a research proposal, which they will defend at an oral examination. Details of the

examination procedure and expectations can be found on the ECDE website (http://www.twu.edu/family-sciences/early-childhood-development.asp). Both written and oral examinations may only be repeated one time.

Final Examination

A comprehensive oral examination will include a defense of the dissertation and the research on which it is based, as well as questions concerning the major. The final examination may only be repeated one time.

Committee Requirements

Dissertation Committee

All dissertation committees are comprised of a minimum of three graduate faculty members. At least two of the committee members must represent the major discipline (component). The committee chair must have full graduate faculty standing. Additional committee voting members must have associate or full graduate faculty standing.

External committee members may be requested by the committee chair by submitting a CV and request to the Dean of the Graduate School for approval. They serve in addition to the required three member committee as an ex-officio committee member.

Degree Plan Committee

All degree plan committees are composed of five graduate faculty members.

Three of the five degree plan committee members must be from the student's major component.

Doctor of Philosophy in Early Child Development and Education Program of Study (90 semester credit hours, including relevant master's coursework)

Special Requirements

Students who earn two grades of C or below in graduate classes will be dismissed from the program.

Prerequisites (21 hours)		
Completed Master's Degree		
The following courses or equivalencies:		
FS 5113	Theories of Human Development	
FS 5193	Statistics for Research in Family Sciences (research tool)	
FS 5693	Research Methods in Family Sciences (research focused course)	
Child Development Specialization		
FS 5003	Lifespan Human Development	
FS 5123	Theories of the Family	
ECE Specialization		
FS 5213	Curriculum Development in Early Childhood	
FS 5223	Child Growth and Human Development in Early Childhood	
Early Child Development and Education Core (12 hours)		
FS 6513	Language and Cognitive Development in Young Children	3
FS 6653	Seminar in Developmental Theory (research focused course)	3
FS 6903	Special Topics (Advanced Seminar in Early Childhood Education)	3
FS 6923	Research in Family Sciences (with consent of advisor)(research focused course)	3
Family Science Doctoral Core (12 hours)		
FS 6003	Advanced Study of the Lifespan	3
FS 6403	Theory Building in Family Sciences (research focused course)	3
FS 6413	Current Research and Issues in Family Sciences (research focused course)	3
FS 6423	Readings in Family Sciences (research focused course)	3
Research Core (15 hours)		
FS 6693	Advanced Quantitative Research Methods In Family Sciences (Prerequisite: A master's level research methods course and a graduate-level statistics course; research tool)	3
FS 6793	Advanced Qualitative Research Methods In Family Sciences (Prerequisite: A master's level research methods course; research tool)	3

FS 6873	Applied Multivariate Statistics for Family Sciences (Prerequisite: Graduate-level statistics course; research tool)	3
FS 6983	Dissertation (research focused course)	3
FS 6993	Dissertation (research focused course)	3
Specialization		
Select one of the following specializations:		12
Child Development Specialization (12 hours)		
Select 4 from the following:		
FS 5223	Child Growth and Human Development in Early Childhood	
FS 5243	Adolescents in the Family	
FS 5593	Play, Development, and the Young Learner	
FS 5613	Child Guidance	
FS 5643	The Development of Infants and Toddlers	
Early Childhood Education Specialization (12 hours)		
FS 6623	Social and Cultural Dimensions of Early Language Development	
FS 6663	Foundations of Early Childhood Education	
Select 2 from the following:		
FS 5263	Observation and Assessment in Early Childhood (research focused course)	
FS 5283	Technology and the Young Learner	
FS 5783	Issues in Early Childhood Research and Evaluation	
Professional Development (9 hours)		
Select 3 from the following:		9
FS 6303	Academic Life and Scholarship	
FS 6343	Effective College Teaching Methods	
FS 6433	Grants Writing in Family Sciences (research focused course)	
FS 6593	Practicum in Family Sciences (with consent of advisor)	
FS 6683	Professional Seminar in Family Sciences (research focused course)	

Post-Master's Certificate in School Counseling

The School Counseling Certificate program prepares Post-Master's students to successfully become eligible for a school counseling certification in public schools in the Texas Public School System. The goal of the certificate is to provide a base of coursework necessary for the taking of the state school counseling exam as well as obtaining employment as a school counselor in the Texas Public School System. Further, it prepares students to successfully execute a school counseling guidance program by aligning coursework with the ASCA (American School Counseling Association) model. Therefore, this certificate program is an approach integrating basic counseling skills and school counseling requirements into a coherent study. Completing this certificate makes the candidate a viable employment option for school districts seeking a school counselor on the elementary or secondary public school levels. Coursework in the certificate program emphasizes the multicultural demographics that exist in the school systems as well as ways to serve these populations' respective needs. The coursework offered emphasizes the creative use of presenting school guidance programs to students, allowing for potential candidates to find purpose, meaning and the use of individual pioneering spirits in their field of expertise. This eventually may lead to a professional fulfilling life as they are encouraged to amalgamate didactic practices with an inspired approach.

In addition to this certificate, students must satisfy other state mandated criteria for certification in school counseling, which includes holding a teaching certificate in Texas and having taught as the teacher of record in a public or accredited private school for a minimum of two years.

Post-master's Certificate in School Counseling Program of Study (45 semester credit hours)

FS 5003	Lifespan Human Development	3
FS 5303	Professional Orientation and Ethics in Counseling	3
FS 5313	Counseling Theory and Practice	3
FS 5323	Psychological Appraisal of the Individual	3
FS 5363	Prepracticum	3
FS 5364	Practicum in Counseling and Development	4
FS 5373	Group Counseling Procedures	3
FS 5443	Multicultural Counseling	3

FS 5453	Counseling for Career Development	3
FS 5894	Internship in Counseling (taken two times)	8
FS 5903	Special Topics (Foundations of School Counseling)	3
FS 5903	Special Topics (Critical Issues in School Counseling)	3
FS 5903	Special Topics (Applied Skills in School Counseling)	3
Total Semester Credit Hours		45

Master of Arts in Teaching (emphasis in Early Childhood Education)

The M.A.T. is designed as a minimum 32 semester credit hour program.

The M.A.T. (emphasis in Early Childhood Education) is a degree offered by College of Professional Education (COPE) in collaboration with the Department of Family Sciences. All post-baccalaureate and graduate students seeking certification must comply with admission standards required by the major department and the COPE. A student in the M.A.T. program will take 9 Family Sciences Early Childhood Education semester credit hours of their choosing (after advising from the Family Sciences faculty.) The remaining credits are determined and administered by COPE and are as follows:

Master of Arts in Teaching (M.A.T.) Program of Study (32 or 38 minimum semester credit hours)

Code	Title	Semester Credit Hours
Pedagogy and Professional Responsibilities		
EDUC 5113	Foundations of Teaching and Learning	3
EDUC 5123	Learning Theory, Development, and Research	3
EDUC 5131	Technology in Assessment and Instruction	1
EDUC 5133	Assessment and Instructional Design and Delivery for Diverse Learners	3
EDUC 5143	Effective Design and Management of the Classroom Environment (EC-12)	3
EDUC 5173	Diversity in the Classroom	3
Academic Specialization		
This is coursework in the field of study. Students will take the Texas Exam of Educator Standards (TExES) in their field of study before or during their first semester in the program.		9
Field-Based Experience		
A full-time, one-semester unpaid professional practicum in a school setting. (All coursework must be completed before beginning student teaching.)		
OR		
A full-time, two-semester internship (6 semester credit hours) in a school setting in which the student is employed and paid as the teacher of record. (This option requires that 12 semester credit hours of pedagogy courses must be completed.)		6-12
Professional Portfolio and Final Assessment		
Each student will maintain a professional portfolio throughout her or his program. The completed portfolio must be submitted for evaluation prior to graduation.		1
Total Semester Credit Hours		32-38

Department of Reading

Web Site: http://www.twu.edu/reading/

Chair: *Connie Briggs, Professor*
Location: *MCL 907*
Phone: *940-898-2227*
Fax: *940-898-2224*
E-mail: *reading@mail.twu.edu*

Graduate Degrees Offered

- M.A. in Reading Education (p. 213)
- M.Ed. in Reading Education (p. 214)
- M.A.T. (emphasis in Reading) (p. 215)
- Ph.D. in Reading Education (p. 216)

The principal objectives of the department are to provide professional development in literacy for teachers and educators, with emphases on advanced graduate training in literacy. The department also provides specialized study at the doctoral level in reading, with emphasis on the study and practice of research in selected areas of literacy from early childhood through adult years. A major goal of all graduate programs is to develop leadership potential and skills for graduates of these programs and to encourage effective teaching practice in all areas of public schools and at the college level. At all levels of study, the interrelationships of theory and practice are valued, as students are led to develop theory and new knowledge leading to integration of research and teaching. The department also offers services to teachers, schools, parents, and the community in the form of courses, programs of study, and expert consultation and advice on literacy teaching and learning.

The doctoral program in reading prepares educators and researchers for specialized work in literacy at all levels of education. The program responds to the recognition of the value of literacy and contributes to its development in diverse social contexts, from local school districts to universities in the United States and abroad.

Coursework leads to certification as All-Level Reading Specialist and/or Master Reading Teacher.

Admissions

Admission Requirements

Please see the admission section (p. 56) of this catalog. In addition to these general requirements, the Department of Reading requires certification of proficiency in reading, writing, and speaking English for unconditional admission to all master's and doctoral degree programs. This proficiency must be certified to the advisor within the period of the first 12 semester credit hours, or its equivalent, of course work taken at Texas Woman's University toward the degree.

After meeting the general university admission standards, each student's application is reviewed by the Department Chair. Applicants must satisfy program admission requirements available from department (http://www.twu.edu/reading/apply.asp). Contact the department for current requirements and application procedures.

Certificates

Certification Programs Offered in Reading

Certificates are awarded by the State Board for Educator Certification.

Masters coursework leads to certification as an All-Level (EC-12) Reading Specialist. This certificate requires previous teaching certification and, at the time of completion, a master's degree and two years' classroom teaching experience. In addition, students must successfully complete the appropriate certification exam and related requirements.

Coursework also leads to the Master Reading Teacher (MRT) certificate. This certificate requires previous certification, three years' teaching experience, completion of required coursework, and passing MRT exam. Courses taken for MRT certification can be applied to master's degrees in the department.

Master's courses taken at the post-baccalaureate level to satisfy the professional development requirements leading to initial teacher certification (excluding student teaching) may be applied to a master's degree in the department, subject to department approval. Professional-level certification and endorsements may be coordinated with most master's and doctoral degrees in the department, depending on advisory committee approval.

Minors

Minors Offered to Students from Other Departments

Minors are available in many areas for master’s and doctoral students. Contact department for details.

Courses

READ 5023. Literacy Development I: Grades EC-4. For post-baccalaureate students in emergency or alternative certification programs. Includes planning and organizing for instruction and assessment in oral language, phonological and phonemic awareness, and word analysis for children in grades EC-4; practice-based activities. May be graded on a Credit (CR) or No-Credit basis. Three lecture hours a week. Credit: Three hours.

READ 5413. Literacy Coaching: Theory and Practice. Theoretical components essential for effective literacy coaching practices. Application of coaching practices utilizing video-taped coaching triads. Analysis and reflection of coaching triads. Models for site-based professional learning, collaboration, and co-teaching. Three lecture hours a week. Credit: Three hours.

READ 5423. Literacy: Practice to Theory. Theories, issues, and practices in teaching literacy from early childhood through high school. Understanding and construction of literacy theory and processes in relation to practice; observing learners; informed decision making based on formal and informal assessments; addressing the needs of all learners including second language learners. Field experience required. This course is a prerequisite for all reading courses. Three lecture hours a week. Credit: Three hours.

READ 5443. Literacy: Assessment and Instruction. Instruction, analysis, and application of research based formal and informal literacy assessments; use of assessments to guide responsive instruction; ability to communicate outcomes and standards to various audiences. Field experience required. Prerequisite: READ 5423. Three lecture hours a week. Credit: Three hours.

READ 5453. Processes and Strategies for Comprehending Texts. Theories and practices related to literacies across a variety of print and non-print texts and genres. Focus on providing optimal environments for comprehension and interpretation of texts and on developing students' independent uses of strategies for engaging with these texts. Field experience required. Prerequisite: READ 5423. Three lecture hours a week. Credit: Three hours.

READ 5463. Practicum in Literacy: Analysis of Teaching and Mentoring. Clinical experiences in classrooms, small group, and individual instruction; diagnosis, analysis, and teaching utilizing assessment data and research based practices; application of mentoring and coaching strategies for collaborating with professional colleagues and parents. Field experience required. Prerequisites: READ 5423 and READ 5443. One lecture and five practicum hours a week. Credit: Three hours.

READ 5473. Early Detection in Reading. Focus on the administration and interpretation of Marie Clay's Diagnostic Survey and intervention procedures that will support the at-risk beginning reader. In addition to observing children and teachers interacting behind a one-way glass, all enrolled in the course will work with four children while learning procedures. Prerequisite: Permission of instructor. Seven practicum hours a week. Credit: Three hours.

READ 5483. Early Intervention in Reading. Focus on the refinement of procedures used with at-risk beginning readers. Attention will be directed to teacher decision-making while working with four children. All enrolled in the course will be involved in teaching and observing children behind a one-way glass. Prerequisite: Permission of instructor. Seven practicum hours a week. Credit: Three hours.

READ 5493. Research in Literacy: Responsive Action in Schools. Critical reading, evaluation, and design of research in literacy; understanding of research trends in literacy; effective communication of research for decision-making in literacy at the program-level. Prerequisites: READ 5423, admission to graduate program, and completion of at least 15 graduate hours in reading. Three lecture hours a week. Credit: Three hours.

READ 5503. Phonological and Orthographic Language Systems in Literacy Learning. Focuses on language processes, including phonological and orthographic language systems related to literacy development. Research and theory related to letters, sounds and their relationship, word analysis, and spelling will be used to critique and evaluate reading programs and design customized assessment and instruction. Field experience required. Prerequisite: READ 5423. Three lecture hours a week. Credit: Three hours.

READ 5513. Literacy and the Diverse Learner. Theories, issues, and practices of literacy instruction in various academic settings for EC-12 learners of diverse linguistic, cultural, economic, and academic backgrounds. Field experience required. Prerequisite: READ 5423. Three lecture hours a week. Credit: Three hours.

READ 5523. Supervision and the Teaching of Reading. Problems in improvement of reading instruction; studies in organization and implementation of reading programs. Three lecture hours a week. Credit: Three hours.

READ 5533. Foundations of Early Literacy. A course focusing on literacy teaching and learning in the early grades. Emphasis on reading, writing, and oral language. Attention to observation and assessment, appropriate selection, and use of books and materials. Organization and management, ways of teaching that support children in building strong processing systems in reading and writing, etc. Three lecture hours a week. Credit: Three hours.

READ 5543. Literacy in the Content Areas. Rationale and principles for teaching reading and related communication skills in content-area subjects; emphasis on strategies for instruction in text comprehension, text production, and vocabulary development. Three lecture hours a week and 15 clock hours of field-based research. Credit: Three hours.

READ 5553. Reading Strategies for Struggling Intermediate/Middle School Readers. Research-based instructional practices for struggling literacy learners in intermediate and middle school. Literacy learning theory, research related to literacy acquisition, and well developed curriculum, instruction, and assessments. Three lecture hours a week. Credit: Three hours.

READ 5563. Adolescent Literacy. The expanding body of research on adolescent literacy, with a focus on theories of "new literacies." Implementation of findings into classrooms of all subject areas. Adolescent learning and literacy and how this knowledge can engage students in interacting with varied sources of texts. Using the multiple literacy practices of today's adolescents to enhance their academic literacies. Three lecture hours a week. Credit: Three hours.

READ 5603. Intensive Teaching in Early Literacy Intervention. Intense and precise observation, analysis, and teaching of individual/diverse learners; change over time in individuals having extreme difficulty in literacy learning. Requires individual teaching of students identified for special education services and teaching children behind a one-way glass. Prerequisites: READ 5473 and READ 5483. Three lecture hours a week. Credit: Three hours.

READ 5901. Special Topics. Variable content. Prerequisite: Permission of instructor. One lecture hour a week. Credit: One hour.

READ 5903. Special Topics. Variable content. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

READ 5911. Independent Study. Individual study of specific problems. Prerequisite: Permission of instructor. Credit: One hour.

READ 5913. Independent Study. Individual study of specific problems. Prerequisite: Permission of instructor. Credit: Three hours.

READ 5963. Seminar in Literacy Research. Completion and presentation of research based professional portfolio; development of professional goals; development and implementation of professional research-based presentations. Prerequisite: Completion of all master's coursework. Three seminar hours a week. Credit: Three hours.

READ 5973. Professional Paper. Students maintain continuous registration while actively working on master's paper. Credit limited to six hours total. Credit: Three hours.

READ 5981. The Professional Portfolio. Development of a professional portfolio by students in the Master of Arts in Teaching program demonstrating the student's growth in the Learner-Centered Competencies. Pass-fail grade only. May be repeated. Credit: One hour.

READ 5983. Thesis. Credit: Three hours.

READ 5993. Thesis. Prerequisite: READ 5983. Credit: Three hours.

READ 6483. Qualitative Research. Theories and methods of qualitative research conducted in social settings. Prerequisite: Doctoral status. Three lecture hours a week. Credit: Three hours.

READ 6493. Advanced Qualitative Research Design and Analysis. Advanced methods of qualitative research design, collection, and analysis of data gathered in social settings. Prerequisite: Graduate introductory level qualitative research course. Three lecture hours a week. Credit: Three hours.

READ 6513. Observing and Responding to Young Readers. Focus on the systematic and controlled observation of young children using a series of diagnostic survey instruments. Additional content emphasis includes the teacher's role in responding to emerging readers, based on actual observations of literacy behaviors and theoretical literacy perspectives. Prerequisite: Permission of instructor. Seven practicum hours a week. Credit: Three hours.

READ 6523. Early Literacy Intervention. Focus on the procedure for working with emerging at-risk readers and writers. The course content is based on strategies children need to be independent readers and writers. Course content and presentation reflect a highly-theoretical teacher decision making model based on actual observation of teacher-child interactions. Prerequisite: Permission of instructor. Seven practicum hours a week. Credit: Three hours.

READ 6533. Foundation of Reading: Physiological And Psychological Dimensions. Critical examination of scientific studies and theories related to the physiological and psychological aspects of the reading act, analysis of facilitating and inhibiting factors in early reading development, and appraisals of approaches to teaching beginning reading in relation to this analysis. Prerequisite: Three to six hours of graduate study in reading and child development, or permission of instructor. Three lecture hours a week. Credit: Three hours.

READ 6543. Theoretical Foundations: Early Literacy and Early Intervention. A course for Reading Recovery teacher leaders-in-training focusing on the underlying theories of early literacy acquisition (including processes related to reading, writing, and oral language) and the underlying theories of prevention of reading difficulties through early intervention. Three lecture hours a week. Credit: Three hours.

READ 6563. Nature of Literacy in the Adolescent Years. Examination of the expanding body of research, policy, history, and underlying theories of "adolescent literacy;" implementation of research findings in instruction; consideration of adolescent engagement in situated literacies involving new multi-literacies; influences of social, cultural, linguistic, and historical factors. Three lecture hours a week. Credit: Three hours.

READ 6573. Language and Literacy. Seminal and current research and theory pertaining to language and literacy practices, including language acquisition. Focus on how these languages and literacies develop inside and outside of school and across sign systems, as well as the social, cultural, linguistic, and historical influences that situate different practices. Prerequisite: READ 6533 or permission of instructor. Three lecture hours a week. Credit: Three hours.

READ 6583. Research in Literacy. Description of methods and techniques employed in literacy research and critiquing, analyzing, and synthesizing significant research. Prerequisites: twelve to fifteen hours in reading and six hours in statistics, or permission of the instructor. Three lecture hours a week. Credit: Three hours.

READ 6593. Advanced Reading Research Design: Analysis and Evaluation. Methods of inquiry about the reading process: teaching, learning, and proposal development. Prerequisites: Fifteen hours of graduate study in reading including READ 6583 and six hours of statistics, or permission of instructor. Three lecture hours a week. Credit: Three hours.

READ 6663. Practicum. Registration in the areas of reading, kindergarten, and/or early childhood teaching or by field placement in an administrative or supervisory setting. Type of placement will vary with student's area of major concentration and past experience. Prerequisite: Nine hours of doctoral credit or permission of instructor. Nine practicum hours a week. Credit: Three hours.

READ 6673. Theoretical Foundations in Language and Literacy. Analysis of theories that contribute to early reading and writing; application of principles of systematic observation of oral and written language development and the relationship to early school literacy; and examination of literacy processes found in effective early literacy intervention. Three lecture hours a week. Credit: Three hours.

READ 6683. Doctoral Seminar in Reading. Variable content. In depth examination of research relevant to topics. May be repeated for up to twelve hours of credit with permission of student's advisor. Prerequisites: Three to six graduate hours in reading or permission of instructor. Three seminar hours a week. Credit: Three hours.

READ 6693. Literacy Leadership and Policy. Trends that influence the implementation of effective literacy programs in schools. Theoretical constructs of leadership, organizational, and complex systems and critical discourse analysis as lenses for analysis. Three seminar hours a week. Credit: Three hours.

READ 6743. Clinical Practicum in Early Literacy Leadership. Theories and practices related to early literacy and early intervention. Principles of early literacy, implementation of early literacy intervention in schools and systems, teaching adult learners, and using data to monitor early literacy and early intervention. Field work in schools required. Prerequisite: Permission of instructor. Two lecture and four practicum hours a week. Credit: Three hours.

READ 6753. Advanced Clinical Practicum in Early Literacy Leadership. Application of expertise in early literacy and early intervention leadership. Participation in the implementation of early literacy teacher courses and early intervention in schools and systems, teaching adult learners, and use of data to refine and evaluate implementation. Field work in schools required. Prerequisite: Permission of instructor. Two lecture and four practicum hours a week. Credit: Three hours.

READ 6903. Special Topics. Variable content. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

READ 6911. Independent Study. Variable content. Individual research relating to a problem of professional interest and significance. May be repeated for up to 12 hours of credit with permission of student's advisor. Prerequisites: Permission of instructor and post-master's standing. Credit: One hour.

READ 6913. Independent Study. Variable content. Individual research relating to a problem of professional interest and significance. May be repeated for up to twelve hours of credit with permission of student's advisor. Prerequisites: Permission of instructor and post-master's standing. Credit: Three hours.

READ 6983. Dissertation. May be repeated for up to six hours of credit. Credit: Three hours.

READ 6993. Dissertation. May be repeated for up to six hours of credit. Prerequisite: READ 6983. Credit: Three hours.

Faculty

Professors

ANDERSON, NANCY, Professor of Reading. B.A., Texas Lutheran University; M.Ed., University of Houston; Ph.D., Ohio State University .

BRIGGS, CONNIE M., Professor of Reading; Chair of the Department of Reading. B.A., Southeastern Oklahoma State University; M.Ed., Southeastern Oklahoma State University; Ph.D., University of North Texas.

SIMPSON, ANNE M., Cornaro Professor of Reading. B.A., Southern Methodist University; M.Ed., Texas A&M University; Ph.D., University of North Texas.

WATSON, PATRICIA A., Professor of Reading. B.S., Missouri State University; M.S., Missouri State University; Ph.D., University of Missouri, Columbia.

Associate Professors

ELIAS, ANNETTE T., Associate Professor of Reading. B.A., University of Puerto Rico; M.Ed., Texas Woman's University; Ph.D., Texas Woman's University.

HAAG, CLAUDIA A., Associate Professor of Reading. B.A., Texas Lutheran University; M.A., Texas Woman's University; Ph.D., Texas Woman's University.

Assistant Professors

BURKE, AMY, Assistant Professor of Reading. B.A., Austin College; M.A.T., Austin College; M.Ed., Texas Woman's University; Ph.D., University of Texas at Austin .

KAYE, ELIZABETH L., Assistant Professor of Reading. B.A., Trinity University; M.A., Texas Woman's University; Ph.D., Texas Woman's University.

Master of Arts in Reading Education

Total Semester Credit Hours Required

36 to 39 semester credit hours, including 6 semester credit hours for thesis (M.A.), or 3 seminar hours in literacy research culminating in an electronic professional portfolio (M.Ed.).

Major

27-30 semester credit hours
Children's literature: 3 semester credit hours
Focus area: 6 semester credit hours, subject to advisor's approval

Final Examination

The capstone experience is a professional digital portfolio.

No grade below a B is accepted toward the master's degree.

Master of Arts in Reading Program of Study (39 semester credit hours)

All courses are delivered in a blended format.

Fall 1		
Required Orientation Saturday in August		
READ 5423	Literacy: Practice to Theory	3
Spring 1		
READ 5443	Literacy: Assessment and Instruction	3
Summer 1		
READ 5513	Literacy and the Diverse Learner	3
READ 5503	Phonological and Orthographic Language Systems in Literacy Learning	3
Fall 2		
Required mid-program conference with advisor		
READ 5453	Processes and Strategies for Comprehending Texts	3
Spring 2		
READ 5493	Research in Literacy: Responsive Action in Schools	3
Summer 2		
READ 5523	Supervision and the Teaching of Reading	3
READ 5463	Practicum in Literacy: Analysis of Teaching and Mentoring	3
Fall 3		
READ 5963	Seminar in Literacy Research	3
Other Courses: Students decide semester with advisor		
Two Focus Area Courses (Must be approved by advisor)		6
1 Children's Literature Course		3
MA requires additional 3 hours of Thesis		3
Total Semester Credit Hours		39

Master of Education in Reading Education

Total Semester Credit Hours Required

36 to 39 semester credit hours, including 6 semester credit hours for thesis (M.A.), or 3 seminar hours in literacy research culminating in an electronic professional portfolio (M.Ed.).

Major

27-30 semester credit hours
Children's literature: 3 semester credit hours
Focus area: 6 semester credit hours, subject to advisor's approval

Final Examination

The capstone experience is a professional digital portfolio.

No grade below a B is accepted toward the master's degree.

Master of Education in Reading Program of Study (36 semester credit hours)

Blended Program

Fall start course sequence is below. Summer start also available and would start with a Special Topics course. (See advisor.)

Fall 1		
Required Orientation Saturday in August		
READ 5423	Literacy: Practice to Theory	3
Spring 1		
READ 5443	Literacy: Assessment and Instruction	3
Summer 1		
READ 5513	Literacy and the Diverse Learner	3
READ 5503	Phonological and Orthographic Language Systems in Literacy Learning	3
Fall 2		
Required mid-program conference with advisor		
READ 5453	Processes and Strategies for Comprehending Texts	3
Spring 2		
READ 5493	Research in Literacy: Responsive Action in Schools	3
Summer 2		
READ 5463	Practicum in Literacy: Analysis of Teaching and Mentoring	3
READ 5523	Supervision and the Teaching of Reading	3
Fall 3		
READ 5963	Seminar in Literacy Research	3
Other Courses		
Two Focus Area Courses (Must be approved by advisor)		6
LS 5603	Literature for Children and Young Adults	3
Total Semester Credit Hours		36

Master of Arts in Teaching (emphasis in Reading)

The M.A.T. is designed as a minimum 32 semester credit hour program.

The M.A.T. (emphasis in Reading) is a degree offered by the College of Professional Education (COPE) in collaboration with the Department of Reading. All post-baccalaureate and graduate students seeking certification must comply with admission standards required by the major department and the College of Professional Education. A student in the M.A.T. program will take 9 Reading semester credit hours of their choosing (after advising from the Reading faculty.) The remaining credits are determined and administered by COPE and are as follows:

Master of Arts in Teaching (M.A.T.) Program of Study (32 or 38 minimum semester credit hours)

Code	Title	Semester Credit Hours
Pedagogy and Professional Responsibilities		
EDUC 5113	Foundations of Teaching and Learning	3
EDUC 5123	Learning Theory, Development, and Research	3
EDUC 5131	Technology in Assessment and Instruction	1
EDUC 5133	Assessment and Instructional Design and Delivery for Diverse Learners	3
EDUC 5143	Effective Design and Management of the Classroom Environment (EC-12)	3
EDUC 5173	Diversity in the Classroom	3
Academic Specialization		
This is coursework in the field of study. Students will take the Texas Exam of Educator Standards (TExES) in their field of study before or during their first semester in the program.		9
Field-Based Experience		

A full-time, one-semester unpaid professional practicum in a school setting. (All coursework must be completed before beginning student teaching.)	
OR	
A full-time, two-semester internship (6 semester credit hours) in a school setting in which the student is employed and paid as the teacher of record. (This option requires that 12 semester credit hours of pedagogy courses must be completed.)	6-12
Professional Portfolio and Final Assessment	
Each student will maintain a professional portfolio throughout her or his program. The completed portfolio must be submitted for evaluation prior to graduation.	1
Total Semester Credit Hours	32-38

Doctor of Philosophy in Reading Education

Total Semester Credit Hours Required

A minimum of 90 semester credit hours post-baccalaureate or 66-72 semester credit hours post master's degree, including 12 semester credit hours of dissertation. For students holding the master's degree, a minimum of 60 semester credit hours beyond the master's is required plus satisfaction of the research tools requirement for the Ph.D. Based on a review of the preparation of each entering student, additional courses may be required. No grade below a B is accepted toward the doctoral degree.

Reading Required Courses

18 semester credit hours

Minor and/or Related Area

12-15 semester credit hours. Adjusted to meet needs of each student's program.

Doctor of Philosophy in Reading Education Program of Study (90 semester credit hours)

Research Tools		
Statistics		6
Advanced Research		9
Required Courses		
READ 6533	Foundation of Reading: Physiological And Psychological Dimensions	3
READ 6563	Nature of Literacy in the Adolescent Years	3
READ 6573	Language and Literacy	3
READ 6903	Special Topics	3
READ 6583	Research in Literacy	3
READ 6593	Advanced Reading Research Design: Analysis and Evaluation	3
Dissertation		
READ 6983	Dissertation	3
READ 6993	Dissertation (taken 3 times)	9
Minor or Related Areas		12-18
Outside the Department of Reading		
Electives		12-15
Select 12-15 semester credit hours from the following:		
READ 6483	Qualitative Research	
READ 6493	Advanced Qualitative Research Design and Analysis	
READ 6513	Observing and Responding to Young Readers	
READ 6523	Early Literacy Intervention	
READ 6543	Theoretical Foundations: Early Literacy and Early Intervention	
READ 6663	Practicum	
READ 6673	Theoretical Foundations in Language and Literacy	
READ 6683	Doctoral Seminar in Reading	
READ 6743	Clinical Practicum in Early Literacy Leadership	
READ 6753	Advanced Clinical Practicum in Early Literacy Leadership	

READ 6903	Special Topics
READ 6911	Independent Study
READ 6913	Independent Study
Optional courses	
At the discretion of the admissions committee, advisor, and the advisory committee as well as the admissions committee.	
READ 5423	Literacy: Practice to Theory
READ 5443	Literacy: Assessment and Instruction
READ 5453	Processes and Strategies for Comprehending Texts
READ 5503	Phonological and Orthographic Language Systems in Literacy Learning
READ 5463	Practicum in Literacy: Analysis of Teaching and Mentoring
READ 5513	Literacy and the Diverse Learner
READ 5523	Supervision and the Teaching of Reading
READ 5493	Research in Literacy: Responsive Action in Schools
LS 5603	Literature for Children and Young Adults

Department of Teacher Education

Web Site: http://www.twu.edu/teacher-education/

Chair: *Jane Pemberton, Professor*
Location: *SH 108*
Phone: *940-898-2271*
Fax: *940-898-2270*
E-mail: *teachereducation@twu.edu*

Graduate Degrees Offered

- M.A. in Administration (p. 224)
- M.A. in Special Education (p. 225)
- M.A. in Teaching, Learning, and Curriculum (p. 226)
- M.Ed. in Administration (p. 228)
- M.Ed. in Special Education (p. 229)
- M.Ed. in Teaching, Learning, and Curriculum (p. 230)
- Ph.D. in Special Education (p. 232) (In cooperation with the Federation of North Texas Area Universities.)

The Department of Teacher Education is comprised of four program areas:

- Bilingual and English as a Second Language (ESL)
- Curriculum & Instruction
- Educational Administration
- Special Education

Bilingual and English as a Second Language (ESL) Education

Programs leading to additional certification by the State Board for Educator Certification (http://tea.texas.gov/index4.aspx?id=3461) (SBEC) in Bilingual Education and ESL are offered through the department. Further information may be found on the Department of Teacher Education and Office of Student Support (http://www.twu.edu/teacher-certification) websites.

Curriculum and Instruction

The Curriculum and Instruction program also offers a master degree in Teaching, Learning, and Curriculum. It requires 36 semester credit hours which include 6 semester credit hours of research, a 12 semester credit hour core of courses, and 18 semester credit hours of coursework in one or more strands related to diverse populations, curriculum, and various content areas. One example strand emphasizes Bilingual Education and English as a Second Language (ESL). Course specialization may lead to fulfilling requirements for additional certification or a teaching position at a community college.

The Curriculum & Instruction Program offers graduate level coursework for individuals seeking initial Texas teacher certification through the post-baccalaureate teacher certification program as well as through the Master of Arts in Teaching (M.A.T.) degree. The M.A.T. is a university-wide degree designed to combine certification requirements with a content area specialization.

Educational Administration

The TWU graduate program in Educational Administration is preparing leaders for 21st century challenges in a society that is culturally diverse, fast paced, and information rich. TWU graduates respect differences, celebrate diversity, and demonstrate the requisite skills, knowledge and dispositions necessary for effective leadership, all of which are integrated in the Educational Administration Program.

Students acquire knowledge and sharpen skills in educational leadership and administration through courses in school law, curriculum and instruction, educational foundations, human resources development and administrative internships. Classes include a variety of delivery options including fully online, blended and face-to-face.

Special Education

The Special Education Program offers advanced degrees that allow individuals to enhance their knowledge of research in special education, acquire knowledge and expertise in working with individuals with disabilities and become master teachers. Graduate programs are individualized to meet the career needs and interests of students.

Students may take coursework leading to university certification as an Intervention Specialist. This degree provides the skills to work with school personnel, parents and other educational professionals in implementing those interventions with students.

Students may take coursework leading to Educational Diagnostician Certification. Certificates are awarded by the State Board for Educator Certification. Contact the Department for current information about Texas certificates.

Master of Arts in Teaching (M.A.T.)

The Department of Teacher Education provides education coursework as part of the Master of Arts in Teaching (M.A.T.) degree. This program is designed to prepare students who have already earned a bachelor's degree for initial teacher certification while leading to a master's degree. The M.A.T. meets the teacher certification standards outlined by the State Board for Educator Certification (http://tea.texas.gov/index4.aspx?id=3461) (SBEC). Further information and application procedures may be found on the TWU Masters of Arts in Teaching website (http://www.twu.edu/mat).

Admissions

Admission Requirements for Department of Teacher Education Programs

Admission to graduate programs in the Department of Teacher Education (academic degree, certification, and advanced study) is based upon a thoughtful and holistic review of applicant materials and appraisal of applicant qualifications. The process begins with application to the TWU Graduate School (p. 56). When an application to the Graduate School is complete and processed, the application is then forwarded to the Department of Teacher Education for review and recommendation. In addition to information required by the TWU Graduate School, an applicant must complete and submit additional materials required by the program area in the Department of Teacher Education. This information and timelines for submission of application materials may be accessed on the Graduate School (http://www.twu.edu/gradschool) and Department of Teacher Education (http://www.twu.edu/teacher-education/default.asp) websites.

Programs in Educational Administration

Admission to degree, certification, and graduate certificate programs in Educational Administration begins with application to the Graduate School. When applications to the Graduate School are processed and complete, applications are then forwarded to academic departments for review and recommendation. In addition to information required by the TWU Graduate School, applicants must complete and submit additional materials required by the Department of Teacher Education and the Educational Administration Program. Information and timelines for submission of application materials may be accessed on the Graduate School (http://www.twu.edu/gradschool) and Department of Teacher Education (http://www.twu.edu/teacher-education/default.asp) websites. Decisions about admission are made based upon a thoughtful and holistic review of applicant materials and appraisal of applicant qualifications.

Programs in Curriculum and Instruction

Admission to the master's programs in Teaching, Learning, and Curriculum begins with an application to the TWU Graduate School and is based on several factors including an earned bachelor's degree from a regionally accredited institution of higher education, and GPA of 3.0 or higher on at least the last 60 semester credit hours of study. Typically, students should have a valid teaching certification. Application policies and procedures for the Department of Teacher Education may be accessed on the website (http://www.twu.edu/teacher-education/admissions.asp). Further information about post-baccalaureate teacher certification programs or the M.A.T (http://www.twu.edu/mat). may be obtained by contacting the Office of Student Support Services (http://www.twu.edu/teacher-certification) in the College of Professional Education.

M.Ed. or M.A. in Special Education

Admission to any Special Education graduate degree program is based on a holistic evaluation of several factors including an earned bachelor's degree from a regionally accredited institution of higher education and a GPA of 3.0 for the last 60 semester credit hours of undergraduate study. Typically, students should have a valid teaching certification. See the Special Education website (http://www.twu.edu/teacher-education/special-education.asp) for specific admission criteria.

Ph.D. in Special Education

Admission to the doctoral program in special education takes into consideration several factors deemed as important for success in graduate studies. No single factor determines an individual's eligibility for admission. For specific and current information please see the admission section (p. 56) of this catalog and the Ph.D. Handbook on the Special Education website (http://www.twu.edu/teacher-education/special-education.asp).

Certificates

Certificates in Teacher Education

Provisional and professional level certification may be developed along with master's and doctoral degrees depending on advisory committee approval. Post-baccalaureate certification programs are possible through application to the Graduate School for certification only or non-degree status. Certificates are awarded by the State Board for Educator Certification. Contact the Department for information about current certificates. Requirements for certification programs may change based upon changes in requirements, policies or procedures of the State Board for Educator Certification (http://www.tea.state.tx.us/index4.aspx?id=3461).

- Post-Baccalaureate Certificate in Leadership in Education and Sport (p. 233)
- Post-Master's Certificate of Advanced Study - Bilingual Educational Diagnostician (p. 234)

- Post-Master's Certificate of Advanced Study - Educational Diagnostician (p. 234)
- Post-Master's Certificate of Advanced Study - Principal (p. 235)
- Post-Master's Certificate of Advanced Study - Superintendent (p. 235)

Billingual Education Courses

EDBE 5333. Curriculum for Bilingual Education: Methods and Materials. Curriculum organization of the elementary school with emphasis on background and objectives of educational programs in reading, writing, math, science, and social studies appropriate to the needs of children for whom English is a second language. Three lecture hours a week. Credit: Three hours.

EDBE 5413. Teaching Reading and Other Language Arts to Linguistically Different Learners. Principles and best practices in teaching English literacy skills to linguistically different learners in the elementary schools. Three lecture hours a week. Credit: Three hours.

EDBE 5453. English as a Second Language: Methods. A comprehensive examination of current principles, practices, and methods of teaching English as a second language (ESL) through lectures and demonstrations. Teaching content areas via ESL methods. Three lecture hours a week. Credit: Three hours.

EDBE 5633. Education in Culturally Diverse Environments. Analysis of theoretical foundations of contemporary multicultural education, review of its policies and practices, and exploration of multicultural concepts for achieving cultural pluralism. Three lecture hours a week. Credit: Three hours.

EDBE 5653. Second Language Acquisition: Theories and Practices. Mental processes involved in second-language acquisition and their pedagogical implications. Fundamentals of psycholinguistics and cross-cultural communication. Three lecture hours a week. Credit: Three hours.

EDBE 5903. Special Topics. Organized study of a topic in Bilingual or ESL education. May be repeated for credit when topic varies. Three lecture hours a week. Credit: Three hours.

EDBE 5911. Independent Study. Independent study of specific problems in Bilingual and ESL education. Prerequisite: Permission of instructor. May be repeated for credit. Credit: One hour.

EDBE 5913. Independent Study. Individual study of specific problems in Bilingual and ESL education. Prerequisite: Permission of instructor. May be repeated for credit. Credit: Three hours.

EDBE 5923. Practicum. Field experience in Bilingual or ESL education. Prerequisite: Permission of instructor. May be repeated for credit. Credit: Three hours.

Special Education Courses

EDSP 5003. Psychology and Education of Exceptional Children. In-depth study in understanding educational and psychological problems in all areas of exceptionality; individual case studies; field trips and demonstration of problems. Three lecture hours a week. Credit: Three hours.

EDSP 5013. Collaborating for Effective Intervention. Communicative/Interactive skills used for consultation and collaborative problem-solving in the classroom. Emphasis on strategies for collaboration among educators who work with students with disabilities, teachers, administrators, support personnel, and paraprofessionals, with an emphasis on collaboration in the design, implementation, and evaluation of student interventions. Three lecture hours a week. Credit: Three hours.

EDSP 5033. Using Assessments for Effective Interventions. Current concepts and issues of assessment in special education; knowledge and practice in administering and using standardized assessments as well as curriculum based assessment; assessment of students from diverse backgrounds and application of response to intervention (RTI) data. Three lecture hours a week. Credit: Three hours.

EDSP 5043. Legal and Administrative Issues of Special Education Programs. Concepts and theories in the administrative aspects of special education with an emphasis on laws, legislation, and litigation related to the provision of instruction and other educational services to students with disabilities. Three lecture hours a week. Credit: Three hours.

EDSP 5053. Principles of Learning for Exceptional Children. Review of principles of learning theories. Application of learning theories to characteristics and educational needs of students with exceptionalities. Application of theories to instruction and behavior management. Three lecture hours a week. Credit: Three hours.

EDSP 5103. Developmental Disabilities. Psychological, educational, institutional, and physical needs of individuals with developmental disabilities; analysis of case histories; intellectual evaluations; vocational assessment, diagnosis, and treatment. Three lecture hours a week. Credit: Three hours.

EDSP 5303. Students With Emotional/Behavioral Disorders. Behavioral characteristics and needs of students with emotional/behavioral disorders in both regular and special classrooms; issues related to vocational and transition planning; parent training, and consultation procedures. Three lecture hours a week. Credit: Three hours.

EDSP 5313. Behavior Interventions for Students with Disabilities. Concepts, theories, and strategies to provide effective behavioral interventions for students with disabilities. Includes social skill intervention, crisis management procedures, and planning and implementing social development programs. Focus on the use of intervention tools such as Positive Behavior Supports and Behavior Intervention Plans. Three lecture hours a week. Credit: Three hours.

EDSP 5343. Instructional Interventions: Applied Behavior Analysis. Application of behavior analysis (ABA) principles to increase learning of students; emphasis on single subject research designs; concepts and content of ABA; identification of target behavior, and the implementation of behavioral principles to increase or decrease behavior. Three lecture hours a week. Credit: Three hours.

EDSP 5353. Instructional Interventions: Learning Strategies. Learning strategies to provide effective instructional interventions for students with disabilities. Strategies in language arts, reading, math, and other content areas. Includes the use of the Strategies Intervention Model, as well as other learning strategies curricula. Three lecture hours a week. Credit: Three hours.

EDSP 5413. Individuals with Learning Disabilities. Identification, characteristics, and etiology of children with learning disabilities; intervention strategies to improve academic, behavioral, and social skills. Three lecture hours a week. Credit: Three hours.

EDSP 5423. Instructional Interventions for Students with Disabilities. Practical application of theories, methods, technology, techniques, and materials for designing and implementing instructional interventions for students with disabilities. Selection, use, and evaluation of curriculum models and materials. Three lecture hours a week. Credit: Three hours.

EDSP 5833. Clinical Instruction in Psychoeducational Assessment. Structured clinical experiences in using techniques and psychoeducational procedures for cognitive, academic, and behavioral assessment. Three lecture hours a week. Credit: Three hours.

EDSP 5843. Clinical Instruction in Intellectual Assessment. Laboratory or practical experiences involving the administration and interpretation of instruments of appraisal or assessment. Three lecture hours a week. Credit: Three hours.

EDSP 5853. Advanced Assessment and Evaluation of Individuals with Disabilities. Interpretation of educational and psychological assessments; educational recommendations; and report writing. Prerequisites: EDSP 5003, EDSP 5833, and EDSP 5843. Three lecture hours a week. Credit: Three hours.

EDSP 5903. Special Topics. Organized study of a topic in special education. May be repeated. Three lecture hours a week. Credit: Three hours.

EDSP 5911. Independent Study. Individual study of a specific topic in special education. May be repeated. Prerequisite: Permission of instructor. Credit: One hour.

EDSP 5913. Independent Study. Individual study of a specific topic in special education. May be repeated. Prerequisite: Permission of instructor. Credit: Three hours.

EDSP 5923. Practicum. Field placement in an area of special education. May be repeated. Prerequisite: Permission of instructor. Seven practicum hours a week. Credit: Three hours.

EDSP 5973. Professional Paper. May be repeated for credit for a total of six hours credit. Prerequisite: ELDR 5203 or approved research course. Credit: Three hours.

EDSP 5983. Thesis. Credit: Three hours.

EDSP 5993. Thesis. Prerequisite: EDUC 5983. Credit: Three hours.

EDSP 6103. Social, Psychological, and Educational Aspects of Intellectual and Development Disabilities. Advanced study of etiology, remediation, and education of individuals with mental retardation and developmental disabilities. Prerequisites: EDSP 5103 or equivalent course, and permission of instructor. Three lecture hours a week. Credit: Three hours.

EDSP 6303. Seminar in Emotional and Behavioral Disorders. Study of adjustment and emotional problems in individuals assigned to various least restrictive environments. Research related to etiology, conceptual models, and interventions. Prerequisites: EDUC 5303 or equivalent course, and permission of instructor. Three lecture hours a week. Credit: Three hours.

EDSP 6403. Seminar in Learning Disabilities. Advanced study of physical, psychological, and environmental causes of learning disabilities, and interrelationships among the causes. Prerequisites: EDSP 5413 or equivalent course in the area, and permission of instructor. Three lecture hours a week. Credit: Three hours.

EDSP 6603. Social Constructs of Disabilities. The study of how disabilities are socially constructed. Analysis of disability constructs includes the perspectives of individuals with disabilities and the impact of literature, art, and the media. Three lecture hours a week. Credit: Three hours.

EDSP 6723. Practicum. Field placement. Type of placement will vary with student's area of major concentration and past experiences. Prerequisite: Twelve semester hours of doctoral credit and permission of instructor. Ten practicum hours a week. Credit: Three hours.

EDSP 6903. Special Topics. Organized study of a topic in special education. May be repeated. Three lecture hours a week. Credit: Three hours.

EDSP 6911. Independent Study. Individual study of special problems in special education. May be repeated. Prerequisite: Permission of instructor. Credit: Three hours.

EDSP 6913. Independent Study. Individual study of special problems in special education. Prerequisite: Permission of instructor. Credit: Three hours.

EDSP 6983. Dissertation. May be repeated for credit. Credit: Three hours.

EDSP 6993. Dissertation. May be repeated for credit. Prerequisite: EDUC 6983. Credit: Three hours.

Education Courses

EDUC 5113. Foundations of Teaching and Learning. Critical examination of the professional roles, responsibilities, and structure of national and state educational systems; legal and ethical requirements of teaching; the importance of family participation in the educational process; significance of developing partnerships with the learning community. Prerequisite: Admission to the Teacher Education Program. Three lecture hours a week. Credit: Three hours.

EDUC 5123. Learning Theory, Development, and Research. Analysis of research studies and theories of the learning process and factors that impact and create learning; instructional strategies to support the cognitive, social, physical, and emotional development of learners; effective teacher instructional design. Prerequisite or Co-requisite: EDUC 5113. Three lecture hours a week. Credit: Three hours.

EDUC 5131. Technology in Assessment and Instruction. Integrating technology in education; principles and strategies for using software and Internet resources in the design and delivery of instruction and assessment; current uses for technology in curricula activities that successfully model subject-area technology integration. Prerequisites: EDUC 5113 and EDUC 5123. Co-requisite: EDUC 5133. Option: EDUC 5131 and EDUC 5133 may be taken concurrently with EDUC 5143. One lecture hour a week. Credit: One hour.

EDUC 5133. Assessment and Instructional Design and Delivery for Diverse Learners. Design and implementation of instruction appropriate for diverse student populations that reflects an understanding of relevant content and is based on continuous and appropriate assessment; responsive instruction that makes use of effective communication techniques, instructional strategies that actively engage students in the learning process, and timely, high-quality feedback. Prerequisites: EDUC 5113 and EDUC 5123. Co-requisite: EDUC 5131. Option: EDUC 5131 and EDUC 5133 may be taken concurrently with EDUC 5143. Three lecture hours a week. Credit: Three hours.

EDUC 5143. Effective Design and Management of the Classroom Environment (EC-12). Design and management of a positive, productive classroom environment; physical and emotional environment; effective learner-centered strategies used for managing student behavior. Social, legal, and ethical issues regarding the use of technology and learning environment. Fieldwork required. Prerequisites: EDUC 5113, EDUC 5123, EDUC 5131, and EDUC 5133. Option: EDUC 5143 may be taken with EDUC 5131 and EDUC 5133. Three lecture hours a week. Credit: Three hours.

EDUC 5173. Diversity in the Classroom. Study of theoretical issues and practices that impact the education of students from diverse backgrounds or with diverse educational needs: linguistics, culture, economics. Three lecture hours a week. Credit: Three hours.

EDUC 5343. Models and Theories of Learning and Teaching. Theoretical background of learning and teaching linked to field-based experiences to expand the knowledge base and expertise of certified teachers. Three lecture hours a week. Credit: Three hours.

EDUC 5353. Adult Models of Learning and Teaching. Exploration of adult development to promote an expanded understanding of issues and practices in adult education. Focus on three core areas of concern in adult education: roots of andragogy, advances in adult learning, and practice in adult learning. Meets needs of professionals teaching or training adults in multiple contexts. Three seminar hours a week. Credit: Three hours.

EDUC 5423. Curriculum Studies. Contemporary and controversial issues in the field of curriculum including the study of the history of the field, multiple definitions of curriculum, paradigms, philosophies, and future prospects in the field. Three lecture hours a week. Credit: Three hours.

EDUC 5463. Assessment in the Classroom. Review of formal, informal, and alternative assessment; evaluation theory and strategies. Application of theory to classroom setting and development of curriculum-based approaches to assess student progress. Three lecture hours a week. Credit: Three hours.

EDUC 5903. Special Topics. Three lecture hours a week. Credit: Three hours.

EDUC 5913. Independent Study. Credit: Three hours.

EDUC 5923. Professional Practicum. Credit: Three hours.

EDUC 5926. Professional Practicum. Credit: Six hours.

EDUC 5936. Professional Internship. Credit: Six hours.

EDUC 5973. Professional Paper. May be repeated for a total of six hours credit. Prerequisite: ELDR 5203 or other approved research course. Credit: Three hours.

EDUC 5981. The Professional Portfolio. Development of a professional portfolio by students in the Master of Arts in Teaching program demonstrating the student's growth in the Learner-Centered Competencies. Pass-fail grade only. May be repeated. Credit: One hour.

EDUC 5983. Thesis. Credit: Three hours.

EDUC 5993. Thesis. Prerequisite: EDUC 5983. Credit: Three hours.

Administration Courses

ELDR 5103. Leadership in Educational Settings. Exploration of various concepts and philosophies of leadership. Examination of leadership as a philosophically-based process for achieving personal, professional, and organizational goals. Required of all majors in administration and supervision. Three lecture hours a week. Credit: Three hours.

ELDR 5113. Educational Foundations and Administrative Implications. Historical, philosophical, and cultural factors influencing education. Planning instruction and learning. Critical and higher level thinking. Modeling democratic values and implications for decision making. Three lecture hours a week. Credit: Three hours.

ELDR 5203. Research in Education. Practice of skills for prospectus development, types of research, methods, techniques, and procedures of educational empirical research; research design, research writing, analyzing research reports, development of research skills for reading professional journals. Three lecture hours a week. Credit: Three hours.

ELDR 5223. Professional Development and Supervision in Education. The scope of professional development and supervision in instructional improvement and school renewal. Three lecture hours a week. Credit: Three hours.

ELDR 5323. Administrative Processes in Schools. Business management processes including planning and administrative functions, site-based management, budget, facilities, technology, insurance, purchasing, human resources for certified and non-certified personnel, relationship of business management functions to teaching and learning environment. Three lecture hours a week. Credit: Three hours.

ELDR 5333. Curriculum Development, Assessment, and Evaluation. Major issues, problems, and trends in education; the role of educational leadership in curriculum, program development, assessment, and evaluation. Three lecture hours a week. Credit: Three hours.

ELDR 5893. Internship: Superintendent. Practical experience in the position of school district superintendent under the guidance and supervision of an active superintendent. Application of concepts and competencies in realistic situations. Minimum of eight practicum hours a week. Credit: Three hours.

ELDR 5903. Special Topics. Variable content. Credit: Three hours.

ELDR 5911. Independent Study. Individual study of specific problems. Prerequisite: Permission of instructor. Credit: One hour.

ELDR 5913. Independent Study. Individual study of specific problems. Prerequisite: Permission of instructor. Credit: Three hours.

ELDR 5973. Professional Paper. Prerequisite: ELDR 5203. Credit: Three hours.

ELDR 5983. Thesis. Prerequisite: Permission of instructor. Credit: Three hours.

ELDR 5993. Thesis. Prerequisites: ELDR 5983 and permission of instructor. Credit: Three hours.

ELDR 6113. Education Law. Introduction to education law; legal aspects of school administration, including legal rights and responsibilities of educational personnel and student personnel, law, and the curriculum. Three lecture hours a week. Credit: Three hours.

ELDR 6223. Organizational Leadership: Theory and Practice. Theory, research, and practices related to school administration; analysis of administrative behavior and the processes of decision making, school leadership, and organizational change. Three lecture hours a week. Credit: Three hours.

ELDR 6233. The Superintendency and School District Leadership. The superintendency and school district leadership in the social, economic, and political contexts that affect schooling and frameworks for identifying and analyzing problems of practice and courses of action. Three lecture hours a week. Credit: Three hours.

ELDR 6303. Administration of Teacher and Student Personnel. Analysis of the problems, characteristics, and potentialities of elementary and secondary school students, teachers, and other personnel; policies, schedules, strategies, and procedures to help students and teachers to enhance effective learning. Three lecture hours a week. Credit: Three hours.

ELDR 6403. Seminar in School Administration. A thorough review of all aspects of school administration, including contemporary issues which affect schools. Three seminar hours a week. Credit: Three hours.

ELDR 6503. School Finance. The principles and concepts of public school finance at the local, state, and federal levels, and district level support services. Three lecture hours a week. Credit: Three hours.

ELDR 6603. Politics, Policy, and Ethics. Concepts, theories, and perspectives in educational policy, politics, and ethics and implications for equity, power, and policymaking. Three lecture hours a week. Credit: Three hours.

ELDR 6613. Internship for the Principal. Application of research and understanding of the decision making processes to an ongoing elementary, middle, junior, or senior high school; supervised experiences in practical administration of a school; application of concepts and competencies learned in previous courses. Eight practicum hours a week. Credit: Three hours.

ELDR 6663. Internship in School Administration. Practical experience in a variety of school administration positions under the guidance and supervision of active central office administrators. Application of concepts and competencies in realistic situations. Eight practicum hours a week. Credit: Three hours.

ELDR 6903. Special Topics. Organized study of topic in Educational Leadership. May be repeated for credit when specific topic varies. Three lecture hours a week. Credit: Three hours.

ELDR 6911. Independent Study. Individual research relating to a problem of professional interest and significance. May be repeated. Credit: One hour.

ELDR 6913. Independent Study. Individual research relating to a problem of professional interest and significance. May be repeated. Credit: Three hours.

Faculty

Professors

ANDERSON, GINA B., Professor of Teacher Education; Interim Associate Dean of the College of Professional Education. B.S., University of Oklahoma; M.S., Oklahoma State University; Ed.D., Oklahoma State University.

COWART, MELINDA F., Professor of Teacher Education. B.S., University of Texas at Austin; M.Ed., Texas A&M-Commerce; Ed.D., Texas A&M-Commerce .

FEYTEN, CARINE M., Chancellor and President; Professor of Teacher Education. B.A., Universite' Catholique de Louvain, Belgium; M.A., Universite' Catholique de Louvain, Belgium; Ph.D., University of South Florida.

HANSEN-THOMAS, HOLLY, Professor of Teacher Education. B.A., University of Texas at Austin; M.A., University of Texas at San Antonio; Ph.D., University of Texas at San Antonio.

PEMBERTON, JANE B., Professor of Teacher Education; Chair of the Department of Teacher Education. B.S., Kansas State University; M.S., Kansas State University; Ph.D., University of New Mexico.

SANCHEZ, CLAUDIA D., Professor of Teacher Education. B.A., Escuela Normal Superior de Coahuila : Saltillo, Mexico; B.A., Universidad Autonoma de Coahuila : Saltillo, Mexico; M.S., Texas A&M University; Ph.D., Texas A&M University.

WHITWORTH, JERRY E., Professor of Teacher Education; Interim Dean of the College of Professional Education. B.A., University of Kansas; M.S., Fort Hays State University; Ed.D., University of Missouri, Columbia.

Associate Professors

DUNLAP, KAREN L., Associate Professor of Teacher Education. B.S.Ed., Stephen F. Austin State University; M.Ed., Stephen F. Austin State University; Ed.D., University of Texas, El Paso.

FREDRICKSON, REBECCA R., Associate Professor of Teacher Education. B.F.A, Stephen F. Austin State University; M.Ed., University of Texas at Tyler; Ed.D., Stephen F. Austin State University.

LERNER, BARBARA A., Associate Professor of Teacher Education; Associate Provost for Undergraduate Studies and Academic Partnerships. B.A., George Washington University; M.A., George Washington University; Ph.D, Texas Woman's University.

MALONE, PEGGY N., Associate Professor of Teacher Education. B.S., Texas A&M University-Commerce; M.Ed., Texas A&M University-Commerce; Ed.D., Baylor University.

McMAHAN, SARAH K., Associate Professor of Teacher Education. B.S., Abilene Christian University; M.Ed., Abilene Christian University; Ph.D., Texas Tech University.

MYERS, DIANE M., Associate Professor of Teacher Education. B.A., Connecticut College; M.S., Southern Connecticut State University; Ph.D., University of Connecticut.

SOURDOT, LUDOVIC, Associate Professor of Teacher Education. B.S., Arkansas State University; M.Ed., Texas State University; Ph.D., Texas A&M University .

STARRETT, TERESA M., Associate Professor of Teacher Education. B.S., University of North Texas; M.Ed., University of North Texas; Ed.D., University of North Texas.

TRUJILLO-JENKS, LAURA A., Associate Professor of Teacher Education. B.S., University of Texas at Austin; M.A., Austin Peay State University; Ph.D., University of Texas at Austin.

Assistant Professors

GOO, MINKOWAN, Assistant Professor of Teacher Education. B.A., Daegu University; M.A., Daegu University; Ph.D., University of Iowa.

KRUTKA, DANIEL G., Assistant Professor of Teacher Education. B.S., University of Oklahoma; M.Ed., University of Oklahoma; Ph.D., University of Oklahoma.

STEWART, MARY A., Assistant Professor of Teacher Education. B.A., Texas Christian University; M.Ed., Texas Christian University; Ph.D., University of North Texas.

Master of Arts in Administration

General Requirements

The M.A. degree requires completion of a minimum of 36 semester credit hours of coursework. The M.A. degree program is composed of 24 semester credit hours of coursework in educational leadership and administration, 3 semester credit hours of research methods, 6 semester credit hours of thesis, and 3 semester credit hours of internship. Further information and degree program plans of study is located on the Department of Teacher Education website (http://www.twu.edu/teacher-education/educational-leadership.asp).

Master of Arts in Administration Program of Study (36 semester credit hours)

Required Courses		
ELDR 5103	Leadership in Educational Settings	3
ELDR 5323	Administrative Processes in Schools	3
ELDR 5333	Curriculum Development, Assessment, and Evaluation	3

ELDR 6113	Education Law	3
ELDR 5223	Professional Development and Supervision in Education	3
ELDR 5113	Educational Foundations and Administrative Implications	3
ELDR 6223	Organizational Leadership: Theory and Practice	3
EDSP 5043	Legal and Administrative Issues of Special Education Programs	3
Research		
ELDR 5203	Research in Education	3
Thesis		
ELDR 5983	Thesis	3
ELDR 5993	Thesis	3
Internship		
ELDR 6613	Internship for the Principal	3
Total Semester Credit Hours		36

Master of Arts in Special Education

General Requirements

The M.A. requires 39 semester credit hours. All students must take a final examination. This examination may be oral, written or both at the option of the examining committee. See the Teacher Education/Special Education website (http://www.twu.edu/teacher-education/special-education.asp) for more information.

Master of Arts in Special Education with Diagnostic Certification Program of Study (39 semester credit hours)

Exceptionalities		
EDSP 5103	Developmental Disabilities	3
EDSP 5303	Students With Emotional/Behavioral Disorders	3
EDSP 5413	Individuals with Learning Disabilities	3
Interventions		
Choose one of the following classes		3
EDSP 5013	Collaborating for Effective Intervention	
EDSP 5423	Instructional Interventions for Students with Disabilities	
Support		
EDSP 5033	Using Assessments for Effective Interventions	3
EDSP 5043	Legal and Administrative Issues of Special Education Programs	3
Assessment		
EDSP 5833	Clinical Instruction in Psychoeducational Assessment	3
EDSP 5843	Clinical Instruction in Intellectual Assessment	3
EDSP 5853	Advanced Assessment and Evaluation of Individuals with Disabilities	3
Research		
ELDR 5203	Research in Education	3
Master's level statistics class		3
EDSP 5983	Thesis	3
EDSP 5993	Thesis	3
Total Semester Credit Hours		39

Master of Arts in Special Education: Intervention Specialist Program of Study (39 semester credit hours)

Exceptionalities		
EDSP 5103	Developmental Disabilities	3
EDSP 5303	Students With Emotional/Behavioral Disorders	3
EDSP 5413	Individuals with Learning Disabilities	3
Interventions		

Chose three of the following classes		9
EDSP 5053	Principles of Learning for Exceptional Children	
EDSP 5313	Behavior Interventions for Students with Disabilities	
EDSP 5343	Instructional Interventions: Applied Behavior Analysis	
EDSP 5353	Instructional Interventions: Learning Strategies	
EDSP 5423	Instructional Interventions for Students with Disabilities	
Support		
EDSP 5013	Collaborating for Effective Intervention	3
EDSP 5033	Using Assessments for Effective Interventions	3
EDSP 5043	Legal and Administrative Issues of Special Education Programs	3
Research		
ELDR 5203	Research in Education	3
Master's level statistics class		3
EDSP 5983	Thesis	3
EDSP 5993	Thesis	3
Total Semester Credit Hours		39

Master of Arts in Teaching, Learning, and Curriculum

General requirements

The M.A. in Teaching, Learning, and Curriculum requires 39 semester credit hours. All students must complete a final examination. See the Teacher Education website (http://www.twu.edu/teacher-education/master-tlc.asp) for more information.

Master of Arts in Teaching, Learning, and Curriculum Program of Study (39 semester credit hours)

Required Courses		9
EDUC 5173	Diversity in the Classroom	
EDUC 5423	Curriculum Studies	
EDUC 5463	Assessment in the Classroom	
Additional Required Course		
Choose one of the following courses		3
EDUC 5343	Models and Theories of Learning and Teaching	
EDUC 5353	Adult Models of Learning and Teaching	
Research		
ELDR 5203	Research in Education	3
EDUC 5983	Thesis	3
EDUC 5993	Thesis	3
Specialization Strands		
Select a minimum of 18 semester credit hours; it is recommended that 12 hours be completed from one of the following specialization strands:		18
Reading/Language Arts (EC-6)		
FS 5203	Language and Literacy in Early Childhood	
READ 5423	Literacy: Practice to Theory	
READ 5443	Literacy: Assessment and Instruction	
READ 5503	Phonological and Orthographic Language Systems in Literacy Learning	
READ 5513	Literacy and the Diverse Learner	
LS 5603	Literature for Children and Young Adults	
Reading/Language Arts (Grades 4-8)		
READ 5423	Literacy: Practice to Theory	
READ 5443	Literacy: Assessment and Instruction	
READ 5453	Processes and Strategies for Comprehending Texts	
READ 5513	Literacy and the Diverse Learner	
LS 5603	Literature for Children and Young Adults	

Mathematics (EC-6) & (Grades 4-8)		
MATH 5203	Problem Solving in the Math Classroom	
MATH 5303	Algebra in the Mathematics Classroom (Grades 4-8)	
MATH 5313	Geometry in the Mathematics Classroom (Grades 4-8)	
MATH 5333	Technology in the Math Classroom	
Technology		
FS 5283	Technology and the Young Learner	
CSCI 5653	Technology Issues, Achievements and Challenges in Education	
Bilingual Education & English as a Second Language		
EDBE 5333	Curriculum for Bilingual Education: Methods and Materials	3
EDBE 5413	Teaching Reading and Other Language Arts to Linguistically Different Learners	
EDBE 5453	English as a Second Language: Methods	
EDBE 5633	Education in Culturally Diverse Environments	
EDBE 5653	Second Language Acquisition: Theories and Practices	
EDBE 5903	Special Topics (Literacy Development for English Language Learners)	
Special Education		
EDSP 5003	Psychology and Education of Exceptional Children	
EDSP 5013	Collaborating for Effective Intervention	
EDSP 5033	Using Assessments for Effective Interventions	
EDSP 5103	Developmental Disabilities	
EDSP 5303	Students With Emotional/Behavioral Disorders	
EDSP 5313	Behavior Interventions for Students with Disabilities	
EDSP 5413	Individuals with Learning Disabilities	
Mathematics		
MATH 5423	History of Mathematics	
MATH 5483	Theory of Probability and Statistics I	
MATH 5493	Theory of Probability and Statistics II	
MATH 5513	Matrix Algebra	
MATH 5523	Introduction to Number Theory	
MATH 5543	Symbolic Logic	
MATH 5573	Statistical Methods I	
MATH 5583	Statistical Methods II	
Educational Leadership		
ELDR 5103	Leadership in Educational Settings	
ELDR 5223	Professional Development and Supervision in Education	
ELDR 5323	Administrative Processes in Schools	
ELDR 5333	Curriculum Development, Assessment, and Evaluation	
Government		
GOV 5003	Comparative Politics	
GOV 5013	American National Defense Policy	
GOV 5053	The Presidency and Public Policy	
GOV 5063	Political Women	
GOV 5073	Issues in Constitutional Law	
GOV 5133	Leadership and Women	
GOV 5303	Problems in the Legislative Process	
GOV 5523	American International Relations	
GOV 5723	Seminar in Political Theory	
GOV 5833	Seminar in Government	
GOV 5903	Special Topics	
History		
HIST 5003	Studies in 19th Century U.S	
HIST 5083	Studies in 20th Century America	

HIST 5903	Special Topics
Science	
BIOL 5123	Biostatistics
BIOL 5293	Advanced Scientific Communication
BIOL 5613	Readings in Biology
BIOL 5681	Seminar
BIOL 5033	Advanced Science in the Secondary Classroom
CHEM 5613	Advanced Biochemistry I
CHEM 5623	Advanced Biochemistry II
ZOOL 5423	Endocrinology
BIOL 5913	Independent Study (Virology)
BIOL 5913	Independent Study (Immunology)
BIOL 5913	Independent Study (Evolution)
BIOL 5913	Independent Study (Botany)
BIOL 5913	Independent Study (Ecology)
BIOL 5913	Independent Study (Scanning Electron Microscopy)
Art Education	
ART 5313	Foundations of Art Learning and Practice
ART 5323	Contemporary Issues in Art Learning and Practice
ART 5333	Individual Differences in Art Learning and Practice
ART 5343	Cognition, Art Learning, and Advocacy
ART 5353	Curriculum in Art Learning and Practice
ART 5903	Special Topics
English	
ENG 5083	Bibliography and Research Methods
ENG 5353	Rhetoric and Composition: Theory and Pedagogy of Electronic Texts
Total Semester Credit Hours	42

Master of Education in Administration

General Requirements

The M.Ed. degree requires completion of a minimum of 36 semester credit hours of coursework. The M.Ed. degree program is composed of 24 semester credit hours of coursework in educational leadership and administration, 3 semester credit hours of research methods, 3 semester credit hours of professional paper or applied research project, 3 semester credit hours of internship, and 3 semester credit hours of advisor approved electives.

Further information and degree program plans of study is located on the Department of Teacher Education website (http://www.twu.edu/teacher-education/special-education.asp).

Master of Education in Administration Program of Study (36 semester credit hours)

Required Courses		
EDSP 5043	Legal and Administrative Issues of Special Education Programs	3
ELDR 5103	Leadership in Educational Settings	3
ELDR 5113	Educational Foundations and Administrative Implications	3
ELDR 5223	Professional Development and Supervision in Education	3
ELDR 5323	Administrative Processes in Schools	3
ELDR 5333	Curriculum Development, Assessment, and Evaluation	3
ELDR 6113	Education Law	3
ELDR 6223	Organizational Leadership: Theory and Practice	3
Research		
ELDR 5203	Research in Education	3
Professional Paper		
ELDR 5973	Professional Paper	3
Internship		
ELDR 6613	Internship for the Principal	3

Elective		
Elective - with approval from faculty advisor		3
Total Semester Credit Hours		36

Master of Education in Special Education

General Requirements

The M.Ed. requires a minimum of 36 semester credit hours: See the Special Education website (http://www.twu.edu/teacher-education/special-education.asp) for more information.

Master of Education in Special Education (with Diagnostic Certification) Program of Study (36 semester credit hours)

Exceptionalities		
EDSP 5103	Developmental Disabilities	3
EDSP 5303	Students With Emotional/Behavioral Disorders	3
EDSP 5413	Individuals with Learning Disabilities	3
Interventions		
EDSP 5053	Principles of Learning for Exceptional Children	3
EDSP 5423	Instructional Interventions for Students with Disabilities	3
Support		
EDSP 5033	Using Assessments for Effective Interventions	3
EDSP 5043	Legal and Administrative Issues of Special Education Programs	3
Assessment		
EDSP 5833	Clinical Instruction in Psychoeducational Assessment	3
EDSP 5843	Clinical Instruction in Intellectual Assessment	3
EDSP 5853	Advanced Assessment and Evaluation of Individuals with Disabilities	3
Research		
ELDR 5203	Research in Education	3
EDSP 5973	Professional Paper	3
Total Semester Credit Hours		36

Master of Education in Special Education: Intervention Specialist Program of Study (36 semester credit hours)

Exceptionalities		
EDSP 5103	Developmental Disabilities	3
EDSP 5303	Students With Emotional/Behavioral Disorders	3
EDSP 5413	Individuals with Learning Disabilities	3
Interventions		
Select 12 semester credit hours from the following:		12
EDSP 5053	Principles of Learning for Exceptional Children	
EDSP 5313	Behavior Interventions for Students with Disabilities	
EDSP 5353	Instructional Interventions: Learning Strategies	
EDSP 5343	Instructional Interventions: Applied Behavior Analysis	
EDSP 5423	Instructional Interventions for Students with Disabilities	
Support		
Select nine semester credit hours from the following:		9
EDSP 5013	Collaborating for Effective Intervention	
EDSP 5033	Using Assessments for Effective Interventions	
EDSP 5043	Legal and Administrative Issues of Special Education Programs	
Research		
ELDR 5203	Research in Education	3

EDSP 5973	Professional Paper	3
Total Semester Credit Hours		36

Master of Education in Teaching, Learning, and Curriculum

General requirements

The M.Ed. requires 36 semester credit hours. All students must complete an oral final examination. See the Teacher Education website (http://www.twu.edu/teacher-education/master-tlc.asp) for more information.

Master of Education in Teaching, Learning, and Curriculum Program of Study (36 semester credit hours)

Core Courses		
EDUC 5173	Diversity in the Classroom	3
EDUC 5463	Assessment in the Classroom	3
EDUC 5423	Curriculum Studies	3
Additional Required Course		
Choose three hours from one of the following:		3
EDUC 5343	Models and Theories of Learning and Teaching	
EDUC 5353	Adult Models of Learning and Teaching	
Research		
ELDR 5203	Research in Education	3
EDUC 5973	Professional Paper	3
Specialization Strands		
Select a minimum of 18 semester credit hours in each strand from the following:		18
Reading/Language Arts (EC-6)		
FS 5203	Language and Literacy in Early Childhood	
READ 5423	Literacy: Practice to Theory	
READ 5443	Literacy: Assessment and Instruction	
READ 5503	Phonological and Orthographic Language Systems in Literacy Learning	
READ 5513	Literacy and the Diverse Learner	
LS 5603	Literature for Children and Young Adults	
Reading/Language Arts (Grades 4-8)		
READ 5423	Literacy: Practice to Theory	
READ 5443	Literacy: Assessment and Instruction	
READ 5453	Processes and Strategies for Comprehending Texts	
READ 5513	Literacy and the Diverse Learner	
LS 5603	Literature for Children and Young Adults	
Mathematics (EC-6) & (Grades 4-8)		
MATH 5203	Problem Solving in the Math Classroom	
MATH 5303	Algebra in the Mathematics Classroom (Grades 4-8)	
MATH 5313	Geometry in the Mathematics Classroom (Grades 4-8)	
MATH 5333	Technology in the Math Classroom	
Technology		
FS 5283	Technology and the Young Learner	
CSCI 5653	Technology Issues, Achievements and Challenges in Education	
Bilingual Education & English as a Second Language		
EDBE 5333	Curriculum for Bilingual Education: Methods and Materials	3
EDBE 5413	Teaching Reading and Other Language Arts to Linguistically Different Learners	
EDBE 5453	English as a Second Language: Methods	
EDBE 5633	Education in Culturally Diverse Environments	
EDBE 5653	Second Language Acquisition: Theories and Practices	
EDBE 5903	Special Topics (Literacy Development for English Language Learners)	

Special Education	
EDSP 5003	Psychology and Education of Exceptional Children
EDSP 5013	Collaborating for Effective Intervention
EDSP 5033	Using Assessments for Effective Interventions
EDSP 5103	Developmental Disabilities
EDSP 5303	Students With Emotional/Behavioral Disorders
EDSP 5313	Behavior Interventions for Students with Disabilities
EDSP 5413	Individuals with Learning Disabilities
Mathematics	
MATH 5423	History of Mathematics
MATH 5483	Theory of Probability and Statistics I
MATH 5493	Theory of Probability and Statistics II
MATH 5513	Matrix Algebra
MATH 5523	Introduction to Number Theory
MATH 5543	Symbolic Logic
MATH 5573	Statistical Methods I
MATH 5583	Statistical Methods II
Educational Leadership	
ELDR 5103	Leadership in Educational Settings
ELDR 5223	Professional Development and Supervision in Education
ELDR 5323	Administrative Processes in Schools
ELDR 5333	Curriculum Development, Assessment, and Evaluation
Government	
GOV 5003	Comparative Politics
GOV 5013	American National Defense Policy
GOV 5053	The Presidency and Public Policy
GOV 5063	Political Women
GOV 5073	Issues in Constitutional Law
GOV 5133	Leadership and Women
GOV 5303	Problems in the Legislative Process
GOV 5523	American International Relations
GOV 5723	Seminar in Political Theory
GOV 5833	Seminar in Government
GOV 5903	Special Topics
History	
HIST 5003	Studies in 19th Century U.S
HIST 5083	Studies in 20th Century America
HIST 5903	Special Topics
Science	
BIOL 5123	Biostatistics
BIOL 5293	Advanced Scientific Communication
BIOL 5613	Readings in Biology
BIOL 5681	Seminar
BIOL 5033	Advanced Science in the Secondary Classroom
CHEM 5613	Advanced Biochemistry I
CHEM 5623	Advanced Biochemistry II
ZOOL 5423	Endocrinology
BIOL 5913	Independent Study (Virology)
BIOL 5913	Independent Study (Immunology)
BIOL 5913	Independent Study (Evolution)
BIOL 5913	Independent Study (Botany)
BIOL 5913	Independent Study (Ecology)

BIOL 5913	Independent Study (Scanning Electron Microscopy)
Art Education	
ART 5313	Foundations of Art Learning and Practice
ART 5323	Contemporary Issues in Art Learning and Practice
ART 5333	Individual Differences in Art Learning and Practice
ART 5343	Cognition, Art Learning, and Advocacy
ART 5353	Curriculum in Art Learning and Practice
ART 5903	Special Topics
English	
ENG 5083	Bibliography and Research Methods
ENG 5353	Rhetoric and Composition: Theory and Pedagogy of Electronic Texts
Total Semester Credit Hours	39

Doctor of Philosophy in Special Education

The Ph.D. in Special Education is offered as a cooperative program between Texas Woman's University, the University of North Texas, and Texas A&M Commerce under guidelines established by the Federation of North Texas Area Universities (http://www.twu.edu/federation). The program enables students to utilize the combined faculty, library, computer facilities and research opportunities available at all three universities in the development of their doctoral studies.

The federation doctoral program provides opportunities for formal course work, seminars, independent study, participation in regional and national conferences, and dissertation research. The program also includes federation-sponsored seminars featuring outstanding nationally and internationally recognized educators.

Given the importance of appropriate educational experiences during the early years for both the individual and the society at large, graduate programs are needed that provide education for future leaders in the conceptualization and provision of special education programs as well as expertise in conducting research that will extend understanding of the importance and means of providing special education experiences. The purpose of the federated doctoral program in special education is to prepare professional educators to assume leadership roles in higher education and EC-12 educational settings. Graduates are prepared to assume diverse roles including teaching, research and administrative responsibilities.

Students initially apply for admission to the graduate school of one of the participating universities. Admission is based on a holistic evaluation of a variety of factors. Refer to the Special Education website (http://www.twu.edu/teacher-education/special-education.asp) for details.

General Requirements for Doctoral Degree

Total Semester Credit Hours Required

A minimum of 90 semester credit hours beyond baccalaureate, including 6-12 semester credit hours for dissertation.

Major/Emphasis

Requirements will depend upon individual student's needs.

Research Tools

For the Ph.D., computer language, or reading knowledge of one foreign language and advanced proficiency in statistics and research methodology.

Residence Requirement

Two semesters of mentorship under a TWU Special Education faculty member replaces the residency requirement.

Qualifying Examination

A comprehensive written examination encompassing knowledge common to the doctoral degree program is required. Sections which are failed may be retaken one time after six months.

Final Examination

Oral and/or written examination covering knowledge of course work and defense of dissertation. May be taken two times only.

Courses of Instruction in Special Education with Federation Universities

Students wishing to enroll in Federation courses will do so through a cross-registration mechanism administered by the TWU Graduate School and their major advisor's approval.

Doctor of Philosophy in Special Education Program of Study (90 semester credit hours)

Required Courses		
EDSP 6103	Social, Psychological, and Educational Aspects of Intellectual and Development Disabilities	3
EDSP 6303	Seminar in Emotional and Behavioral Disorders	3
EDSP 6403	Seminar in Learning Disabilities	3
EDSP 6603	Social Constructs of Disabilities	3
Research		12-21
Suggested or related classes:		
CSCI 5793	Statistical Computer Packages	
READ 6483	Qualitative Research	
(Additional research required per degree plan).		
Mentorship		6
6 semester credit hours		
Dissertation		6-12
6 - 12 semester credit hours from the following:		
EDSP 6983	Dissertation	
EDSP 6993	Dissertation	
Major and Minor area courses to be determined based upon student's degree program		
Bilingual Education		
EDBE 5413	Teaching Reading and Other Language Arts to Linguistically Different Learners	
EDBE 5453	English as a Second Language: Methods	
EDBE 5633	Education in Culturally Diverse Environments	
EDBE 5653	Second Language Acquisition: Theories and Practices	
Educational Administration		
ELDR 5103	Leadership in Educational Settings	
ELDR 5113	Educational Foundations and Administrative Implications	
ELDR 5223	Professional Development and Supervision in Education	
ELDR 5323	Administrative Processes in Schools	
ELDR 5333	Curriculum Development, Assessment, and Evaluation	
Professional Studies		
EDUC 5343	Models and Theories of Learning and Teaching	
EDUC 5353	Adult Models of Learning and Teaching	
Family Studies		
FS 5123	Theories of the Family	
FS 5153	Family Changes and Diversity	
FS 5663	Leadership and Staff Development in Family Sciences Programs	
FS 5823	Families and Public Policy	

Post-Baccalaureate Certificate in Leadership in Education and Sport

In collaboration with the Department of Kinesiology and Educational Administration, students may earn a graduate certificate in Leadership in Education and Sport. Upon completion of the certificate, the candidate may apply, with adviser approval, the semester credit hours toward a master's degree.

Post-Baccalaureate Certificate in Leadership in Education and Sport Program of Study (18 semester credit hours)

Code	Title	Semester Credit Hours
Required Courses		
ELDR 5103	Leadership in Educational Settings	3
KINS 5453	Financing the Sport Enterprise	3

ELDR 5323	Administrative Processes in Schools	3
KINS 5473	Sport Media and Stakeholder Relations	3
ELDR 6113	Education Law	3
KINS 5483	Sport Sales, Sponsorship, and Fundraising	3
Total Semester Credit Hours		18

Certification coursework may be used as a minor area of emphasis for candidates in the Doctor of Philosophy (Ph.D.) in Special Education program and other TWU academic programs, with program approval.

Post-Master's Certificate of Advanced Study - Bilingual Educational Diagnostician

(The number of semester credit hours will vary with respect to applicant's experience and academic preparation)

Exceptionalities		
EDSP 5103	Developmental Disabilities	3
EDSP 5303	Students With Emotional/Behavioral Disorders	3
EDSP 5413	Individuals with Learning Disabilities	3
Support		
EDSP 5033	Using Assessments for Effective Interventions	3
EDSP 5043	Legal and Administrative Issues of Special Education Programs	3
EDSP 5053	Principles of Learning for Exceptional Children	3
Bilingual Support		
EDBE 5413	Teaching Reading and Other Language Arts to Linguistically Different Learners	3
EDBE 5453	English as a Second Language: Methods	3
EDBE 5633	Education in Culturally Diverse Environments	3
EDBE 5653	Second Language Acquisition: Theories and Practices	3
Assessment		
Restricted - These courses can only be taken by permission of faculty advisor when officially admitted into the TWU Diagnostician's program		
EDSP 5833	Clinical Instruction in Psychoeducational Assessment	3
EDSP 5843	Clinical Instruction in Intellectual Assessment	3
EDSP 5853	Advanced Assessment and Evaluation of Individuals with Disabilities	3

Post-Master's Certificate of Advanced Study - Educational Diagnostician

(The number of semester credit hours will vary with respect to applicant's experience and academic preparation)

Exceptionalities		
EDSP 5103	Developmental Disabilities	3
EDSP 5303	Students With Emotional/Behavioral Disorders	3
EDSP 5413	Individuals with Learning Disabilities	3
Interventions		
Select three hours from the following courses:		3
EDSP 5013	Collaborating for Effective Intervention	
EDSP 5423	Instructional Interventions for Students with Disabilities	
Support		
EDSP 5033	Using Assessments for Effective Interventions	3
EDSP 5043	Legal and Administrative Issues of Special Education Programs	3
EDSP 5053	Principles of Learning for Exceptional Children	3
Assessment		
Restricted - These courses can only be taken by permission of faculty adviser and officially admitted into the TWU Diagnostician's program		
EDSP 5833	Clinical Instruction in Psychoeducational Assessment	3
EDSP 5843	Clinical Instruction in Intellectual Assessment	3

EDSP 5853	Advanced Assessment and Evaluation of Individuals with Disabilities	3

Post-Master's Certificate of Advanced Study - Principal

The Department of Teacher Education and the Educational Administration Program offer coursework leading to recommendation for Texas Principal Certification. To obtain a recommendation for certification through Texas Woman's University, an individual must have a master's degree (preferably in education or an education-related field), a valid Texas teaching certificate, three years of teaching experience, and completion of coursework on a plan of study leading to certification. After being admitted to the Graduate School and the Educational Administration Program, the certification candidate must meet with his or her faculty advisor to complete a plan of study. The number of semester credit hours required and specific coursework varies with respect to applicants' academic preparation and experience. Further information about certification program plans of study, requirements for the TExES examination and recommendation for Probationary Certification can be located on the Department of Teacher Education website (http://www.twu.edu/teacher-education/educational-leadership.asp).

Post-master's Certificate of Advanced Study - Principal Program of Study (24 semester credit hours)

Required Courses		
ELDR 5103	Leadership in Educational Settings	3
ELDR 5323	Administrative Processes in Schools	3
ELDR 5333	Curriculum Development, Assessment, and Evaluation	3
ELDR 6113	Education Law	3
ELDR 5223	Professional Development and Supervision in Education	3
ELDR 6223	Organizational Leadership: Theory and Practice	3
EDSP 5043	Legal and Administrative Issues of Special Education Programs	3
Internship		
ELDR 6613	Internship for the Principal	3
Total Semester Credit Hours		24

Post-Master's Certificate of Advanced Study - Superintendent

The Department of Teacher Education and the Educational Administration Program offers coursework leading to recommendation for Texas Superintendent Certification. To obtain a recommendation for certification through Texas Woman's University, an individual must have a master's degree (preferably in education or an education-related field), a valid Texas teaching certificate, a valid Texas Principal or Mid-management Administrator certificate, three years of teaching experience (preferred) and school-site or school district leadership experience, and completion of coursework on the plan of study. After being admitted to the Graduate School and the Educational Administration Program, the certification candidate must meet with his or her faculty advisor to complete a plan of study. The number of semester credit hours required and specific coursework varies with respect to applicants' academic preparation and experience. Further information about certification program plans of study, requirements for the TExES examination and recommendation for certification can be located through the Department of Teacher Education (http://www.twu.edu/teacher-education).

Post-master's Certificate of Advanced Study - Superintendent Program of Study (18 semester credit hours)

Required Courses		
ELDR 6233	The Superintendency and School District Leadership	3
ELDR 6303	Administration of Teacher and Student Personnel	3
ELDR 6403	Seminar in School Administration	3
ELDR 6503	School Finance	3
ELDR 6603	Politics, Policy, and Ethics	3
ELDR 6663	Internship in School Administration	3
Total Semester Credit Hours		18

School of Library and Information Studies

Web Site: http://www.twu.edu/slis/

Director: *Ling Hwey Jeng, Professor*
Location: *SH 404*
Phone: *940-898-2602*
Fax: *940-898-2611*
E-mail: *slis@twu.edu*

Graduate Degrees Offered

- Master of Library Science (M.L.S.) (p. 241)
- M.A. in Library Science (p. 241)
- Dual Program: M.L.S. and M.S. in Health Studies (p. 242)

Texas Woman's University School of Library and Information Studies educates professionals to become leaders in evidence-based practice and research in the field of library and information services; inspires intellectual curiosity, innovation, scholarship, and research to expand knowledge in library and information studies; and develops leaders who promote exceptional services in libraries and diverse communities.

The School of Library and Information Studies prepares students for professional and leadership roles in library and information services who:

1. Cultivate professional competencies that reflect an appropriate balance between theory and practice.
2. Develop and advocate for exceptional services within diverse communities.
3. Use technological advances to meet the changing information needs of a knowledge society.
4. Contribute to library and information services.
5. Understand the dynamic role of librarianship as a profession and the changing roles of libraries as agencies.

The programs of study leading to the degrees of Master of Library Science and Master of Arts in Library Science are accredited by the American Library Association. The master's degree programs are designed to prepare information professionals who will:

1. Apply professional competencies in acquiring, organizing, delivering, and preserving information and knowledge;
2. Demonstrate evidence-based practice in professional decision-making;
3. Plan for community-embedded services to meet the needs of diverse constituencies;
4. Apply technologies to meet information needs in a variety of contexts;
5. Disseminate professional knowledge through venues such as teaching, research, publication, and service activities;
6. Plan for continuous, career-long professional development.

The School is located in Stoddard Hall, a beautiful building which includes multi-purpose seminar rooms, offices, laboratories, and lounges which provide meeting space for faculty and students.

M.S. in Informatics

Informatics is the study and application of information science, computer science, cognitive science, and organizational science to the arts, sciences, and professions. The Master of Science program in Informatics at TWU provides students with a flexible, adaptable, interprofessional, and interdisciplinary approach to the study of Informatics in a hybrid learning environment. The program will provide students with the skills needed for success in high-demand professions and careers in the areas of Clinical Informatics, Data Science, Data Analytics, Health Studies, and Community Informatics. The program is delivered collaboratively by Academic Components including Computer Science, Nursing, Health Studies, and Library and Information Studies.

Admissions

Admission Requirements

Applicants to all programs in the School of Library and Information Studies must:

1. Apply to the TWU Graduate School (http://www.twu.edu/admissions/graduate).

- No standard test score is required if your undergraduate GPA is 3.0 or above, or if you have another graduate degree.
- If your undergraduate GPA is below 3.0, you are required to submit an official standardized test score as part of the application to the Graduate School. Official test scores are accepted from the GRE, LSAT, MCAT, or Miller Analogies Test (MAT).

2. Apply to SLIS. Only complete application packets will be considered. Applicants are responsible for keeping their contact information current. Submit the following materials, in a single, complete mailing, to TWU SLIS, PO Box 425438, Denton, TX 76204-5438.

- A SLIS application form (http://www.twu.edu/downloads/library-science/masters-admission-application.pdf) [fillable PDF form]
- A resume
- 3 letters of recommendation
- A 2-page statement of intent (your professional goals and career interests)

Note: Those applying to the Dual Degree program (M.L.S. and M.S. in Health Studies) must also apply to the Department of Health Studies (http://www.twu.edu/health-studies). The Department of Health Studies requires the submission of GRE test scores.

Certificates

Certificates in Library and Information Studies

- Post-Master's Certificate in Evidence-Based Health Science Librarianship (p. 243)
- Post-Master's Certificate in School Librarianship (p. 244)
- Post-Baccalaureate Certificate in Interprofessional Informatics (p. 347) (offered through the College of Nursing)

Minors

Minors Offered to Students from Other Departments

The requirements for a minor in Library Science on the graduate level vary according to the student's degree program and are subject to agreement between the student's advisory committee and the appropriate faculty member(s) in the School of Library and Information Studies.

- Master's level: A minor is commonly defined as six to twelve semester credit hours.
- Doctoral level: Twelve to eighteen semester credit hours is common.

Courses

LS 5003. Collection Development. Introduction to collection development, evaluation, selection criteria, and tools. Discussion of community analysis, censorship, library standards, and the publishing industry. Three lecture hours a week. Credit: Three hours.

LS 5013. Information Organization and Retrieval. Organization of information and the tools used to represent and provide access to information in libraries and information agencies; cataloging, classification, subject analysis, indexing, metadata, and retrieval strategies. Three lecture hours a week. Credit: Three hours.

LS 5023. Information Organization. Introduction to the organization of information and the tools used to represent and provide access to information in libraries and information agencies. Three lecture hours a week. Credit: Three hours.

LS 5043. Information and Communication Technology. Concept and management of information technology related to library and information work; databases, networking, web technologies, and social and ethical aspects of information and communication technology applied to libraries and information agencies. Three lecture hours a week. Credit: Three hours.

LS 5053. Information Retrieval. Introduction to online retrieval of information, information retrieval theories and models, and evaluation of information retrieval systems used to retrieve and provide access to information in libraries and information agencies. Three lecture hours a week. Credit: Three hours.

LS 5083. Foundations of Library and Information Studies. Purposes, challenges, and principles of library and information studies; its organization and operations as a profession. Three lecture hours a week. Credit: Three hours.

LS 5103. Cataloging and Classification. Theories, standards, and practices of library cataloging and classification; practice in descriptive and subject cataloging of library materials; use of online cataloging tools and databases. Three lecture hours a week. Credit: Three hours.

LS 5133. Indexing and Abstracting. Theory and techniques of indexing journal literature, books, and newspapers; database production; survey of commercially available products; theory and techniques of preparation of abstracts, annotations, and other condensed versions of documents. Three lecture hours a week. Credit: Three hours.

LS 5213. Information Sources in Business. Study of literature, information sources and services, and bibliographical aids in various fields of business such as marketing, advertising, finance, banking, management, accounting, insurance, and corporate statistics; consideration of business library operations. Three lecture hours a week. Credit: Three hours.

LS 5233. Multimedia Resources and Services. Existing and emerging multimedia information technologies with emphasis on the design, production, and organization of multimedia resources for K-12 settings: classrooms, libraries, media centers, and network-accessible information sites. Three lecture hours a week. Credit: Three hours.

LS 5263. Information Sources and Services. Survey of print and electronic reference tools; terminology, techniques, and concepts of modern reference service; question-negotiation and formulation of effective search strategies; evaluation of information sources and services. Three lecture hours a week. Credit: Three hours.

LS 5303. The Public Library. Background of modern American public library; organization and administration; philosophy; services for types of patrons with special needs; performance measures; regional and state development; federal and state aid programs; current trends. Three lecture hours a week. Credit: Three hours.

LS 5313. The College and University Library. Administrative principles and practices as applied to college and university libraries; standards, services, materials, personnel, budget, quarters, reports, and statistics. Three lecture hours a week. Credit: Three hours.

LS 5323. The Special Library. History and theory of special library management; organization; management of special materials; relationship of librarian to staff, clientele, and upper management; standards of special librarianship. Three lecture hours a week. Credit: Three hours.

LS 5333. School Library Media Center. Philosophy, management and planning of resources, personnel, programs, and facilities; budgeting; collection building; instructional design; services to students and teachers; program evaluation; public relations. Three lecture hours a week. Credit: Three hours.

LS 5343. Youth Programs. History, philosophy, and objectives of library service to youth; organization and administration; emphasis on programming and service with special attention to multicultural needs of today's youth; techniques of booktalking and storytelling. Three lecture hours a week. Credit: Three hours.

LS 5363. Health Sciences Information Services Management. History and development of current healthcare environment; focus on the emergence of evidence-based practices as ongoing drivers for change in health sciences library professional practices and services. Prerequisite: LS 5553 for non-Library Science majors. Three lecture hours a week. Credit: Three hours.

LS 5383. Library Management. Administrative theory, organizational planning, leadership styles, decision-making, problem solving, and other aspects of the management process applied to libraries. Three lecture hours a week. Credit: Three hours.

LS 5403. Library Technology Systems. Planning, selection, migration, implementation, and assessment of library-related issues and trends involving library systems, including software, hardware, metadata, library and technology industry standards and trends. Three lecture hours a week. Credit: Three hours.

LS 5413. Systems Analysis and Design for Libraries. Systems concepts: analysis of libraries as systems; systems analysis tools; functional models; information flow models; project and process management models. Three lecture hours a week. Credit: Three hours.

LS 5443. Librarians as Instructional Partners. Learning and libraries; the role of the librarian and resource-based learning within the curriculum; the librarian as a teaching partner, team member, and instructional consultant. Learning theory and educational issues as they apply to cooperative planning and implementation of projects designed to improve information literacy and scholastic achievement. Prerequisite: LS 5333. Three lecture hours a week. Credit: Three hours.

LS 5473. Health Reference Services and Resources. Survey of health care reference resources, techniques, and services. Emphasis on evidence-based practice in research, retrieval, and evaluation of quality health information in support of patient care. Topics include reference service practices, information seeking behaviors of healthcare professions, education and training for use of health information resources, and emergent trends and issues in health reference services. Prerequisite: LS 5553 for non-Library Science majors. Three seminar hours a week. Credit: Three hours.

LS 5483. Consumer Health Information Resources. History and development of consumer health and patient education information. Selection and evaluation of evidence-based consumer health information. Professional associations, certification, awareness, and continuing education related to consumer and patient education services. Three lecture hours a week. Credit: Three hours.

LS 5493. Information Sources and Services in Humanities and Social Sciences. Survey of print and electronic tools and services in the humanities and the social sciences; terminology, techniques, information needs, and seeking behavior of researchers, practitioners, and general public. Three lecture hours a week. Credit: Three hours.

LS 5513. Online Information Retrieval. Online retrieval of information, organization of search systems, search strategies, search aids, search evaluation, and evaluation of information retrieval systems used to retrieve and provide access to information in libraries and information agencies. Three lecture hours a week. Credit: Three hours.

LS 5523. Multicultural Librarianship. Identification and selection of materials appropriate for diverse cultures; services and programs in school and public libraries. Three lecture hours a week. Credit: Three hours.

LS 5533. Internet Research for Non-Library Science Majors. Internet information research including file structures, web browsers, and online communication. Current Internet trends, issues, practices, and standardization; tools for research and evaluation of online resources. It is strongly advised that students take this course in preparation for LS 5553. (Not available for M.L.S. or M.A. in Library Science degree credit.) Three lecture hours a week. Credit: Three hours.

LS 5553. Electronic Information Retrieval for Non-Library Science Majors. Basic concepts, principles, and techniques associated with accessing, identifying, and using information on the Internet and in online research databases. Requires basic computer and Internet skills, and file management. Prerequisite: LS 5533 or equivalent. (Not available for M.L.S. or M.A. in Library Science degree credit.) Three lecture hours a week. Credit: Three hours.

LS 5573. Web Development for the Information Professions. Techniques, concepts, and principles and techniques associated with learning (X)HTML and CSS coding for user-friendly website development. Identifying, using, and evaluating Internet information resources. Learning the history of the Internet. Understanding current Internet issues and trends. Three lecture hours a week. Credit: Three hours.

LS 5603. Literature for Children and Young Adults. Survey of literature and reference materials for children and young adults. Emphasis on reading interests, professional evaluation, educational uses, and readers' advisory. Three lecture hours a week. Credit: Three hours.

LS 5623. Advanced Literature for Young Adults. Selection and evaluation of literature meeting interests, needs, and abilities of young adults in a contemporary, pluralistic society; techniques of reading guidance; emphasis on current issues; individual study project required. Prerequisite: LS 5603. Three lecture hours a week. Credit: Three hours.

LS 5633. Art of Storytelling. Examination of folk literature of world cultures as a source of materials for storytelling; storytelling techniques including selection of materials, preparation, and presentation; planning story hours and other folk literature based programs. Three lecture hours a week. Credit: Three hours.

LS 5643. Literacy Programs in Libraries. Role of libraries in promoting literacy. Particular emphasis upon public library family literacy programs, the emergent literacy process, government programs, workplace literacy, ESL literacy programs, and cultural literacy. Planning and proposal development for literacy programs, including needs assessment, goal setting, and evaluative methods. Three lecture hours a week. Credit: Three hours.

LS 5653. Multicultural Literature for Children and Young Adults. Literature for children and young adults which reflects the culture and experiences of African Americans, Asian Americans, Hispanic/Latino Americans, and Native Americans; selection guidelines, evaluation of literary quality, cultural authenticity, and educational uses. Prerequisite: LS 5603. Three lecture hours a week. Credit: Three hours.

LS 5663. Poetry for Children and Young Adults. Major poets, titles, and anthologies of contemporary poetry published for children and young adults; reading and responding to poetry for young people; sharing poetry with children; understanding poetic forms and formats, incorporating multicultural poetry, making curricular connections, and fostering children's responses to poetry. Prerequisite: LS 5603. Three lecture hours a week. Credit: Three hours.

LS 5723. Advanced Cataloging and Classification. Advanced theory and practice in library cataloging and classification in a wide variety of formats and subjects; study of current trends and issues. Prerequisite: LS 5103 or equivalent. Three lecture hours a week. Credit: Three hours.

LS 5753. Research Methods. Methods and techniques of research applicable to problems in library and information studies. Three lecture hours a week. Credit: Three hours.

LS 5823. Library Marketing and Advocacy. Customer service, publicity, use of technology for publicity, public relations, networking, professionalism, and other aspects of marketing and advocacy applied to public, school, academic, and special libraries. Three lecture hours a week. Credit: Three hours.

LS 5833. Information Ethics. History of ethics and ethical issues librarians will encounter as information professionals; framework in which to analyze ethical concerns. Three lecture hours a week. Credit: Three hours.

LS 5843. Practicum. Professionally supervised work experience in approved school, public, academic, or special libraries. One-hundred and twenty hours of work experience; students seeking School Librarian Certification admitted to MLS program complete one-hundred and sixty hours of work experience. Eight practicum hours a week. Credit: Three hours.

LS 5901. Special Topics. An organized class for the study of a particular area or subject not offered in another scheduled course. May be repeated for credit when the specific topic of investigation varies. One lecture hour a week. Credit: One hour.

LS 5903. Special Topics. Investigation under faculty direction of special topics of particular interest to the individual student. May be repeated for credit when the specific topic of investigation varies. Three lecture hours a week. Credit: Three hours.

LS 5911. Independent Study. Individual study of topics in librarianship, research, or information science selected in accordance with student's interests and needs. Prerequisite: Permission of instructor. Credit: One hour.

LS 5913. Independent Study. Individual study of topics in librarianship, research, or information science selected in accordance with student's interests and needs. Prerequisite: Permission of instructor. Credit: Three hours.

LS 5923. Capstone in Informatics. Culminating organization and/or community-based interdisciplinary/interprofessional project supported through informatics and technology and applied to a specific domain to demonstrate knowledge and skills acquired in the informatics program. Immersive, investigative, and reflective opportunity for deep study on a selected area of practice/application domain. Prerequisite: Completion of 24 semester credit hours. Three seminar hours a week. Credit: Three hours.

LS 5953. Cooperative Education. Credit: Three hours.

LS 5983. Thesis. Credit: Three hours.

LS 5993. Thesis. Prerequisite: LS 5983. Credit: Three hours.

LS 6903. Special Topics. Investigation of topics or problems in librarianship by advanced graduate students under the direction of a professor. May be repeated for credit when the specific topic varies. Three lecture hours a week. Credit: Three hours.

LS 6911. Independent Study. Individual study of topics in librarianship, research, or information sciences selected in accordance with student's interests and needs. Prerequisite: Permission of instructor. Credit: One hour.

LS 6913. Independent Study. Independent reading and research by advanced graduate student. Prerequisite: Permission of instructor. Credit: Three hours.

LS 6983. Dissertation. May be repeated for an additional three hours of credit. Prerequisite: Permission of major professor. Restricted to doctoral students. Credit: Three hours.

LS 6993. Dissertation. May be repeated for an additional three hours of credit. Prerequisite: Permission of major professor. Restricted to doctoral students. Credit: Three hours.

Faculty

Professors

JENG, LING HWEY, Professor of Library and Information Studies; Director of the School of Library and Information Studies. B.A., National Taiwan University; M.L.I.S., University of Texas at Austin; Ph.D., University of Texas at Austin.

VARDELL, SYLVIA M., Professor of Library and Information Studies. B.S., University of Texas : Austin; Ph.D., University of Minnesota : Twin Cities.

Associate Professors

AKIN, LYNN K., Associate Professor of Library and Information Studies. B.A., Trenton State College; M.L.S., Texas Woman's University; Ph.D., Texas Woman's University.

HOFFMAN, GRETCHEN L., Associate Professor of Library and Information Studies. B.A., University of Nevada, Reno; M.L.S., Emporia State University; Ph.D., Emporia State University.

LEE, HYUK-JIN, Associate Professor of Library and Information Studies. B.A., Yonsei University; M.S., University of Michigan, Ann Arbor; Ph.D., Rutgers University.

Assistant Professors

CURRY, EVELYN L., Assistant Professor of Library and Information Studies. B.A., Prairie View A&M University; M.A., University of Wisconsin, Madison; Ph.D., University of Illinois, Urbana-Champaign.

ELKINS, AARON, Assistant Professor of Library and Information Studies. B.S., University of South Florida; M.A., University of South Florida; Ph.D., Florida State University.

MASTEN-CAIN, KATHRYN, Assistant Professor of Library and Information Studies. B.A., Beloit College; M.P.A., Arizona State University; Ph.D. University of North Texas.

McELRATH, EILEEN T., Assistant Professor of Library and Information Studies. B.A., Murray State University; M.S.L.S., Murray State University; M.A., University of Kentucky; Ph.D., Florida State University.

PERRYMAN, CAROL L., Assistant Professor of Library and Information Studies. B.S., Friends University; M.S., University of Illinois, Urbana-Champaign; Ph.D., University of North Carolina, Chapel Hill.

RICHEY, JENNIFER E., Assistant Professor of Library and Information Studies. B.A., University of Texas at Austin; M.S.I.S., University of Texas at Austin; Ph.D., University of Texas at Austin.

Master of Library Science

The Master of Library Science (M.L.S.) degree is available entirely online and is designed to prepare professionals to work in information environments including:

- Academic libraries
- Public libraries
- School libraries
- Corporate and other special libraries

This preparation is achieved by: 1) the acquisition of knowledge in a set of courses basic to an understanding of library and information studies; 2) advanced instruction in courses selected according to the student's career goals; 3) completion of a practicum or internship (may be waived if the student has had comparable and substantial experience in a library or other information environment, to be replaced with an advisor approved elective).

The Master of Library Science degree program at Texas Woman's University is accredited by the American Library Association Committee on Accreditation (http://www.ala.org/groups/committees/ala/ala-coa), with the status of Continued accreditation. The next comprehensive review visit is scheduled for Spring 2017.

Master of Library Science Program of Study (36 semester credit hours)

Required Courses		
LS 5083	Foundations of Library and Information Studies	3
LS 5053	Information Retrieval	3
LS 5043	Information and Communication Technology	3
LS 5003	Collection Development	3
LS 5023	Information Organization	3
LS 5263	Information Sources and Services	3
LS 5383	Library Management	3
LS 5843	Practicum	3
Library Science Electives		
12 semester credit hours approved by advisor		12
Total Semester Credit Hours		36

Special Requirements

A cumulative B average must be maintained. Any course with a grade of C cannot be applied toward the student’s degree. Students are allowed to repeat a course once to improve a grade. No graduate library science course may be taken more than twice.

Final Examination

The Final Exam comprises submission of a professional portfolio, to be reviewed by the Final Exam Committee.

Master of Arts in Library Science

The Master of Arts in Library Science (M.A. in Library Science) degree is available entirely online and is designed to prepare library and information professionals to conduct research in an information environment. This includes positions in:

- Academic libraries
- Public libraries
- School libraries
- Corporate and other special libraries

This preparation is achieved by: 1) the acquisition of knowledge in a set of courses basic to an understanding of library and information studies; 2) advanced instruction in a set of research courses; 3) completion of a thesis; and 4) experience in a research setting. As graduates conduct their professional research and/or move into doctoral programs in librarianship, they will make effective contributions to library research.

Goals of the M.A. in Library Science degree, in addition to goals for the M.L.S., are: 1) to contribute to the improvement of library and information services through research; 2) to produce graduates who can work in association with researchers in other disciplines; and 3) to produce graduates with research expertise needed to work in academic libraries, government agencies, etc.

The Master of Arts in Library Science degree program at Texas Woman's University is accredited by the American Library Association Committee on Accreditation (http://www.ala.org/groups/committees/ala/ala-coa), with the status of Continued accreditation. The next comprehensive review visit is scheduled for Spring 2017.

Master of Arts in Library Science Program of Study (39 semester credit hours)

Required Courses		
LS 5083	Foundations of Library and Information Studies	3
LS 5053	Information Retrieval	3
LS 5043	Information and Communication Technology	3
LS 5003	Collection Development	3
LS 5023	Information Organization	3
LS 5263	Information Sources and Services	3
LS 5383	Library Management	3
LS 5753	Research Methods	3
LS 5843	Practicum	3
Electives		3
3 semester credit hours in Library Science and other disciplines as approved by faculty advisor		
Research Tool		
3 semester credit hours		3
Thesis		
LS 5983	Thesis	3
LS 5993	Thesis	3
Total Semester Credit Hours		39

Special Requirements

A cumulative B average must be maintained. Any course with a grade of C cannot be applied toward the student's degree. Students are allowed to repeat a course once to improve a grade. No graduate library science course may be taken more than twice.

Dual Degree: Master of Library Science and Master of Science in Health Studies

Total Semester Credit Hours Required

54 semester credit hours consisting of:

- 21 semester credit hours of Library Science courses
- 24 semester credit hours of Health Studies courses
- 9 semester credit hours of Dual Degree courses

Residence Requirement

Successful completion of new HS student online orientation during the first year in the program.

Prerequisites or Co-requisites

A bachelor's degree from accredited regional university.

Final Examination

Health Studies: A written comprehensive core project on the core coursework is required. The project will be included as a portion of HS 5383. Final Project passing grade will be a minimum of 80%. The course may be repeated once if the minimum passing grade is not achieved.

Library Science: The SLIS Final Exam comprises submission of a professional portfolio, to be reviewed by the Final Exam Committee.

Dual Degree: Master of Science in Health Studies and Master of Library Science Program of Study (54 semester credit hours)

Code	Title	Semester Credit Hours
Required Library Science Courses		
LS 5083	Foundations of Library and Information Studies	3
LS 5053	Information Retrieval	3
LS 5043	Information and Communication Technology	3
LS 5003	Collection Development	3
LS 5363	Health Sciences Information Services Management	3
LS 5473	Health Reference Services and Resources	3
LS 5483	Consumer Health Information Resources	3
Required Health Studies Course		
HS 5413	Current Issues in Health Studies	3
HS 5353	Epidemiology	3
HS 6443	Foundations of Health Science	3
HS 5423	Ethnic and Cultural Factors in Health Decisions	3
HS 6453	Strategies in Health Education Delivery	3
HS 5383	Program Development and Coordination	3
HS 5013	Data Collection and Analysis	3
HS Elective (speak with advisor)		3
Dual Degree Requirements		
Graduate Level Statistics Course		3
HS 5023	Methods in Health Education Research	3
LS 5843	Practicum	3
Total Semester Credit Hours		54

Post-Master's Certificate in Evidence-Based Health Science Librarianship

The post-master's Graduate Certificate in Evidence-Based Health Science Librarianship provides the knowledge and skills to be competent in practicing evidence-based librarianship in the health profession. The curriculum consists of the fundamental knowledge of library science and focuses on resources and services in health science librarianship, with a capstone practicum in a health science library or information center.

The curriculum for the certificate program consists of three required library science courses, three required courses in health science librarianship, and one required practicum as the capstone course.

Post-Master's Certificate in Evidence-Based Health Science Librarianship Program of Study (21 semester credit hours)

Required Library Science Courses		
LS 5083	Foundations of Library and Information Studies	3
LS 5053	Information Retrieval	3
LS 5043	Information and Communication Technology	3
Required Health Informatics Courses		
LS 5363	Health Sciences Information Services Management	3
LS 5473	Health Reference Services and Resources	3
LS 5483	Consumer Health Information Resources	3
Required Practicum		
LS 5843	Practicum (Evidence-Based Practice in a health science library)	3
Total Semester Credit Hours		21

Post-Master's Certificate in School Librarianship

The curriculum for the certificate program consists of seven required courses, and one required practicum as the capstone course.

Post-Master's Certificate in School Librarianship Program of Study (24 semester credit hours)

Required Library Science Courses		
LS 5083	Foundations of Library and Information Studies	3
LS 5233	Multimedia Resources and Services	3
LS 5003	Collection Development	3
LS 5103	Cataloging and Classification	3
LS 5603	Literature for Children and Young Adults	3
LS 5333	School Library Media Center	3
LS 5443	Librarians as Instructional Partners	3
Required Practicum		
LS 5843	Practicum	3
Total Semester Credit Hours		24

Institute of Health Sciences

The Institute of Health Sciences supports the development of the University’s programs concerned with health science education and research. In pursuit of this mission, the Institute provides optimal and diverse opportunities for career preparation and prepares effective practitioners and scholars for service, teaching, leadership, and research roles in the field of health.

The Institute of Health Sciences consists of the College of Health Sciences and the College of Nursing. Graduate programs are offered in Education of the Deaf, Exercise and Sports Nutrition, Food Science, Food Systems Administration, Health Care Administration, Health Studies, Kinesiology, Nursing, Nutrition, Occupational Therapy, Physical Therapy, and Speech/Language Pathology.

The Institute's programs are offered at University facilities on the Denton Campus, at the T. Boone Pickens Institute of Health Sciences–Dallas Center, and at the Houston Center. In addition, the programs in the Institute of Health Sciences make use of excellent clinical facilities throughout the state.

Application for admission to graduate programs in the Institute of Health Sciences is made to the Graduate School. Each degree program has specific admission requirements, and in some cases enrollment is limited. Descriptions of requirements for admission to each degree program are listed under the specific program.

College of Health Sciences

Web Site: http://www.twu.edu/college-health-sciences/

Dean: *Christopher T. Ray, Professor*
Location: *HDB 202*
Phone: *940-898-2852*
Fax: *940-898-2853*

The College of Health Sciences consists of the Departments of Communication Sciences and Disorders (p. 247), Health Studies (p. 254), Kinesiology (p. 265) and Nutrition and Food Sciences (p. 275); Program in Dental Hygiene (http://catalog.twu.edu/undergraduate/health-sciences/dental-hygiene); Program in Health Care Administration (p. 287) (Pending THECB approval, this degree program will transition from the College of Health Sciences to the School of Management during the 2016-2017 academic year.), and the Schools of Occupational Therapy (p. 295) and Physical Therapy (p. 308). Students may pursue the degrees of Master of Science, Master of Healthcare Administration, Master of Occupational Therapy, Doctor of Education, Doctor of Philosophy, Doctor of Occupational Therapy, and Doctor of Physical Therapy within the College.

The College of Health Sciences provides the structure for a creative alliance of disciplines concerned with preparing practitioners, scholars, and researchers that focus on health promotion, prevention of illness, and remediation and rehabilitation of health problems. Multidisciplinary and integrated studies that encourage collaboration among disciplines characterize the academic environment of the College.

Master’s Degree programs in Health Sciences

- M.S. in Speech-Language Pathology
- M.S. in Education of the Deaf
- Master of Healthcare Administration (M.H.A.) (Pending THECB approval, this degree program will transition from the College of Health Sciences to the School of Management during the 2016-2017 academic year.)
- Master of Occupational Therapy (M.O.T.)
- M.S. in Health Studies
- M.S. in Kinesiology
- M.S. in Exercise and Sports Nutrition
- M.S. in Nutrition
- M.S. in Food Science
- M.S. in Food Systems Administration
- Dual Degree: M.S. in Health Studies and Master of Library Science

Doctoral Degree programs in Health Sciences

- Doctor of Occupational Therapy (O.T.D.) - Post-professional
- Doctor of Physical Therapy (D.P.T.) - Professional
- Doctor of Physical Therapy (D.P.T.) - Post-professional
- Ph.D. in Health Studies
- Ph.D. in Kinesiology
- Ph.D. in Nutrition
- Ph.D. in Occupational Therapy
- Ph.D. in Physical Therapy

Detailed descriptions of specializations within the degree programs are included in the departmental sections of the catalog.

Department of Communication Sciences and Disorders

Web Site: http://www.twu.edu/communication-sciences/

Chair: *Erika Armstrong, Associate Professor*
Location: *MCL 820*
Phone: *940-898-2025*
Fax: *940-898-2070*
E-mail: *coms@twu.edu*

Graduate Degrees Offered

- M.S. in Speech-Language Pathology (p. 252)
- M.S. in Education of the Deaf (p. 251)

Department of Communication Sciences and Disorders Mission

The Department of Communication Sciences and Disorders prepares a diverse community of students to excel in careers in speech-language pathology and education of the deaf and hard of hearing.

Speech-Language Pathology Program Overview

Working with the full range of human communication, speech-language pathologists (SLPs) evaluate and diagnose speech, language, cognitive-communication, and swallowing disorders and treat such disorders in individuals of all ages, from infants to the elderly (American Speech-Language-Hearing Association (http://www.asha.org)).

The TWU master's degree program in Speech-Language Pathology is accredited by the Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA). The program has two different learning venues.

The on-campus venue admits students each summer and fall and provides evening classes on the Denton and Dallas campuses. Students participate in clinical experiences two to five days a week at the TWU Speech-Language-Hearing Clinic (http://www.twu.edu/communication-sciences/speech-language-hearing-clinic.asp) in Denton, The Stroke Center (http://www.twu.edu/stroke-center-dallas) - Dallas, and externship sites throughout the Denton and Dallas-Fort Worth area.

The distance learning venue runs in two-year cohort cycles. Funded by the Texas Education Agency, the distance learning venue was created to help ameliorate the shortage of speech-language pathologists in Texas schools. This venue is offered to students across the state of Texas through partnerships with Education Service Centers and school districts.

Education of the Deaf Program Overview

The TWU Education of the Deaf master's degree leads to teacher certification specializing in teaching K-12 students who are deaf or hard of hearing. The program prepares teachers to work in a variety of educational settings. We are committed to a comprehensive communication philosophy that focuses on meeting the individual needs of diverse students across all communication methods. Teachers learn to work collaboratively with families, students, and professionals.

The program is online and flexible in nature and includes a diverse cohort from varied backgrounds. Online classes are both synchronous and asynchronous and fully accessible to everyone. Practice-based coursework focuses on communication, language, and content. Graduates are equipped with broad knowledge and skills for promoting strong social, linguistic, and academic outcomes among students who are deaf or hard of hearing.

The program can be completed in two years following the recommended sequence of courses and includes a student teaching experience. The fully online program is offered to students across the United States.

Certifications

Certification Programs Offered

Speech-Language Pathology

Graduates who pass the national examination and successfully complete their clinical fellowship year are eligible for the ASHA Certificate of Clinical Competence and State Licensure.

Education of the Deaf

Graduates who successfully pass the state TExES exam are eligible for Texas Teacher Certification in Education of the Deaf and Hard of Hearing. Out-of-state students must meet the unique requirements of their state for teacher certification.

Courses

COMS 5003. Research in Communication Sciences. The process of inquiry and research modalities and techniques; applications in the field of Communication Sciences. Three lecture hours a week. Credit: Three hours.

COMS 5011. Ethics and Clinical Procedures. Professional and ethical standards for SLPs and assistants; focus on ethics, HIPAA and Infection Control; clinical procedures and paperwork. One lecture hour a week. Credit: One hour.

COMS 5013. Audiology for Deaf Education. Anatomy, physiology, and psychoacoustics related to hearing; survey of etiologies of deafness; review of hearing assessments; and overview of aural habilitation. Emphasis on educational audiology and connections to classroom practice with students who are deaf/hard of hearing. Three lecture hours a week. Credit: Three hours.

COMS 5023. Linguistics of Early Childhood. Language development, theories of language acquisition, and the basic stages of typically and atypically developing populations (including deaf/hard of hearing) integrating social, cognitive, and linguistic development. Three lecture hours a week. Credit: Three hours.

COMS 5052. Fundamentals of Communication Disorders. A detailed review of major theories, and evaluation and intervention strategies used to habilitate and rehabilitate those with communication disorders. Two lecture hours a week. Credit: Two hours.

COMS 5073. Linguistics of Sign Communication. Linguistic analysis of pedagogical issues in communicating via American Sign Language and English-based sign systems. Evaluation of research-based practices and design strategies for communicating via sign with the continuum of students who are deaf/hard of hearing. Three lecture hours a week. Credit: Three hours.

COMS 5123. Family-Centered Early Education for Children Who Are Deaf/Hard of Hearing. Programming for birth-five population of deaf/hard of hearing. Examination of EHDI systems, IDEA legislation, identification process, early intervention, and preschool services. Use of family-centered approach to support communication and learning; developmental and research-based best practices. Three lecture hours a week. Credit: Three hours.

COMS 5211. Counseling and Professional Communication. Interviewing, counseling, and communicating with clients with communication and swallowing disorders and their families in a variety of settings. Strategies for communicating with other professionals. One lecture hour a week. Credit: One hour.

COMS 5232. Language Disorders in Preschool Children. Evaluation and evidence-based treatment of early-developing language skills of children with primary or secondary language disorders. Two lecture hours a week. Credit: Two hours.

COMS 5303. Differentiated Instruction for Students with Other Disabilities. Information for teaching students with hearing and other disabilities or those mainstreamed into regular education classes. Credit: Three hours.

COMS 5311. Multicultural Issues and Mentoring. Critical strategies and evidence-based practice in supervising and providing feedback to supervisees; service delivery issues in culturally and linguistically diverse populations; sensitivity to multiculturalism in the clinical practice of SLP. One lecture hour a week. Credit: One hour.

COMS 5322. Augmentative Communication. Identification, legal descriptions, and implications of alternative augmentative communication (AAC) systems. Methods of evaluation and 'feature matching' between the client and the AAC system. Treatment procedures and lesson plans for students using AAC systems. Two lecture hours a week. Credit: Two hours.

COMS 5333. Assessment and Diagnosis of Communication Disorders. A comprehensive study of the evaluative and assessment process in speech-language pathology including the techniques and materials used to diagnose various communicative disorders in children and adults. Three lecture hours a week. Credit: Three hours.

COMS 5353. Adult Dysphagia. Principal issues and research concerning the nature, assessment, and evidence-based treatment of swallowing disorders in adults. Three lecture hours a week. Credit: Three hours.

COMS 5403. Facilitating Language Development through Teaching Content. Principles and methods involved in facilitating the development of language (written, spoken, and manual) to children who are deaf/hard of hearing within the confines of Pre-K through 12 curricular content areas. Three lecture hours a week. Credit: Three hours.

COMS 5413. Advanced Clinical Practicum II. Assessment and management of clients with speech, language, and hearing disorders under supervision of ASHA certified supervisors. Eight laboratory hours a week. Credit: Three hours.

COMS 5452. Pediatric Dysphagia. Principal issues and research concerning the nature, assessment, and evidence-based treatment of swallowing disorders in children. Prerequisite: COMS 5353. Two lecture hours a week. Credit: Two hours.

COMS 5483. Neuronal Pathways of Communication. Neuronal pathways emphasizing sensory motor mechanisms involved with audition, vision, tactilekinesthesia, speech, and language. Three lecture hours a week. Credit: Three hours.

COMS 5511. Advanced Language Disorders. Evidence-based assessment and treatment of children's language deficits associated with intellectual disabilities, sensory deficits, environmental components, and neurological disorders such as autism. Prerequisite: COMS 5603. One lecture hour a week. Credit: One hour.

COMS 5513. Instructional Processes in Deaf Education. Pedagogical issues of providing effective instruction of content areas to deaf and hard of hearing students in a variety of learning environments available throughout the special education continuum. Three lecture hours a week. Credit: Three hours.

COMS 5523. Speech and Hearing Science. Basic vocal tract and hearing mechanisms with emphasis on respiration, phonation, resonance, speech perception, and acoustic aspects of speech. Includes hands-on work with analysis of speech using various instrumental methodologies. Three lecture hours a week. Credit: Three hours.

COMS 5542. Fluency Disorders. Etiology, evaluation, and evidence-based treatment of fluency disorders in children and adults. Two lecture hours a week. Credit: Two hours.

COMS 5553. Speech Sound Disorders. Etiologies, evaluation, and evidence-based therapy approaches for articulation and phonological disorders. Three lecture hours a week. Credit: Three hours.

COMS 5583. Seminar in Neurological Disorders. Nature, evaluation, and treatment of speech and language disorders related to neurological disorders. Prerequisite: COMS 5483. Three lecture hours a week. Credit: Three hours.

COMS 5603. Language Disorders in School-Age Children. Principal issues and research concerning the nature of language disorders in school-age children; assessment and treatment of such disorders. Three lecture hours a week. Credit: Three hours.

COMS 5643. Advanced Neurological Disorders. Advanced clinical considerations for assessment/treatment of aphasia and aquired speech disorders. Includes medical aspects of speech-language pathology, neuroimaging, neuromodulation, and counseling techniques. Required prior to or concurrently with clinical placement at the TWU Stroke Center-Dallas. Three lecture hours a week. Credit: Three hours.

COMS 5663. Strategies for Supporting Language Development. Assessment in instructional strategies for supporting language development and expanding language (written, spoken, and manual). Competencies developed through practical application of strategies with students who are deaf/hard of hearing. Includes ten hours of field-based experiences across the semester. Three lecture hours a week. Credit: Three hours.

COMS 5683. Strategies for Supporting Listening and Spoken Language. Auditory-Verbal principles and their application for diverse deaf/hard of hearing students. Emphasis on optimizing hearing technology, the developmental processes of audition/speech, and facilitating spoken language. Includes ten hours of field-based experiences across the semester. Three lecture hours a week. Credit: Three hours.

COMS 5722. Voice and Resonance Disorders. Physiological process of voice production as related to voice and resonance disorders; differential diagnosis and evidence-based treatment procedures in both medical and behavioral arenas. Prerequisite: COMS 5523. Two lecture hours a week. Credit: Two hours.

COMS 5753. History and Current Trends in the Education of Deaf/HH Learners. Current trends and practices that affect the education of children who are deaf/hard of hearing; history of deaf education including Deaf culture and its influence upon deaf education. Three lecture hours a week. Credit: Three hours.

COMS 5783. Graduate Field Experience of the Deaf. Field experience in education of the deaf, types of teaching, professional ethics, and effective teaching practices. Eight practicum hours a week. Credit: Three hours.

COMS 5793. Aural Habilitation and Advanced Speech Disorders. Neurological aspects of motor speech disorders and other challenging speech disorders including etiology, evaluation, and evidence-based treatment for children who are deaf or hard of hearing. Three lecture hours a week. Credit: Three hours.

COMS 5823. Literacy Development in Deaf Education. Literature review of theories, evaluation, and intervention strategies associated with the development of literacy in hearing and deaf/hard of hearing children. Three lecture hours a week. Credit: Three hours.

COMS 5853. Teacher Friendly Assessment Strategies. Informal assessment strategies including language and literacy case studies designed to individualize instruction and monitor academic process. Competencies developed through practical application with students who are deaf/hard of hearing. Includes ten hours of field-based experiences across the semester. Three lecture hours a week. Credit: Three hours.

COMS 5903. Special Topics. Research and review of literature on selected topics dealing with communication disorders. Topic will vary from semester to semester. Three lecture hours a week. Credit: Three hours.

COMS 5911. Independent Study. Individual study of specific problems. Prerequisite: Permission of instructor. Credit: One hour.

COMS 5913. Independent Study. Individual study of specific problems. Prerequisite: Permission of instructor. Credit: Three hours.

COMS 5923. Instructional Practicum in Deaf Education. Seven-week professional supervised teaching experience within deaf education K-12 settings. Prerequisites: COMS 5403 and COMS 5513. Seven laboratory hours a week. Credit: Three hours.

COMS 5926. Instructional Internship in Deaf Education. Fourteen-week professional supervised teaching experience within deaf education K-12 settings. Prerequisites: COMS 5403, COMS 5513, COMS 5683, and COMS 5663. Thirteen practicum hours a week. Credit: Six hours.

COMS 5973. Professional Paper. An in-depth study and/or review of a specific problem jointly selected by student and instructor; intensive laboratory or library research into the topic with a professional paper presenting the results of this research. May be repeated for a total of six hours credit. Credit: Three hours.

Faculty

Professors

GILL, CYNTHIA B., Professor of Communication Sciences and Disorders. B.S., Southwest Texas State University; M.Ed., Southwest Texas State University; Ed.D., East Texas State University.

WALKER-BATSON, DELAINA, Cornaro Professor of Communication Sciences and Disorders. B.A., Southern Methodist University; M.S., University of Utah; Ph.D., University of Texas at Austin.

Associate Professors

ALLMAN, TAMBY M., Associate Professor of Communication Sciences and Disorders. B.S., Baylor University; M.A., Texas Woman's University; Ed.D., National-Louis University.

ARMSTRONG, ERIKA S., Associate Professor of Communication Sciences and Disorders; Chair of the Department of Communication Sciences and Disorders. B.A., University of Texas at Dallas; M.S., University of Texas at Dallas; Ph.D., University of Texas at Dallas.

BHARADWAJ, SNEHA V., Associate Professor of Communication Sciences and Disorders. B.S., University of Mysore, India; M.S., University of Mysore, India; Ph.D., University of Texas at Dallas.

GREEN, LAURA B., Associate Professor of Communication Sciences and Disorders. B.S., Stephen F. Austin State University; M.A., University of Houston; Ph.D., University of Washington.

MEHTA, JYUTIKA A., Associate Professor of Communication Sciences and Disorders. B.S., Bombay University : India; M.S., University of Texas at Dallas; Ph.D., University of Texas at Dallas.

SMITH, CHAD E., Associate Professor of Communication Sciences and Disorders. B.A., Lamar University; M.S., Lamar University; Ph.D., Nova Southeastern University.

Assistant Professors

LEVITT, JUNKO (JUNE) S., Assistant Professor of Communication Sciences and Disorders. B.A., Musashino Women's College; M.S., University of Texas at Dallas; Ph.D., University of Texas at Dallas.

PAYESTEH, BITA, Assistant Professor of Communication Sciences and Disorders. B.A., The University of Texas at Dallas; M.S., The University of Texas at Dallas; Ph.D., University of Minesota.

SPOLSKY, SONYA, Assistant Professor of Communication Sciences and Disorders. M.A., The University of Arizona; Ph.D., The University of Arizona.

WAINSCOTT, SARAH D., Assistant Professor of Communication Sciences and Disorders. B.S., James Madison University; M.Ed., James Madison University; Ph.D., Gallaudet University.

Associate Clinical Professors

MOORER-COOK, LAURA L., Associate Clinical Professor of Communication Sciences and Disorders. B.S., Texas Woman's University; M.A., Texas Woman's University.

MORY, KIMBERLY D., Associate Clinical Professor of Communication Sciences and Disorders. B.A., California State University, Fullerton; M.A., California State University, Fullerton.

WHITE, JENNIFER K., Associate Clinical Professor of Communication Sciences and Disorders. B.S., James Madison University; M.S., University of North Texas.

WOODS, ALISA P., Associate Clinical Professor of Communication Sciences and Disorders. B.S., University of Oklahoma Health Sciences Center; M.S., Texas Woman's University.

Assistant Clinical Professors

ABELLERA, ROBIN L., Assistant Clinical Professor of Communication Sciences and Disorders. B.S., University of Houston; M.A., Texas Woman's University.

CHANCE, PAULA V., Assistant Clinical Professor of Communication Sciences and Disorders. B.S., Abilene Christian University; M.S., Texas Woman's University.

STOCKHOLM, MELISSA C., Assistant Clinical Professor of Communication Sciences and Disorders. B.S., Baylor University; M.Ed., Stephen F. Austin State University.

Master of Science in Education of the Deaf

Admission Requirements

Please see the admissions section (p. 56) of this catalog for university admission requirements. In addition to those general requirements, the Education of the Deaf Program requires the following (visit the Communication Sciences and Disorders website (http://www.twu.edu/communication-sciences) for details).

1. A one-page personal letter of intent describing the applicant's professional aspirations
2. Three letters of recommendation from professionals familiar with the applicant's academic and/or professional work
3. The Department Application Form available on the department's website (http://www.twu.edu/communication-sciences)
4. Graduate Record Examination (GRE) scores (no minimum score required; applicants should have a competitive score)

Applicants must have a GPA of 3.0 or higher on their last 60 hours of undergraduate work OR on their last 60 hours of undergraduate work plus any post baccalaureate or graduate hours. The Graduate School requires a minimum GPA of 3.0 on all graduate coursework.

Off-campus/online students must have access to a school for children who are deaf or hard of hearing.

Education of the Deaf Program Requirements for a Master's Degree

1. A minimum of 36 semester credit hours are required for those seeking a graduate degree in Education of the Deaf. Those individuals seeking a degree with an undergraduate major other than Communication Sciences or those without current teacher certification coursework may be required to take additional semester credit hours.
2. All students must successfully complete a comprehensive exam prior to their student teaching or practicum experience and graduation. Students will be required to take the K-12 Pedagogy and Professional Responsibilities (PPR) Exam, Texas Assessment of Sign Competency (TASC) Exam, TExES Exam (DHH), and/or other exams as required for certification.

Education of the Deaf Program Retention Requirements

Students must maintain a B average or higher (3.0 or higher) in all graduate courses on their degree plan to be retained in the graduate program. A student who receives a grade of C or lower in a graduate course must retake the course in order to successfully complete the master's program. Any student who receives a second grade of C or lower will be dismissed from the program. Students must also maintain professional and academic integrity at all times and must abide by the university, college, and department codes of ethics/conduct and policies and procedures while in the program.

Master of Science in Education of the Deaf Program of Study (for TWU COMS graduates) (36 semester credit hours)

COMS 5403	Facilitating Language Development through Teaching Content	3
COMS 5663	Strategies for Supporting Language Development	3
COMS 5683	Strategies for Supporting Listening and Spoken Language	3
COMS 5073	Linguistics of Sign Communication	3
COMS 5303	Differentiated Instruction for Students with Other Disabilities	3
COMS 5023	Linguistics of Early Childhood	3
COMS 5513	Instructional Processes in Deaf Education	3
COMS 5853	Teacher Friendly Assessment Strategies	3
COMS 5783	Graduate Field Experience of the Deaf	3
COMS 5123	Family-Centered Early Education for Children Who Are Deaf/Hard of Hearing	3
EDUC 5926	Professional Practicum	6
Total Semester Credit Hours		36

Master of Science in Education of the Deaf Program of Study (for students from a university other than TWU) (42-45 semester credit hours + certification hours)

COMS 5013	Audiology for Deaf Education	3
COMS 5023	Linguistics of Early Childhood	3
COMS 5073	Linguistics of Sign Communication	3
COMS 5123	Family-Centered Early Education for Children Who Are Deaf/Hard of Hearing	3
COMS 5303	Differentiated Instruction for Students with Other Disabilities	3
COMS 5403	Facilitating Language Development through Teaching Content	3

COMS 5513	Instructional Processes in Deaf Education	3
COMS 5663	Strategies for Supporting Language Development	3
COMS 5683	Strategies for Supporting Listening and Spoken Language	3
COMS 5753	History and Current Trends in the Education of Deaf/HH Learners	3
COMS 5783	Graduate Field Experience of the Deaf	3
COMS 5823	Literacy Development in Deaf Education	3
COMS 5853	Teacher Friendly Assessment Strategies	3
Select one of the following:		3-6
COMS 5923	Instructional Practicum in Deaf Education	
COMS 5926	Instructional Internship in Deaf Education	
EDUC 5926	Professional Practicum	
Total Semester Credit Hours		42-45

Certification Courses - Students without teacher certification will need to take the following Education courses for Texas certification

EDUC 5113	Foundations of Teaching and Learning	3
EDUC 5123	Learning Theory, Development, and Research	3
EDUC 5133 & EDUC 5131	Assessment and Instructional Design and Delivery for Diverse Learners and Technology in Assessment and Instruction	4
EDUC 5143	Effective Design and Management of the Classroom Environment (EC-12)	3
Total Semester Credit Hours		13

Total semester credit hours: 36 COMS SCH + 3-6 Practicum or Student Teaching + 13 EDUC (if not teacher certified)

Master of Science in Speech-Language Pathology

Admission Requirements

Please see the admissions section (p. 56) of this catalog for university admission requirements. In addition to those general requirements, the Speech-Language Pathology Program requires the following (visit the Communication Sciences and Disorders website (http://www.twu.edu/communication-sciences) for details):

1. A one-page personal letter of intent describing the applicant's professional aspirations
2. Three letters of recommendation from professionals familiar with the applicant's academic and/or professional work
3. The Department Information Form (available on the department website (http://www.twu.edu/communication-sciences) for on-campus venue applicants and in the information packet for distance venue applicants)
4. Graduate Record Examination (GRE) scores (no minimum score required; applicants should have a competitive score)

In addition, applicants for the distance venue must attend an Information Meeting prior to applying and submit additional materials with their application that are provided in these Information Meetings. More information is available on the department's website (http://www.twu.edu/communication-sciences).

Applicants must have a GPA of 3.0 or better on their last 60 semester credit hours of undergraduate work OR on their last 60 semester credit hours of undergraduate work plus any post baccalaureate or graduate semester credit hours. The Graduate School requires a minimum GPA of 3.0 on all graduate coursework.

Before beginning the graduate SLP program, students must also have completed:

1. An undergraduate degree in Communication Sciences and Disorders or Speech-Language Pathology or pre-master's leveling courses (http://www.twu.edu/communication-sciences)
2. 25 hours of university directed observation (can be earned at TWU after acceptance to the SLP program through COMS 4303)
3. Four classes for the American Speech-Language and Hearing Association (ASHA) (http://www.asha.org) prerequisite courses: one class in each of the following that is not a Communication Sciences course:

    - biological science (biology, zoology, A&P, or any other living science)
    - physical science (physics, chemistry or other non-living science)
    - social/behavioral science (psychology, sociology or anthropology)

- stand alone statistics course

Speech-Language Pathology Program Requirements for a Master’s Degree

1. A minimum of 43 academic semester credit hours plus six successful semesters (18 semester credit hours) of clinical practicum (including opportunities in TWU clinics (p. 51)) are required for those seeking a graduate degree in Speech-Language Pathology. Those individuals seeking a degree with an undergraduate major other than Communication Sciences may be required to take additional semester credit hours.
2. All students must successfully complete a Comprehensive Exam for degree completion and graduation.

Speech-Language Pathology Program Retention Requirements

Students receiving a grade of C or lower in one graduate course must retake the course and earn a grade of B or better in order to successfully complete the master’s program. Students must not receive more than one C (or lower) in graduate coursework. Students receiving two C grades or lower, in the same or different courses/practica, will be dismissed from the program. Students must also maintain professional and academic integrity at all times and must abide by the American Speech-Language and Hearing Association (ASHA) (http://www.asha.org), university, college, and department codes of ethics/conduct and policies and procedures while in the program.

Master of Science in Speech-Language Pathology Program of Study (61 semester credit hours)

Required Academic Courses		
COMS 5003	Research in Communication Sciences	3
COMS 5011	Ethics and Clinical Procedures	1
COMS 5052	Fundamentals of Communication Disorders	2
COMS 5211	Counseling and Professional Communication	1
COMS 5232	Language Disorders in Preschool Children	2
COMS 5322	Augmentative Communication	2
COMS 5333	Assessment and Diagnosis of Communication Disorders	3
COMS 5353	Adult Dysphagia	3
COMS 5452	Pediatric Dysphagia	2
COMS 5483	Neuronal Pathways of Communication	3
COMS 5523	Speech and Hearing Science	3
COMS 5542	Fluency Disorders	2
COMS 5553	Speech Sound Disorders	3
COMS 5583	Seminar in Neurological Disorders	3
COMS 5603	Language Disorders in School-Age Children	3
COMS 5722	Voice and Resonance Disorders	2
COMS 5793	Aural Habilitation and Advanced Speech Disorders	3
Required Clinical Practicum		
COMS 5413	Advanced Clinical Practicum II (to be taken 6 times)	18
Electives		
Select 2 semester credit hours from the following:		2
COMS 5311	Multicultural Issues and Mentoring	
COMS 5511	Advanced Language Disorders	
COMS 5643	Advanced Neurological Disorders	
Total Semester Credit Hours		61

Department of Health Studies

Web Site: http://www.twu.edu/health-studies/

Interim Chair: Roger Shipley, Associate Professor

Location: *CFO 1006*
Phone: *940-898-2860*
Fax: *940-898-2859*
E-mail: *HealthStudiesInfo@twu.edu*

Graduate Degrees Offered

- M.S. In Health Studies (p. 259)
- Dual Degree: M.S. in Health Studies/ Master of Library Science (p. 261)
- Ph.D. in Health Studies (p. 262)

Mission Statement

The Department of Health Studies is dedicated to improving the health of communities by conducting research, teaching evidence-based practice, educating future health education/health promotion professionals, and developing leaders and scholars who translate research into practice. Through responsive, collaborative relationships with faculty, staff, students, alumni, schools, and populations, the department's purpose is to graduate professionals of high esteem who impact behavioral and social determinants of societal health.

Master's Program

The Master of Science (M.S.) degree program in the department of Health Studies prepares graduates for leadership positions in the disciplines of health education and health promotion. The M.S. Program is built upon the competencies as framed in the entry-level competencies of the National Commission for Health Education Credentials' latest Competency Update Project Model.

Master's Programs Goal

To prepare graduates to become health education leaders and practitioners in the profession.

Master's Programs Objectives

The Master's Programs curricula are designed to provide students with the knowledge and skills to:

- Assess the health needs and interests of individuals, groups, and communities in relation to cultural, ethnic, and demographic factors.
- Plan, implement and evaluate health education and health promotion programs in a variety of settings.
- Approach health education and health promotion from a multicultural perspective and sensitivity to diversity.
- Develop appropriate strategies to effect positive health behavior among the groups or populations addressed.
- Coordinate the provision of health education services and serve as a resource person in health education and health promotion.

Courses are taught 100% online. The online M.S. in Health Studies began operating more than a decade ago with approval of the Texas Higher Education Coordinating Board.

Dental Hygiene Focal/Emphasis

Students may pursue a M.S. in Health Studies with a focal/emphasis in Dental Hygiene that will prepare leaders in dental hygiene and health education. This focal area will provide students the opportunity to learn to access, plan, implement and evaluate dental hygiene programs. In addition, successful completion of the program may help qualify graduates of the program for positions such as dental career educator, wellness coordinator and dental health administration/management.

Dual Degree Program

Through a joint program of the Department of Health Studies and the School of Library and Information Studies, students may also pursue a dual master's degree in Health Studies and Library Science. This dual degree program prepares specialized professionals for careers in health sciences information services and medical library services, as well as in the field of health education and health promotion. Graduates of this program will have the combined professional expertise of both disciplines to address society's growing needs for health information stemming from the rapid advances in information technologies.

M.S. in Informatics

Informatics is the study and application of information science, computer science, cognitive science, and organizational science to the arts, sciences, and professions. The Master of Science program in Informatics at TWU provides students with a flexible, adaptable, interprofessional, and interdisciplinary approach to the study of Informatics in a hybrid learning environment. The program will provide students with the skills needed for success in high-demand professions and careers in the areas of Clinical Informatics, Data Science, Data Analytics, Health Studies, and Community Informatics. The program is delivered collaboratively by Academic Components including Computer Science, Nursing, Health Studies, and Library and Information Studies.

Doctoral Program

The Doctor of Philosophy (Ph.D.) degree program in the department of Health Studies prepares graduates to be effective health education leaders, researchers, and scholars in the profession. The Health Studies Doctoral Program is built upon the entry-level, advanced 1, and advanced 2 level competencies of the National Commission for Health Education Credentialing's latest Strategic Plan.

Doctoral Program Goal

To prepare graduates to be effective health education leaders, researchers, and scholars in the profession.

Doctoral Program Objectives

The Doctoral Program curriculum is designed to provide students with the knowledge and skills to:

- Assess the health needs and interests of individuals, groups, and communities in relation to cultural, ethnic, and demographic factors.
- Plan and implement health education and health promotion programs in a variety of settings.
- Evaluate health education and health promotion programs in a variety of settings.
- Approach health education and health promotion from a multicultural perspective and sensitivity to diversity.
- Develop appropriate strategies to effect positive health behavior among the groups or populations addressed.
- Coordinate the provision of health education services and serve as a resource.
- Serve as an advocate to both the community and the profession.
- Critically analyze and communicate current and future health education and health promotion needs.
- Apply appropriate research principles and methods in health education and health promotion to make scholarly contributions to the profession.
- Apply ethical principles in the practice of health education and health promotion.

Admissions

Admission Requirements

Applicants may be admitted for graduate study in the Department of Health Studies either unconditionally or provisionally. In addition to the general admission requirements presented in the admissions section of this catalog, the Department of Health Studies has established the following criteria for unconditional and provisional admission.

Master of Science in Health Studies

Unconditional admission

1. Undergraduate degree from accredited university.
2. Undergraduate GPA of 3.0 or higher for the last 60 semester credit hours of bachelor's degree coursework, as evidenced by official transcripts.
3. Appropriate academic background and professional/volunteer experience for graduate study as evidenced by a professional resume/vita, submitted via the Health Studies Graduate Application Portal (https://twuhealthstudies.slideroom.com/#/login).
4. Two recommendations by faculty members or employers, submitted via the Health Studies Graduate Application Portal (https://twuhealthstudies.slideroom.com/#/login).
5. Ability to express concepts and ideas in writing as evidenced in a Personal Statement Letter, submitted via the Health Studies Graduate Application Portal (https://twuhealthstudies.slideroom.com/#/login).
6. *For international students only, a minimum score of 550/213/79 on the Test of English as a Foreign Language (TOEFL).*

Provisional admission

For applicants who do not meet the minimum requirements for unconditional admission to the master's degree program, provisional admission will be considered, dependent upon the relative strength of the applicant's undergraduate GPA, academic background, professional experience, and Personal Statement Letter. A student's performance on graduate coursework taken prior to application for admission to the Health Studies master's degree program will be considered.

Doctor of Philosophy in Health Studies

Unconditional admission

1. Preferred graduate GPA of 3.5 or higher, as evidenced by official transcripts.
2. Preferred GRE scores of 152 verbal and 140 quantitative, or waiver if eligible. Ph.D. applicants are eligible for a GRE waiver if they have a master's GPA of 3.5 or higher and meet two of the following: *5 years of health-related work, 5 years of research experience, 3 publications or 5 presentations (peer-reviewed) in the last 5 years.*
3. Appropriate academic background and professional/volunteer experience for doctoral study as evidenced by a professional resume/vita, submitted via the Health Studies Graduate Application Portal (https://twuhealthstudies.slideroom.com/#/login).
4. Two recommendations by faculty members or employers, submitted via the Health Studies Graduate Application Portal (https://twuhealthstudies.slideroom.com/#/login).
5. Ability to express concepts and ideas in writing as evidenced in a Personal Statement Letter, submitted via the Health Studies Graduate Application Portal (https://twuhealthstudies.slideroom.com/#/login).
6. A scientific writing sample of no more that 5 pages from a thesis, professional paper, published paper, or research/academic paper, submitted via the Health Studies Graduate Application Portal (https://twuhealthstudies.slideroom.com/#/login).
7. *For international students only: a minimum score of 575 on the Test of English as a Foreign Language (TOEFL).*

Provisional admission

For applicants who do not meet the minimum requirements for unconditional admission to the doctoral program, provisional admission will be considered, dependent upon the relative strength of the applicant's master's GPA, GRE/TOEFL test score, academic background, professional experience, and written essay.

Dual Degree: Master of Science in Health Studies and Master of Library Science

For the dual master's degree program in Health Studies and Library Science, admission to the master's programs in both departments is required (see the admission requirements for the master's degree in Library Science (p. 236)).

Unconditional admission

1. Undergraduate degree from accredited university.
2. Undergraduate GPA of 3.0 or higher for the last 60 semester credit hours of bachelor's degree coursework, as evidenced by official transcripts.
3. Appropriate academic background and professional/volunteer experience for graduate study as evidenced by a professional resume/vita, submitted via the Health Studies Graduate Application Portal (https://twuhealthstudies.slideroom.com/#/login).
4. Two recommendations by faculty members or employers, submitted via the Health Studies Graduate Application Portal (https://twuhealthstudies.slideroom.com/#/login).
5. Ability to express concepts and ideas in writing as evidenced in a Personal Statement Letter, submitted via the Health Studies Graduate Application Portal (https://twuhealthstudies.slideroom.com/#/login).
6. *For international students only, a minimum score of 550/213/79 on the Test of English as a Foreign Language (TOEFL).*

Provisional admission

For applicants who do not meet the minimum requirements for unconditional admission to the master's degree program, provisional admission will be considered, dependent upon the relative strength of the applicant's undergraduate GPA, academic background, professional experience, and Personal Statement Letter. A student's performance on graduate coursework taken prior to application for admission to the Health Studies master's degree program will be considered.

Minors

Minors Offered to Students From Other Departments

For a minor in Health Studies the hour and course requirements are flexible and are determined by major and minor committee members and the student's background and interests. Minor: 12-18 hours

Courses

HS 5003. Practicum in Health Education. Internship experiences with health-related agencies or in the development of an original contribution to teaching and learning materials. Six practicum hours a week. Credit: Three hours.

HS 5006. Practicum in Health Education. Internship experiences with health-related agencies or in the development of an original contribution to teaching and learning materials. Twelve practicum hours a week. Credit: Six hours.

HS 5013. Data Collection and Analysis. Overview of data collection and analysis. Covers health education principles such as age-adjustment, relative risk, vital statistics, life tables, and health surveys. Analyzing retrospective and prospective studies, specifically in health education. Three lecture hours a week. Credit: Three hours.

HS 5023. Methods in Health Education Research. Required for Master's Thesis Option only. Focus on basic research skills including library skills, the reading and interpretation of research, writing style, research planning and design, methodologies, and research as they relate to health education. Prerequisite or Co-requisite: One graduate-level statistics course. Three lecture hours a week. Credit: Three hours.

HS 5053. Psychosocial Aspects of Health. Emphasis on theory, research, and application of the interrelationships of the social and psychological aspects of health and wellness, including concepts of stress management and the impact of organizational factors. Three lecture hours a week. Credit: Three hours.

HS 5063. Aging and Health. Aging as part of the life cycle; special health concerns of the elderly; current life extending research and technology for successful aging. Three lecture hours a week. Credit: Three hours.

HS 5103. Principles and Methods of Teaching Health Professionals. Development of classroom and clinical teaching competencies with emphasis on identification of resources, planning and implementation of instructional units, and instructional strategies for health professionals. Three lecture hours a week. Credit: Three hours.

HS 5113. Curriculum Development for Health Professionals. Theoretical concepts of curricular design; identification and implementation of unique factors that determine health curricula. Three lecture hours a week. Credit: Three hours.

HS 5343. Risk Reduction. Identification and analysis of risk-taking behaviors and application of health risk assessment theory, tools, data sources, and methodology. Use of risk assessments, demographic data, and behavior-change theories to determine appropriate health risk reduction and health enhancement strategies for various populations and settings. Three lecture hours a week. Credit: Three hours.

HS 5353. Epidemiology. Study of disease occurrence in human populations and the understanding of the various methods used in the study of disease. Prerequisite: A disease process course. Three lecture hours a week. Credit: Three hours.

HS 5363. Population Health. Dimensions of population health; application of community health concepts through the use of multicultural approaches; effective capacity building in coalitions and other populations. Community health agency organization, role, and structure. Three lecture hours a week. Credit: Three hours.

HS 5383. Program Development and Coordination. Development and evaluation of community and worksite health education programs. Review of approaches to program design, criteria for content selection, writing of programs, and community resources and support. Prerequisite: HS 5423. Three lecture hours a week. Credit: Three hours.

HS 5413. Current Issues in Health Studies. Introduction to the professions of health science and allied health: role, credentialing, ethics, journals, associations and organizations, leaders in the field, and current and future trends in health science. Three lecture hours a week. Credit: Three hours.

HS 5423. Ethnic and Cultural Factors in Health Decisions. Consideration of major chronic, degenerative, and communicable diseases in light of socio-cultural influences; exploration of myths and misconceptions in ethnic groups and the related health implications; alternative strategies for minorities to improve health through education. Three lecture hours a week. Credit: Three hours.

HS 5453. Community-Based Health Informatics. Use of informatics to promote community health; basic technological tools needed to develop and manage public health data collection systems that meet analytical needs of community-based organizations. Three lecture hours a week. Credit: Three hours.

HS 5563. Consumer Health. Information concerning health care products, services, and consumer protection. Strategies for effective delivery of information to the public concerning consumer health related products and problems. Three lecture hours a week. Credit: Three hours.

HS 5613. Worksite Health Promotion. Design and management of effective worksite health promotion programs; organizational aspects of healthy work environments; critical issues related to health behavior change and intervention programs in the workplace setting. Three lecture hours a week. Credit: Three hours.

HS 5703. Applied Statistics for Health Educators. Descriptive and inferential statistics utilized by health educators; selection of appropriate statistical tests for specific health research problems. Critical evaluation of statistics used in published health studies. Development of terminology and skills for communicating statistical concepts. Three lecture hours a week. Credit: Three hours.

HS 5773. Social and Organizational Issues in Health Informatics. Overview of social and organizational challenges in health informatics. Development of decision-making strategies about access to and use of health informatics for research and public health. Development of ethical decision-making guidelines and tools for the role of health information management in organizations. Three lecture hours a week. Credit: Three hours.

HS 5803. Writing for Health Studies. Concepts and techniques for effective writing practices within the field of Health Studies. Analysis of professional writing and strategies to improve written communication in a range of writing genres (basic correspondence, essays, literature reviews, abstracts, research-based writing). Three lecture hours a week. Credit: Three hours.

HS 5901. Special Topics. Concentrated study of a particular topic in health education. May be repeated for credit when topic varies. One lecture hour a week. Credit: One hour.

HS 5903. Special Topics. Concentrated study of a particular topic in health education. May be repeated for credit when topic varies. Three lecture hours a week. Credit: Three hours.

HS 5911. Independent Study. Advanced study in a selected area of health education leading to the solution of a problem of professional interest and significance. May be repeated for additional credit when topic varies. Credit: One hour.

HS 5913. Independent Study. Advanced study in a selected area of health education leading to the solution of a problem of professional interest and significance. May be repeated for additional credit when topic varies. Credit: Three hours.

HS 5923. Capstone in Informatics. Culminating organization and/or community-based interdisciplinary/interprofessional project supported through informatics and technology and applied to a specific domain to demonstrate knowledge and skills acquired in the informatics program. Immersive, investigative, and reflective opportunity for deep study on a selected area of practice/application domain. Prerequisite: Completion of 24 semester credit hours. Three seminar hours a week. Credit: Three hours.

HS 5983. Thesis. Credit: Three hours.

HS 5993. Thesis. Prerequisite: HS 5983. Credit: Three hours.

HS 6043. Methods in Health Education Research. Review of library skills and writing style, reading and interpreting of research, research planning and design, methodologies, and research reporting as they relate to dissertation prospectus preparation in health education; advanced research skills and health behavior research; appropriate selection of qualitative versus quantitative methodologies; community-based participatory research. Prerequisites: HS 5013, HS 6483, HS 6073, and six hours of statistics. Three lecture hours a week. Credit: Three hours.

HS 6053. Qualitative Research Methods in Health Studies. An overview of epistemological and theoretical perspectives underlying qualitative methods in health science research; techniques for gathering and analyzing qualitative data; and issues relative to publishing qualitative research in health science. Prerequisite: HS 6043. Three lecture hours a week. Credit: Three hours.

HS 6073. Seminar in Health Education. Capstone course that draws from skills learned in other courses throughout the program; synthesis of theory and methods of health education; needs assessment and program planning; implementation; and evaluation into advanced application through grant writing activities; seven areas of responsibility of a graduate level health education specialist. Prerequisites: HS 5423, HS 6453, and HS 5383. Co-requisite: HS 6483. Three seminar hours a week. Credit: Three hours.

HS 6353. Social Epidemiology. Epidemiological methods with focus on social determinants of diseases, including the theoretical foundation and processes involved in conducting social epidemiological research. Prerequisite: HS 5353 or permission of instructor. Three lecture hours a week. Credit: Three hours.

HS 6403. Environmental Health. Basic principles of ecology as they apply to the health of human beings; analysis of modern developments in technology and science and their resultant effects on human beings; development of community efforts in establishing environmental quality. Three lecture hours a week. Credit: Three hours.

HS 6423. Global Health. Health status, health delivery systems, and health policy issues affecting human populations around the world; roles of selected international organizations in advancing the health status of certain populations. Three lecture hours a week. Credit: Three hours.

HS 6433. History of Health and Medicine. Significant historical events with emphasis upon ideas, personalities, institutions, and cultural factors of each era as they affected the origin and development of health education. Three lecture hours a week. Credit: Three hours.

HS 6443. Foundations of Health Science. Introduction of theories and concepts related to health science. Includes rational, psychodynamic, and behavioral theories from education, psychology, and sociology. Applications of theory to health education practice and research. Three lecture hours a week. Credit: Three hours.

HS 6453. Strategies in Health Education Delivery. Identification of the various entities within the health education system which influence decisions about accepting health information and changing unhealthful lifestyles. Development of strategies for effective utilization of health information. Prerequisite: HS 5423. Three lecture hours a week. Credit: Three hours.

HS 6483. Evaluation in Health Education. Evaluative tools for individuals, groups, and programs in health education; methods for selecting instruments and collecting data; advanced interpretation and reporting evaluation results through a formal evaluation plan. Prerequisites: HS 5353, HS 5383, HS 5423, and HS 6443. Co-requisite: HS 6453. Three lecture hours a week. Credit: Three hours.

HS 6563. Health Advocacy and Leadership. Exploration of advocacy, including building coalitions, creating media messages, meeting with decision-makers, and impacting health policy. Three lecture hours a week. Credit: Three hours.

HS 6901. Special Topics. Concentrated study of a particular topic of current interest in health education. May be repeated for credit when topic varies. One lecture hour a week. Credit: One hour.

HS 6903. Special Topics. Concentrated study of a particular topic of current interest in health education. May be repeated for credit when topic varies. Three lecture hours a week. Credit: Three hours.

HS 6911. Independent Study. Individual study in health studies leading to the solution of a problem of professional interest and significance. May be repeated for credit. Credit: One hour.

HS 6913. Independent Study. Individual study in health studies leading to the solution of a problem of professional interest and significance. May be repeated for credit. Credit: Three hours.

HS 6983. Dissertation. Credit: Three hours.

HS 6993. Dissertation. Prerequisite: HS 6983. Credit: Three hours.

Faculty

Associate Professors

MASSEY-STOKES, MARILYN, Associate Professor of Health Studies. B.S., Southwestern Oklahoma State University; M.Ed., Southwestern Oklahoma State University; Ed.D., Oklahoma State University.

PARKER, KIMBERLY A., Associate Professor of Health Studies. B.S., South Carolina State University; M.P.H., University of South Carolina, Columbia; M.A., South Carolina State University; Ph.D., University of Georgia.

SHIPLEY, ROGER R., Associate Professor of Health Studies; Interim Chair of Health Studies. B.S., Western Maryland College; M.Ed., Western Maryland College; Ed.D., Temple University.

WIGINTON, KRISTIN L., Associate Professor of Health Studies. B.S.Ed., Baylor University; M.S.Ed., Baylor University; Ph.D., Texas Woman's University.

Assistant Professors

GOLMAN, MANDY A., Assistant Professor of Health Studies. B.A., University of Texas, Austin; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

MENN, MINDY, Assistant Professor of Health Studies. B.A., Texas A&M University; M.S., Texas A&M University; Ph.D., University of Florida, Gainesville.

Master of Science in Health Studies

Program Options

1. Thesis (42 semester credit hours)

   18 semester credit hours (required program courses), 9 semester credit hours (focal area courses), 9 semester credit hours (research tools), 6 semester credit hours (thesis)

2. Non-Thesis (36 semester credit hours)

   18 semester credit hours (required program courses), 12 semester credit hours (focal area courses), 6 semester credit hours (research tools)

3. Emphasis in Dental Hygiene (36 semester credit hours)

   18 semester credit hours (required program courses), 12 semester credit hours (Dental Hygiene focal), 6 semester credit hours (research tools)

Emphasis

9 semester credit hours (Thesis Option) or 12 semester credit hours (Non-Thesis Option) from one of three focal areas offered among higher education, community/population health, or work-site health (except for Dental Hygiene).

Residence Requirement

None for Non-Thesis/Dental Hygiene Option. For Thesis Option, campus visits are required to defend prospectus and again to defend final thesis.

Prerequisites or Co-requisites

1. Undergraduate degree from accredited university
2. Successful completion of new student online orientation within the first year.

Final Examination

For thesis option the defense of thesis; for non-thesis/Dental Hygiene option a written comprehensive core project on the core coursework is required. The project will be included as a portion of HS 5383. Final Project passing grade will be a minimum of 80%. The course may be repeated once if the minimum passing grade is not achieved.

Master of Science in Health Studies Program of Study (36 or 42 semester credit hours)

Thesis Option (42 semester credit hours)

Required Courses		
HS 5413	Current Issues in Health Studies	3
HS 5353	Epidemiology	3
HS 6443	Foundations of Health Science	3
HS 5423	Ethnic and Cultural Factors in Health Decisions	3
HS 5383	Program Development and Coordination	3
HS 6453	Strategies in Health Education Delivery	3
Focal Area		

9 semester credit hours from one of the following Focal Areas: Practicum is not Required		9
Higher Education		
HS 5113	Curriculum Development for Health Professionals	
HS 5103	Principles and Methods of Teaching Health Professionals	
Leadership Elective (speak with advisor)		
Community/Population Health		
HS 5363	Population Health	
HS 5053	Psychosocial Aspects of Health	
Leadership Elective (speak with advisor)		
Worksite Health		
HS 5613	Worksite Health Promotion	
HS 5343	Risk Reduction	
Leadership Elective (speak with advisor)		
Research Tools		
HS 5013	Data Collection and Analysis	3
HS 5023	Methods in Health Education Research	3
Select one from the following:		3
PSY 5304	Advanced Psychological Statistics I	
KINS 5033	Applied Statistical Principles	
HS 5703	Applied Statistics for Health Educators	
MATH 5573	Statistical Methods I	
Thesis		
HS 5983	Thesis (during semester prospectus meeting is scheduled)	3
HS 5993	Thesis (every semester chair advises defense)	3
Total Semester Credit Hours		42

Non-Thesis Option (36 semester credit hours)

Required Courses		
HS 5413	Current Issues in Health Studies	3
HS 5353	Epidemiology	3
HS 6443	Foundations of Health Science	3
HS 5423	Ethnic and Cultural Factors in Health Decisions	3
HS 5383	Program Development and Coordination	3
HS 6453	Strategies in Health Education Delivery	3
Focal Area		
Select 12 semester credit hours from one of the following Focal Areas:		12
Higher Education		
HS 5113	Curriculum Development for Health Professionals	
HS 5103	Principles and Methods of Teaching Health Professionals	
Leadership Elective (speak with advisor)		
HS 5003	Practicum in Health Education	
Community/Population Health		
HS 5363	Population Health	
HS 5053	Psychosocial Aspects of Health	
Leadership Elective (speak with advisor)		
HS 5003	Practicum in Health Education	
Worksite Health		
HS 5613	Worksite Health Promotion	
HS 5343	Risk Reduction	
Leadership Elective (speak with advisor)		
HS 5003	Practicum in Health Education	
Research Tools		

HS 5013	Data Collection and Analysis	3
Select one from the following:		3
PSY 5304	Advanced Psychological Statistics I	
KINS 5033	Applied Statistical Principles	
HS 5703	Applied Statistics for Health Educators	
MATH 5573	Statistical Methods I	
Total Semester Credit Hours		36

Master of Science in Health Studies (emphasis in Dental Hygiene) Program of Study (36 semester credit hours)

Required Courses		
HS 5413	Current Issues in Health Studies	3
HS 5353	Epidemiology	3
HS 6443	Foundations of Health Science	3
HS 5423	Ethnic and Cultural Factors in Health Decisions	3
HS 6453	Strategies in Health Education Delivery	3
HS 5383	Program Development and Coordination	3
Dental Hygiene		
HS 5903	Special Topics (Dental Hygiene)	3
HS 5903	Special Topics (Global Oral Health)	3
HS 5903	Special Topics (Alternative Dental Hygiene Careers)	3
HS 5903	Special Topics (Dental Hygiene Educational Methodology)	3
Research Tools		
HS 5013	Data Collection and Analysis	3
HS 5703	Applied Statistics for Health Educators	3
Total Semester Credit Hours		36

Dual Degree: Master of Science in Health Studies and Master of Library Science

Total Semester Credit Hours Required

54 semester credit hours consisting of:

- 21 semester credit hours of Library Science courses
- 24 semester credit hours of Health Studies courses
- 9 semester credit hours of Dual Degree courses

Residence Requirement

Successful completion of new HS student online orientation during the first year in the program.

Prerequisites or Co-requisites

A bachelor’s degree from accredited regional university.

Final Examination

Health Studies: A written comprehensive core project on the core coursework is required. The project will be included as a portion of HS 5383. Final Project passing grade will be a minimum of 80%. The course may be repeated once if the minimum passing grade is not achieved.

Library Science: The SLIS Final Exam comprises submission of a professional portfolio, to be reviewed by the Final Exam Committee.

Dual Degree: Master of Science in Health Studies and Master of Library Science Program of Study (54 semester credit hours)

Code	Title	Semester Credit Hours
Required Library Science Courses		
LS 5083	Foundations of Library and Information Studies	3
LS 5053	Information Retrieval	3
LS 5043	Information and Communication Technology	3
LS 5003	Collection Development	3
LS 5363	Health Sciences Information Services Management	3
LS 5473	Health Reference Services and Resources	3
LS 5483	Consumer Health Information Resources	3
Required Health Studies Course		
HS 5413	Current Issues in Health Studies	3
HS 5353	Epidemiology	3
HS 6443	Foundations of Health Science	3
HS 5423	Ethnic and Cultural Factors in Health Decisions	3
HS 6453	Strategies in Health Education Delivery	3
HS 5383	Program Development and Coordination	3
HS 5013	Data Collection and Analysis	3
HS Elective (speak with advisor)		3
Dual Degree Requirements		
Graduate Level Statistics Course		3
HS 5023	Methods in Health Education Research	3
LS 5843	Practicum	3
Total Semester Credit Hours		54

Doctor of Philosophy in Health Studies

Total Semester Credit Hours Required

96 semester credit hours.

Interdisciplinary Studies and/or Transferred Semester Credit Hours

Up to 39 semester credit hours of interdisciplinary study and/or semester credit hours transferred from the master's degree.

Departmental Required Curriculum

24 semester credit hours of Health Studies required course work.

Emphasis/Focal

9 semester credit hours from one of three focal areas: higher education, population health, or environmental health.

Research Tools

6 semester credit hours of research methods and 6 semester credit hours of statistics. Students pursuing research in qualitative research must also take a qualitative research methods course in addition to these 6 semester credit hours.

Electives

6 semester credit hours of electives (consult with advisor)

Dissertation

6 semester credit hours of dissertation work with committee chair

Prerequisites or Co-requisites

1. A prior degree in health education, health promotion, public health, or community health or HS 5413;
2. HS 5003 must be taken after program required courses are completed or the student must sit for the CHES certification;
3. three semester credit hours of graduate-level research methods; and
4. new doctoral program students will be required to successfully complete an orientation within the first year.

Qualifying Examination

Candidates for the doctoral degree must pass a three-part qualifying exam, consisting of:

1. a multiple-choice statistics and research design examination,
2. a written multiple-question essay examination; and
3. an oral examination based on the candidate's written responses in the essay examination.

The written essay and oral portions of the examination will be permitted only when the candidate has successfully completed all coursework and the statistical exam has been successfully completed. The exams may be repeated only once. A student who fails a second qualifying exam will be removed from the Health Studies doctoral program.

Final Examination

Successful oral defense of dissertation.

Minor (if sought by student)

12 to 18 semester credit hours (Department in which the minor is sought will determine the total hours required)

Doctor of Philosophy in Health Studies Program of Study (96 semester credit hours)

Prerequisite - may not count as an elective		
HS 5413	Current Issues in Health Studies (if no degree in Health Education, Health Promotion, Health Behavior, Community Health, or Public Health)	
Co-requisite		
HS 5003	Practicum in Health Education (if no CHES certification)	
Interdisciplinary Studies and/or Transferred Hours (if approved)		39
Required Courses		
HS 6353	Social Epidemiology	3
HS 6443	Foundations of Health Science	3
HS 5423	Ethnic and Cultural Factors in Health Decisions	3
HS 6563	Health Advocacy and Leadership	3
HS 5383	Program Development and Coordination	3
HS 6453	Strategies in Health Education Delivery	3
HS 6483	Evaluation in Health Education	3
HS 6073	Seminar in Health Education	3
Emphasis Area		
Select one of the following Emphasis Areas:		9
Higher Education		
HS 6433	History of Health and Medicine	
HS 5103	Principles and Methods of Teaching Health Professionals	
HS 5113	Curriculum Development for Health Professionals	
Population Health		
HS 6423	Global Health	
HS 5053	Psychosocial Aspects of Health	
HS 5363	Population Health	
Environmental Health		
HS 6403	Environmental Health	
HS 5343	Risk Reduction	
Independent Study or Practicum in Environmental Health		
Electives		

Select two electives from Health Studies in consultation with advisor		6
Research Tools		
Level 1 select 3-4 semester credit hours from the following:		3
HS 5703	Applied Statistics for Health Educators	
FS 5903	Special Topics	
PSY 5304	Advanced Psychological Statistics I	
KINS 5033	Applied Statistical Principles	
Level 2 select 3-4 semester credit hours from the following:		3
FS 6873	Applied Multivariate Statistics for Family Sciences	
PSY 6204	Advanced Psychological Statistics II	
KINS 6043	Statistical Inference	
Tool Two Research Methods		
HS 5013	Data Collection and Analysis	3
HS 6043	Methods in Health Education Research	3
Dissertation		
HS 6983	Dissertation	3
HS 6993	Dissertation	3
Total Semester Credit Hours		96

Department of Kinesiology

Web Site: http://www.twu.edu/kinesiology/

Interim Co-Chairs: *David Nichols, Professor; Kyle Biggerstaff, Associate Professor*
Location: *Pioneer Hall 208*
Phone: *940-898-2575*
Fax: *940-898-2581*
E-mail: *dnichols@twu.edu; kbiggerstaff@twu.edu*

Graduate Degrees Offered

- M.S. in Kinesiology (p. 271) (with instruction available in the support areas of Sport Management, Biomechanics, Exercise Physiology, Adapted Physical Education, and Coaching)
- M.S. in Exercise and Sports Nutrition (p. 270)
- Ph.D. in Kinesiology (p. 272) (with instruction available in the support areas of Adapted Physical Education, Sport Management, Biomechanics, and Exercise Physiology)

Graduate courses in the Department of Kinesiology are designed to provide qualified individuals with the opportunity to pursue advanced study beyond the baccalaureate level. Objectives in the degree programs are:

1. to ensure that students have a broad philosophical, educational, and scientific background on which to base their work as professionals;
2. to acquaint students with current thinking, practices, trends, and problems related to physical education and kinesiology;
3. to prepare students to assume leadership roles in educational, industrial, business, public, or private agency settings;
4. to provide students with the evaluative, statistical, research methodologies, and critical thinking strategies that will enable them to contribute to the advancement of the field; and
5. to offer sequences of coursework leading to specialization in a particular subdiscipline of kinesiology.

The particular objective of non-degree graduate study is to provide personal and professional enrichment opportunities for the individual. For the persons who wish to become qualified to teach in the public schools of Texas, a certification program is also available. See the General Catalog for requirements.

Facilities for Graduate Instruction and Research

The Pioneer Hall was completed in the Spring of 1998. This state-of-the-art facility contains accessible classrooms, multimedia centers, dance studios, laboratories, a large gymnasium, an 8-lane natatorium, an indoor track, a weight training room, an athletic training room, racquetball courts, climbing wall, dressing rooms, and administrative and faculty offices.

Biomechanics, exercise physiology, biochemistry, and motor behavior/pedagogy laboratories have been dedicated specifically for teaching and research. These well equipped facilities permit research studies on persons with and without disabilities in the areas of stress testing, body composition assessment, bone density, cardiovascular respiratory analysis, blood biochemistry analysis that includes glucose, lactate, insulin, C-peptide, and a variety of other hormones and metabolites; isokinetic, isometric, and isotonic strength testing; anthropometry; telemetry; and high speed motion analysis, among others. Portable and online computer capabilities facilitate analysis of digital kinetic and kinematic data gathered with a three-dimensional high speed video system, electromygraphic equipment, and electronic forceplates. Computerized data collection and analysis systems are available for motor learning studies.

Outdoor facilities include playing fields, tennis courts, softball diamond, a swimming pool, and soccer field.

Computer facilities of the University are extensively utilized by the department programs as are the many other fine features of the campus and Metroplex, including the Cooper Aerobic Center and the Tom Landry Center.

Admissions

Admission Requirements

Please see the admission section (p. 56) of this catalog. In addition to these general requirements, the Department of Kinesiology requires the following.

All written materials (application, transcripts, letters of recommendation, vita, statement of intent, and designation of an area of specialization) need to be submitted according to the following deadlines:

- For admission for the following fall semester – July 15
- For admission for the following spring semester – November 1
- For admission for the following summer semester – April 1

- International students are admitted only in the fall (deadline is March 1) or spring (deadline is July 1) semesters. Admission documents for international students must be submitted by the deadline stated on the Office of International Education Website (http://www.twu.edu/international-education).

The application and transcripts are submitted to the Office of Admissions Processing (http://www.twu.edu/admissions-processing). The remaining written materials to be presented by graduate degree-seeking individuals are to be submitted to the Graduate Coordinator of the Department of Kinesiology (http://www.twu.edu/kinesiology).

Master of Science in Kinesiology

1. The applicant will submit two satisfactory letters of recommendation that may include one from the last employer if the student has had work experience and one from the last school attended.
2. For applicants without an undergraduate degree in kinesiology, undergraduate prerequisites may be required. Each specialization will determine the appropriateness of additional requirements for the student.
3. The applicant will submit a vita/resume with special emphasis on training and work experience in kinesiology or related areas.
4. The applicant will specify an area of specialization (Adapted Physical Education, Biomechanics, Coaching, Exercise Physiology, or Sport Management).
5. Any applicant may submit additional materials that they deem appropriate to his/her application.
6. The appropriate faculty admissions committee will review the total application.

Master of Science in Exercise and Sports Nutrition

The Master's of Science in Exercise and Sports Nutrition program is administered through the Department of Nutrition and Food Sciences (p. 275).

Doctor of Philosophy in Kinesiology

1. The applicant will submit three satisfactory letters of recommendation that may include one from the last employer if the student has had work experience and others from the last school attended.
2. For applicants without an undergraduate degree in kinesiology, undergraduate prerequisites may be required. Each specialization will determine the appropriateness of additional requirements for the student.
3. The applicant will submit a vita with special emphasis on training and work experience in kinesiology or related areas.
4. The applicant will submit a statement of intent that briefly describes his/her background, personal growth and development, future goals, and reasons for applying to the Department of Kinesiology doctoral program.
5. The applicant will specify an area of specialization (Adapted Physical Education, Sport Management, Biomechanics, Exercise Physiology).
6. The applicant will have a formal interview with the Doctoral Admission Committee (or its designated representatives).
7. Students who have not written a master's thesis will complete an original research project with an individual faculty member during the first year in the doctoral program. A total of 3 semester credit hours may be earned.
8. Any applicant may submit additional materials that they deem appropriate to his/her application.
9. The appropriate Doctoral Admissions Committee will review the total application and forward their decision to the Graduate Coordinator.

Certificates

Certificates in Kinesiology

- Post-Baccalaureate Certificate in Adapted Physical Education (p. 273)
- Post-Baccalaureate Certificate in Leadership in Education and Sport (p. 273)

Minors

Minors Offered to Students from Other Departments

A minor is offered to doctoral students within each of the four specializations in the doctoral program in Kinesiology: Adapted Physical Education, Administration, Biomechanics, and Exercise Physiology. Students wishing to pursue a minor in Kinesiology should meet with a faculty member from the chosen area of specialization to determine the appropriate coursework. Undergraduate prerequisites may be necessary depending on the specialization chosen. A minimum of 12 semester credit hours is required for the minor.

Courses

KINS 5023. Methods of Research. Types of research; development of research designs; procedures for collection and treatment of data; application of introductory statistics for planning research designs, analyzing data, and interpreting findings; critical analysis of research. Three lecture hours a week. Credit: Three hours.

KINS 5033. Applied Statistical Principles. Statistical principles and their applications to problems in kinesiology and other related areas. Three lecture hours a week. Credit: Three hours.

KINS 5113. Professional Internship in Sport Management. Application of sport management knowledge in varied environments under the supervision of a mentor. Completion of 120 clock hours of experience required. Eight practicum hours a week. Credit: Three hours.

KINS 5123. Professional Affiliation. Practicum experience in educational, clinical, or recreational settings. A minimum of nine hours a week will be spent in the practicum setting. Two semesters are required of students specializing in adapted and developmental physical education. Nine laboratory hours a week. Credit: Three hours.

KINS 5203. Theory of Coaching. Theoretical base with practical application for teaching sport and sport skills; sport coaching responsibilities including developing a coaching philosophy and establishing an effective coaching style; effective communication, management responsibilities, skill development, sport physiology, and productive planning. Designed for coaches at all levels and for all sports. Three lecture hours a week. Credit: Three hours.

KINS 5243. Sport Injury Prevention and First Aid. Recognition and emergency treatment of sports injuries; roles, responsibilities, and limitations of coaches concerning sport injuries; prevention of and response to sports injury; developing a medical emergency plan; includes CPR certification. Three lecture hours a week. Credit: Three hours.

KINS 5253. Organization and Administration for Effective Team Management. Organization and administration of staff, budgeting, personnel, and effective team function. Topics include risk management, recruiting, safety positive learning environment, technology, and legal concerns. Three lecture hours a week. Credit: Three hours.

KINS 5263. Sport Psychology. Sport psychology principles utilized in a coaching environment; enhancing athletic performance through psychological assessment and goal setting; coach-athlete relationships; various psychological problems of athletes. Three lecture hours a week. Credit: Three hours.

KINS 5273. Sport Conditioning and Nutrition. Planning and monitoring strength and conditioning training programs by coaches; development of resistance training programs to improve sport performance; nutritional concepts tailored for athletes in any sport. Three lecture hours a week. Credit: Three hours.

KINS 5293. Technical Skills Analysis. Sport skill analysis; use of biomechanical principles to analytical sport movement; effective communication, feedback, and cues for skill teaching. Three lecture hours a week. Credit: Three hours.

KINS 5303. Coaching Tactical Skills. Competitive tactics and strategies for all sports; analysis of tactical skills and games approach strategies; developing effective practice plans; developing effective decision making for athletes. Three lecture hours a week. Credit: Three hours.

KINS 5413. The Sport Industry. Sport-related industries and organizations; examination of dimensions of structure, design processes, theories, and behaviors related to the sport domain. Three lecture hours a week. Credit: Three hours.

KINS 5423. Governance, Policy Development, and Ethics in Sport. Ethical issues, theory, and decision making as applied to the sport industry. Analysis of governance structures and policy development utilized within sport agencies with an emphasis on the organizational structure, strategic management, ethics, politics, policy, and influence of governing bodies. Three lecture hours a week. Credit: Three hours.

KINS 5433. Sport Promotion and Publicity. Principles of organizing and promoting events and activities associated with the sport industry. Three lecture hours a week. Credit: Three hours.

KINS 5443. Sport for Development. Social issues, sport for development, and the use of sport as a means of improving individuals and local and global communities. Examination of social development goals and program theory, development, and assessment with emphasis on sport intervention, volunteerism, and evidence-based decision making. Three lecture hours a week. Credit: Three hours.

KINS 5453. Financing the Sport Enterprise. Funding principles and financial practices in the organization and operation of a sport enterprise. Three lecture hours a week. Credit: Three hours.

KINS 5463. Legal Issues in Sport. Application of legal theories to the sport industry with specific focus on tort law, constitutional law, contract law, negligence and risk management, and Title IX. Three lecture hours a week. Credit: Three hours.

KINS 5473. Sport Media and Stakeholder Relations. Application of communication and sport information practices to the sport enterprise; examination of persuasion techniques and strategies for the sport enterprise with a special focus on key stakeholders. Three lecture hours a week. Credit: Three hours.

KINS 5483. Sport Sales, Sponsorship, and Fundraising. The application of ticketing and sponsorship sales strategies to the sport industry. Examination of sport sponsorship retention strategies and sponsorship evaluation methods in sport. Three lecture hours a week. Credit: Three hours.

KINS 5513. Mechanical Analysis of Human Motion. Kinematics and kinetics of human motion with emphasis on the principles describing human motion and the effects of external and internal forces on the human body and motion. Three lecture hours a week. Credit: Three hours.

KINS 5553. Advanced Exercise Physiology. Energy production and control of energy systems; effect of lactate accumulation during exercise; control of the cardiovascular system; adaptations to aerobic and anaerobic exercise training; influence of drugs on exercise performance. Prerequisite: An undergraduate course in exercise physiology. Three lecture hours a week. Credit: Three hours.

KINS 5573. Graded Exercise Testing. Administration and evaluation of graded exercise tests and electrocardiograph results. Two lecture and three laboratory hours a week. Credit: Three hours.

KINS 5583. Hormonal Responses during Exercise. Hormonal control of fuel mobilization and utilization during exercise; effect of exercise on catecholamine, insulin, glycogen, and steroid hormone response; effect of exercise on hormonal response of women. Three lecture hours a week. Credit: Three hours.

KINS 5603. Growth and Perceptual Motor Development for Individuals with Low Incidence Disabilities. Hereditary and environmental determinants of motor development; perceptual motor behavior in infants, children, adolescents, adults, and senior citizens; characteristic changes in size, body build, fitness, and motor performance. Focus on universal design for learning and instruction. Development of competencies directed toward achievement of the Adapted Physical Education National Standards (APENS). Three lecture hours a week. Credit: Three hours.

KINS 5613. Cardiovascular Response to Exercise. General and specific effects of exercise upon the cardiovascular system of the human body, with emphasis upon research techniques relevant to the testing of these systems. Two lecture and three laboratory hours a week. Credit: Three hours.

KINS 5683. Exercise Evaluation and Prescription. Measurement of health-related physical fitness and exercise capacity in healthy individuals and populations requiring special considerations; population-appropriate exercise prescription; underlying physiological mechanisms controlling physical fitness and exercise capacity. Prerequisite: Undergraduate course in exercise physiology. Two lecture and two laboratory hours a week. Credit: Three hours.

KINS 5723. Sport in American Society. Role of sports and games in American culture as expressive of meanings and values; cognizance of the feminine role in sports; contributions of sports and games to human welfare. Three lecture hours a week. Credit: Three hours.

KINS 5763. Systematic Observation in Physical Education and Sport. Variables affecting physical education and sport instruction. Systematic observation techniques for analyzing teaching, coaching, and learning behaviors. Three lecture hours a week. Credit: Three hours.

KINS 5783. Learning and Teaching Styles in Physical Education and Sport. Learning and teaching styles to promote physical and sport performance. Techniques for analyzing and enhancing learning environments. Three lecture hours a week. Credit: Three hours.

KINS 5793. Pedagogy I: Behavior Management in APE Environments. Techniques of effectively managing behavior and promoting learning of individuals of all ages and levels of abilities who have disabilities and are at risk. Underlying theories and research applications. Three lecture hours a week. Credit: Three hours.

KINS 5813. Research in Kinesiology. Individualized research in a specific area of kinesiology. May be repeated for additional credit. Eight laboratory hours a week. Credit: Three hours.

KINS 5843. Pedagogy III: APA and the APENS Theory to Practice. Assessment, planning, and implementation of evidence-based physical education classes for students with low-incidence disabilities. Focus on competencies guided by the Adapted Physical Education National Standards (APENS). Three lecture hours a week. Credit: Three hours.

KINS 5853. Assessment in Adapted Physical Education. Conditions which impede psychomotor functioning; application and evaluatation of assessment instruments pertaining to the motor domain; determination of educational placement; role of the physical educator for the Admission, Review, and Dismissal (ARD) / Individualized Education Program (IEP) Committee; and development of Full Individual Evaluation (FIE) and appropriate goals and objectives for the IEP. Focus on evidence-based research and universal design for learning and instruction. Development of competencies directed toward achievement of the Adapted Physical Education National Standards (APENS). Three lecture hours a week. Credit: Three hours.

KINS 5863. Pedagogy II: Instructional Strategies in APE Environments. Selecting and presenting appropriate intervention strategies for individuals with varying disabling conditions. Techniques for modifying environmental conditions to increase attending behaviors. Three lecture hours a week. Credit: Three hours.

KINS 5883. APA II: Disability Sport and Fitness. Developmental and competitive sports in school/community settings; Paralympics, Special Olympics, and deaf sport; wheelchair and ambulatory sports for all groups/ability levels; assessment, athletic training, coaching, organization, and administration. Three lecture hours a week. Credit: Three hours.

KINS 5903. Special Topics. Specially scheduled course on topic of current interest. May be repeated for additional credit when topic varies. Three lecture hours a week. Credit: Three hours.

KINS 5911. Independent Study. Study of a specific topic in physical education leading to the solution of a problem of interest to the profession or the student. May be repeated for additional credit. Prerequisite: Permission of the instructor. Credit: One hour.

KINS 5913. Independent Study. Study of a specific topic in physical education leading to the solution of a problem of interest to the profession or the student. May be repeated for additional credit. Prerequisite: Permission of the instructor. Credit: Three hours.

KINS 5963. APA I: Disability Sport and Fitness Populations. Fitness assessment, program development, and implementation for individuals with disabilities and/or related conditions in a clinical setting leading to preparation for the Certified Inclusive Fitness Trainer Exam (CIFT). Two lecture and two laboratory hours a week. Credit: Three hours.

KINS 5973. Professional Paper and Project. Credit: Three hours.

KINS 5981. The Professional Portfolio. Development of a professional portfolio by students in the Master of Arts in Teaching program demonstrating the student's growth in the Learner-Centered Competencies. Pass-fail grade only. May be repeated. Credit: One hour.

KINS 5983. Thesis. Prerequisite: KINS 5023 or equivalent. Credit: Three hours.

KINS 5993. Thesis. Prerequisite: KINS 5983. Credit: Three hours.

KINS 6043. Statistical Inference. Application of analysis of variance and covariance, factorial analysis of variance, and multiple regression to research design problems in Kinesiology and other related areas. Special emphasis will be given to repeated measures designs used in conjunction with between subjects designs, as well as to multivariate designs. Prerequisite: KINS 5033 or equivalent. Three lecture hours a week. Credit: Three hours.

KINS 6113. Seminar. Informal, individual, or small group study of a special problem or current issue in physical education. May be repeated for additional credit. Three seminar hours a week. Credit: Three hours.

KINS 6133. Professional Internship. Guided field experience in administrative, supervisory, consultant, or similar level positions. Field experiences may not be part of the student's regular job responsibilities. May be repeated for three additional credit hours. One lecture and eight practicum hours a week. Credit: Three hours.

KINS 6143. Research Design in Kinesiology. Considerations of research designs with emphasis upon statistics involving multi-group models. Prerequisites: KINS 5023, KINS 5033, and KINS 6043; or permission of instructor. Three lecture hours a week. Credit: Three hours.

KINS 6413. Research Seminar in Sport Management. Research intensive doctoral seminar analyzing the sport industry. Prerequisite: KINS 5413. Three lecture hours a week. Credit: Three hours.

KINS 6423. Research Seminar in Sport Promotion and Sponsorship. Research intensive doctoral seminar analyzing the field of sport promotion and sport sponsorship. Three lecture hours a week. Credit: Three hours.

KINS 6443. Research Seminar in Electronic Sport Information. Research intensive doctoral examination of electronic sport information as it relates to sport management. Three lecture hours a week. Credit: Three hours.

KINS 6523. Advanced Biomechanics. Advanced biomechanical issues such as inertial properties of the human body, mathematical body modeling, numerical methods in biomechanics, advanced joint kinematics and kinetics, and musculoskeletal modeling. Prerequisite: KINS 5513. Three lecture hours a week. Credit: Three hours.

KINS 6611. College Level Instructional Design and Delivery in Kinesiology. Design and implement course, instructional strategies, and evaluation techniques. Prerequisite: Master's degree in Kinesiology or advisor approval. Three laboratory hours a week. Credit: One hour.

KINS 6623. Biomechanical Analysis I: Motion Analysis. Advanced motion and analysis techniques including human body modeling, high-speed videography, manual and automatic marker tracking, data reduction and processing, 2- and 3-dimensional analysis, inverse dynamics, and computer procedures. Prerequisite: KINS 5513 or approval of instructor. Two lecture and two laboratory hours a week. Credit: Three hours.

KINS 6643. Biomechanical Analysis II : Data Acquisition and Instrumentation. Advanced data acquisition issues including A/D conversion, device interface, programming, force plate and ground reaction force analysis, electrode placement and EMG analysis, EMG normalization and force processing, and biomechanical instrumentation. Prerequisite: KINS 6623. Two lecture and two laboratory hours a week. Credit: Three hours.

KINS 6711. Advanced Research in Adapted Physical Activity Doctoral Seminar. Research involving development of scholarship (manuscripts, presentations, and grants) to share with other researchers. Variable content will be related to problems of professional significance. Prerequisite: Master's degree in Kinesiology or consent from student's program advisory committee chair. One seminar hour a week. Credit: One hour.

KINS 6811. Advanced Research in Kinesiology. In-depth research involving literature review, identification of research question, research design, development of research tools and analysis protocols, data collection and analysis, report writing, and presentation. May be repeated for additional credit. Credit: One hour.

KINS 6813. Advanced Research in Kinesiology. Kinesiology research involving literature review, identification of the research question, research design, development of research tools and analysis protocols, data collection and analysis, manuscript writing, and presentation. May be repeated for additional credit. Eight laboratory hours a week. Credit: Three hours.

KINS 6821. Research in Exercise Physiology. Research in exercise physiology involving literature review, identification of the research questions, research design, laboratory techniques, data collection and analysis, manuscript writing, and presentation. May be repeated for additional credit. Credit: One hour.

KINS 6853. Practicum: Appraisal in Adapted Physical Education. Administration of tests of psychomotor functioning; interpretation of findings; writing the I.E.P.'s; participation in multidisciplinary staffing. May be repeated for up to six credit hours. Six practicum hours a week. Credit: Three hours.

KINS 6903. Special Topics. Specially scheduled course on topic of current interest. May be repeated for additional credit when topic varies. Three lecture hours a week. Credit: Three hours.

KINS 6911. Independent Study. Study of a specific topic in physical education leading to the solution of a problem of interest to the profession or the student. May be repeated for additional credit. Prerequisite: Permission of the instructor. Credit: One hour.

KINS 6913. Independent Study. Study of a specific topic in physical education leading to the solution of a problem of interest to the profession or the student. May be repeated for additional credit. Prerequisite: Permission of the instructor. Credit: Three hours.

KINS 6983. Dissertation. Credit: Three hours.

KINS 6993. Dissertation. Prerequisite: KINS 6983. Credit: Three hours.

Faculty

Professors

BEN-EZRA, VICTOR, Professor of Kinesiology. B.S., City University of New York City College; M.S., Springfield College; Ph.D., University of Maryland, College Park.

DAVIS, RONALD W., Professor of Kinesiology. B.S., University of Wisconsin, Oshkosh; M.S., University of Wisconsin, LaCrosse; Ph.D., Texas Woman's University.

KWON, YOUNG-HOO, Professor of Kinesiology. B.S., Seoul National University; M.Ed., Seoul National University; Ph.D., Pennsylvania State University, University Park.

MILOCH, KIMBERLY S., Professor of Kinesiology; Director of Quality Enhancement Programs. B.A., Southwest Texas State University; M.S., Baylor University; Ph.D., Florida State University.

NICHOLS, DAVID L., Professor of Kinesiology; Interim Co-chair, Department of Kinesiology. B.S., Central State University, Oklahoma; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

RAY, CHRISTOPHER T., Professor of Kinesiology; Dean of the College of Health Science. B.S., University of Tennessee; M.S. University of Tennessee; Ph.D., University of Georgia.

SENNE, TERRY A., Professor of Kinesiology; Director of Academic Assessment. B.S., George Williams College; M.S., University of Illinois, Chicago; Ph.D., North Carolina State University.

SILLIMAN-FRENCH, LISA M., Professor of Kinesiology. B.S., State University of New York College at Cortland; M.A., Texas Woman's University; Ph.D., Texas Woman's University.

Associate Professor

BIGGERSTAFF, KYLE D., Associate Professor of Kinesiology; Interim Co-chair, Department of Kinesiology. B.A., Southern Methodist University; M.S., University of North Texas; Ph.D., Florida State University.

Assistant Professors

BECKER, KEVIN, Assistant Professor of Kinesiology. B.S., University of Wisconsin-LaCrosse; M.S., Illinois State University; Ph.D., University of Tennessee-Knoxville.

DILLON, SUZANNA, Assistant Professor of Kinesiology. B.S., Alma College; M.A., Western Michigan University; Ph.D., Texas Woman's Univeristy.

MANN, MARK D., Assistant Professor of Kinesiology. B.A., Southwestern University; M.A., Southern Nazarene University; M.S., Nova Southeastern University; M.S., Pittsburg State University; Ed.D., Oklahoma State University; Ph.D., University of Arkansas.

RIGBY, BRANDON RHETT, Assistant Professor of Kinesiology. B.S., LeTourneau University; M.S., Baylor University; Ph.D., Baylor University.

WEATHERFORD, GWENDOLYN, Assistant Professor of Kinesiology. B.S., Texas A&M, Commerce; M.S., Texas A&M, Commerce; Ph.D., Texas Woman's University.

Lecturer

BROWN, KATHRYN G., Senior Lecturer of Kinesiology. B.S., Oklahoma Panhandle State University; M.S., Oklahoma State University; M.Ed., Northwestern Oklahoma State University.

Master of Science in Exercise and Sports Nutrition

The first interdisciplinary graduate program on the Denton Campus meets all the recommended competencies for master's level education outlined in the Texas Higher Education Coordinating Board's (http://www.thecb.state.tx.us) *Guidelines for Fitness and Health Programs in Texas*.

The Master's of Science in Exercise and Sports Nutrition program is administered through the Department of Nutrition and Food Sciences. Both the departments of Kinesiology and Nutrition and Food Sciences are responsible for the majority of didactic hours, including an internship in one or more settings in the Dallas-Fort Worth metroplex, and a thesis or a professional paper. The course of study will include Research Methods, Statistics, Graded Exercise Testing, Exercise Evaluation and Prescription, Advanced Nutrition, Cardiovascular Response to Exercise, Nutrition and Exercise, Effect of Nutrition and Exercise in the Disease State, and Advanced Analysis of a Small Business.

For complete information and the Program of Study, please visit the Department of Nutrition and Food Sciences (p. 275) section of the catalog.

Master of Science in Kinesiology

Total Semester Credit Hours Required

30-36 semester credit hours

Required Courses

6 semester credit hours

Major/Emphasis

An area of emphasis must be selected. Number of semester credit hours varies according to program of study.

Minor

Optional, 6 semester credit hours

Final Examination

Oral defense evaluated by the thesis, professional paper, or culminating experience committee. May be repeated at the discretion of the committee.

Master of Science in Kinesiology Program of Study (30-36 semester credit hours)

Required Courses		
KINS 5023	Methods of Research	3
KINS 5033	Applied Statistical Principles	3
Emphasis Area		18-24
Select 18-24 semester credit hours from the following (depending on emphasis area):		
KINS 5113	Professional Internship in Sport Management	
KINS 5123	Professional Affiliation	
KINS 5203	Theory of Coaching	
KINS 5243	Sport Injury Prevention and First Aid	
KINS 5253	Organization and Administration for Effective Team Management	
KINS 5263	Sport Psychology	
KINS 5273	Sport Conditioning and Nutrition	
KINS 5293	Technical Skills Analysis	
KINS 5303	Coaching Tactical Skills	
KINS 5413	The Sport Industry	
KINS 5433	Sport Promotion and Publicity	
KINS 5453	Financing the Sport Enterprise	
KINS 5463	Legal Issues in Sport	
KINS 5473	Sport Media and Stakeholder Relations	
KINS 5483	Sport Sales, Sponsorship, and Fundraising	
KINS 5513	Mechanical Analysis of Human Motion	
KINS 5553	Advanced Exercise Physiology	
KINS 5573	Graded Exercise Testing	
KINS 5583	Hormonal Responses during Exercise	
KINS 5603	Growth and Perceptual Motor Development for Individuals with Low Incidence Disabilities	
KINS 5613	Cardiovascular Response to Exercise	
KINS 5683	Exercise Evaluation and Prescription	
KINS 5723	Sport in American Society	
KINS 5763	Systematic Observation in Physical Education and Sport	
KINS 5783	Learning and Teaching Styles in Physical Education and Sport	
KINS 5793	Pedagogy I: Behavior Management in APE Environments	
KINS 5813	Research in Kinesiology	
KINS 5843	Pedagogy III: APA and the APENS Theory to Practice	
KINS 5853	Assessment in Adapted Physical Education	

KINS 5863	Pedagogy II: Instructional Strategies in APE Environments	
KINS 5883	APA II: Disability Sport and Fitness	
KINS 5903	Special Topics	
KINS 5911	Independent Study	
KINS 5913	Independent Study	
KINS 5963	APA I: Disability Sport and Fitness Populations	
Culminating Experience		3-6
Select 3-6 semester credit hours from the following:		
KINS 5123	Professional Affiliation	
KINS 5903	Special Topics	
KINS 5973	Professional Paper and Project	
KINS 5983	Thesis	
KINS 5993	Thesis	

Doctor of Philosophy in Kinesiology

Total Semester Credit Hours Required

96 semester credit hours, including semester credit hours from master's level work, and 6 semester credit hours for dissertation.

Required Courses

18 semester credit hours

Major/Emphasis

21-36 semester credit hours, depending on area of study.

Minor/Related Area

Optional, number of semester credit hours variable.

Special Requirements

At least nine semester credit hours of course work should be taken outside the department.

Research Tools

The student in consultation with the advisory committee will determine 12 semester credit hours of research tools.

Qualifying Examination

The exam is comprised of four written sections over selected areas of the student's emphases and an oral section. May be repeated once.

Final Examination

Oral examination conducted by the Dissertation Committee over the candidate's research after the dissertation is completed. May be repeated at the discretion of the committee.

Doctor of Philosophy in Kinesiology Program of Study (96 semester credit hours)

Required Courses		
KINS 5033	Applied Statistical Principles	3
KINS 6043	Statistical Inference	3
KINS 6113	Seminar	3
KINS 6143	Research Design in Kinesiology	3
KINS 6983	Dissertation (I)	3
KINS 6993	Dissertation (II)	3
Emphasis Area		21-30
Select 21-30 semester credit hours from the following (depending on emphasis area):		
KINS 5413	The Sport Industry	
KINS 5433	Sport Promotion and Publicity	

KINS 5453	Financing the Sport Enterprise	
KINS 5463	Legal Issues in Sport	
KINS 5473	Sport Media and Stakeholder Relations	
KINS 5483	Sport Sales, Sponsorship, and Fundraising	
KINS 5513	Mechanical Analysis of Human Motion	
KINS 5553	Advanced Exercise Physiology	
KINS 5573	Graded Exercise Testing	
KINS 5583	Hormonal Responses during Exercise	
KINS 5603	Growth and Perceptual Motor Development for Individuals with Low Incidence Disabilities	
KINS 5613	Cardiovascular Response to Exercise	
KINS 5683	Exercise Evaluation and Prescription	
KINS 5723	Sport in American Society	
KINS 5783	Learning and Teaching Styles in Physical Education and Sport	
KINS 5793	Pedagogy I: Behavior Management in APE Environments	
KINS 5843	Pedagogy III: APA and the APENS Theory to Practice	
KINS 5853	Assessment in Adapted Physical Education	
KINS 5863	Pedagogy II: Instructional Strategies in APE Environments	
KINS 5883	APA II: Disability Sport and Fitness	
KINS 5963	APA I: Disability Sport and Fitness Populations	
KINS 6413	Research Seminar in Sport Management	
KINS 6423	Research Seminar in Sport Promotion and Sponsorship	
KINS 6443	Research Seminar in Electronic Sport Information	
KINS 6523	Advanced Biomechanics	
KINS 6623	Biomechanical Analysis I: Motion Analysis	
KINS 6643	Biomechanical Analysis II : Data Acquisition and Instrumentation	
KINS 6813	Advanced Research in Kinesiology	
KINS 6853	Practicum: Appraisal in Adapted Physical Education (Practicum: Appraisal in Adapted Physical Education)	
Related Studies or Minor Area		15-24
Nine semester credit hours must be taken outside the Department of Kinesiology		
Research Tools		12
Student in consultation with advisory committee will determine appropriate course work.		

Post-Baccalaureate Certificate in Adapted Physical Education

Post-Baccalaureate Certificate in Adapted Physical Education Program of Study (15 semester credit hours)

Required Courses		
KINS 5603	Growth and Perceptual Motor Development for Individuals with Low Incidence Disabilities	3
KINS 5793	Pedagogy I: Behavior Management in APE Environments	3
KINS 5853	Assessment in Adapted Physical Education	3
KINS 5863	Pedagogy II: Instructional Strategies in APE Environments	3
KINS 5883	APA II: Disability Sport and Fitness	3
Total Semester Credit Hours		15

Post-Baccalaureate Certificate in Leadership in Education and Sport

In collaboration with the Department of Kinesiology and Educational Administration, students may earn a graduate certificate in Leadership in Education and Sport. Upon completion of the certificate, the candidate may apply, with adviser approval, the semester credit hours toward a master’s degree.

Post-Baccalaureate Certificate in Leadership in Education and Sport Program of Study (18 semester credit hours)

Code	Title	Semester Credit Hours
Required Courses		
ELDR 5103	Leadership in Educational Settings	3
KINS 5453	Financing the Sport Enterprise	3
ELDR 5323	Administrative Processes in Schools	3
KINS 5473	Sport Media and Stakeholder Relations	3
ELDR 6113	Education Law	3
KINS 5483	Sport Sales, Sponsorship, and Fundraising	3
Total Semester Credit Hours		18

Department of Nutrition and Food Sciences

Web Site: http://www.twu.edu/nutrition-food-sciences/

Chair: *K. Shane Broughton, PhD*
Location: *OMB 307 (Denton)*
Phone: *940-898-2636*
Fax: *940-898-2634*
E-mail: *Denton: nutrfdsci@twu.edu*

Location: *IHSH 7118 (Houston)*
Phone: *713-794-2371*
Fax: *713-794-2374*
E-mail: *Houston: nfs-houston@twu.edu*

Graduate Degrees Offered

- M.S. in Nutrition (p. 283)
- M.S. in Food Science and Flavor Chemistry (p. 282)
- M.S. in Exercise and Sports Nutrition (p. 282)
- Ph.D. in Nutrition (p. 285)

The primary objectives of the graduate programs are to:

1. provide coursework and experience to advance students' knowledge and expertise in their field of study;
2. engage in research activities that contribute to the profession and to society through improved quality of life; and
3. assist in the development of professional leaders for the future.

Depending on the course of study, students are prepared for a variety of professional careers in clinical dietetics, the food industry, health and wellness, sports nutrition, education, or research.

Research interests of the faculty include numerous areas of laboratory and clinical investigation focused toward the nutritional sciences as well as nutrition education, and food sciences. The Nutrition and Food Science homepage (http://www.twu.edu/nutrition-food-sciences) references specific research areas of faculty.

Admissions

Admission Requirements

Please see the admission section (p. 56) of this catalog. In addition to these general requirements, the Department of Nutrition and Food Sciences (http://www.twu.edu/nutrition-food-sciences) requires the following minimum undergraduate semester credit hours prerequisites for the various majors:

Nutrition (M.S. and Ph.D.)

Chemistry (including Biochemistry)	9-12
Human Anatomy and Physiology	3-4
Introduction to Nutrition	3
Upper Level Nutrition (Advanced Nutrition: Macronutrients and Micronutrients and Nutrition through the Lifecycle)	9

Food Science and Flavor Chemistry (M.S.) and Nutrition (Ph.D. with Food Science and Flavor Chemistry emphasis)

Chemistry	9-12
Microbiology	4
Food Science	9

Food Systems Administration (M.S. and Ph.D. in Nutrition with Food Systems Administration Emphasis)

Microbiology	4
Introduction to Nutrition	3
Accounting	3

Quantity Food Production & Service	3
Upper Level Foodservice Management and/or Business	6

Master's Admission

For unconditional admission, applicants must present:

1. Official transcripts that show evidence of prerequisite courses and at least a 3.25 GPA on a 4.0 scale for the last 60 undergraduate semester credit hours and, all post-baccalaureate and graduate semester credit hours.
2. Evidence of completing the Graduate Record Examination with a preferred minimum score of 350/143 on the verbal portion and 450/141 on the quantitative portion.
3. A 1-2 page resume providing evidence of work and volunteer experience related to intended field of study.

Applicants who meet the above criteria with exception of GPA may qualify for provisional admission if they have at least a 3.0 GPA (4.0 scale) on the last 60 undergraduate semester credit hours, plus first 20 semester credit hours post-baccalaureate and graduate semester credit hours to be completed during the first two semesters of graduate work.

Applicants who meet all other requirements but lack up to 9 semester credit hours of prerequisite undergraduate courses may be admitted provisionally to a master's program. They must complete the required prerequisite courses within the first two semesters of graduate work.

Master of Science in Exercise and Sports Nutrition

For unconditional admission, applicants must present:

1. A baccalaureate degree in kinesiology or nutrition or its equivalent.
2. Official transcripts that show evidence of prerequisite undergraduate courses in the areas of exercise physiology, advanced exercise physiology, exercise testing and prescription, human anatomy and physiology, biochemistry, introduction to nutrition, advanced nutrition, and an upper level nutrition course.
3. At least a 3.25 GPA (4.0 scale) for the last 60 undergraduate semester credit hours.
4. Evidence of completing the Graduate Record Examination with a preferred minimum score of 500/153 on the verbal portion and 400/140 on the quantitative portion.
5. A 1-2 page statement of intent providing evidence of work and volunteer experience related to intended field of study and goals.
6. Two letters of recommendation.

Applicants who meet all other requirements but lack up to 12 semester credit hours of prerequisite undergraduate courses may be admitted provisionally to this program. They will complete all 12 semester credit hours during the first two semesters of graduate work.

Doctoral Admission

For unconditional admission, applicants must present:

1. Official transcripts that show evidence of prerequisite courses and at least a 3.5 GPA (4.0 scale) for the last 60 undergraduate semester credit hours on all post-baccalaureate and graduate semester credit hours.
2. Evidence of completing the Graduate Record Examination with a preferred minimum score of 450/150 on the verbal portion and 550/146 on the quantitative portion.
3. Two letters of reference.
4. A statement of purpose (1-2 pages) that includes reasons for undertaking graduate work, explanation of study and research interests, work experience, and professional goals.

Applicants who meet the above criteria with exception of GPA may qualify for provisional admission if they have at least a 3.0 GPA (4.0 scale) on the last 60 undergraduate semester credit hours on all post-baccalaureate and graduate semester credit hours.

Certifications

Certification Programs Offered

The Department of Nutrition and Food Sciences, in collaboration with health care facilities in the Houston metroplex and the Dallas/Fort Worth metroplex, offers two Dietetic Internship programs with graduate credit that lead to a master's degrees. These are the TWU Internship Program-Denton campus and the TWU Dietetic Internship Program-Houston Center. The Houston Center also offers the academic component for the Combined Dietetic Internship-Master's Degree Houston Michael E. DeBakey Veteran's Affairs Medical Center Program.

The TWU Dietetic Internship programs have been granted accreditation status by the:

Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics (http://www.eatrightacend.org/ACEND)
120 S. Riverside Plaza, Suite 2000
Chicago, IL 60606-6995
312-899-0040

The Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics is a specialized accrediting body recognized by the Council on Postsecondary Accreditation and the United States Department of Education.

All TWU Dietetic Internship programs participate in a computer matching process for selection of students. Upon successful completion of the program, students are eligible to write the registration examination by the Commission on Dietetic Registration.

Further information and application forms may be obtained from the program directors (or online at the Nutrition and Food Sciences website (http://www.twu.edu/nutrition-food-sciences)) and submitted before the deadline date (mid-February) as indicated on the application form.

Director, Dietetic Internship
TWU Dietetic Internship Program plus graduate credit
Department of Nutrition and Food Sciences
P.O. Box 425888
Denton, TX 76204-5888
940-898-2636

or

Director, Dietetic Internship
TWU Dietetic Internship Program plus graduate credit
Department of Nutrition and Food Sciences
6700 Fannin St.
Houston, TX 77030-2343
713-794-2371

or

Director, Dietetic Internship
Michael E. DeBakey VA Medical Center
2002 Holcombe Blvd
Houston, TX 77030

Minors

Minors Offered to Student from Other Departments

Students pursuing a minor in Nutrition and Food Sciences must have the following undergraduate prerequisites, depending on emphasis chosen:

Nutrition

Biochemistry, Human Anatomy and Physiology, Introduction to Nutrition, Advanced Nutrition: Macronutrients and Micronutrients, and Advanced Nutrition Lab, or equivalent

Food Science and Flavor Chemistry

Chemistry (8 semester credit hours) and 6 semester credit hours of food science, food preparation, or equivalent

Food Systems Administration

Microbiology, Quantity Food Production and Service, and 3 additional semester credit hours upper level food service management or Business courses

Master’s level

9 graduate semester credit hours in area of emphasis

Doctoral level

12 graduate semester credit hours in area of emphasis

Courses

NFS 5003. Food Chemistry. Chemical properties of food ingredients and food systems, relationship of chemical properties to the functional properties, and their effects on food and nutritional qualities. Prerequisite: Organic chemistry or permission of instructor. Three lecture hours a week. Credit: Three hours.

NFS 5013. Sensory Evaluation of Foods. Introduction to the neuroscience of taste and sensory analysis theory and techniques. Practical tools to select, conduct, and statistically analyze appropriate tests. One lecture and six laboratory hours a week. Credit: Three hours.

NFS 5023. Food Analysis. Objective analysis and evaluation of properties of foods and food systems during processing, development, and storage. Prerequisite: NFS 5003. One lecture and six laboratory hours a week. Credit: Three hours.

NFS 5033. Eating Behaviors and Eating Disorders. Examination of the cultural, societal, and psychological influences on eating behaviors with specific attention to the causes and treatment of various types of eating disorders. Three lecture hours a week. Credit: Three hours.

NFS 5043. Nutritional Aspects of Vegetarianism. Degrees of vegetarian regimens (e.g. lacto-ovo, vegan); potential health benefits from adopting a vegetarian diet, ensuring nutritional adequacy of vegetarian diets throughout the life cycle; potential nutritional deficiencies arising from the partial or complete avoidance of animal products; current research; recent advances in dietetic practice. Three lecture hours a week. Credit: Three hours.

NFS 5053. Functional Foods. Exploration of foods capable of providing health benefits beyond basic nutrition with emphasis on improved health and disease prevention benefits of certain whole foods and food products. Three lecture hours a week. Credit: Three hours.

NFS 5063. Food Toxicology. Principles of toxicology and adverse effects of contaminants in foods of chemical and biological origin on human health; application of principles to food safety. Prerequisites: Food Science, and Human Anatomy and lab course; or permission of instructor. Three lecture hours a week. Credit: Three hours.

NFS 5133. Professional Internship for Exercise and Sports Nutrition. Application of exercise and sports nutrition knowledge in varied practice settings. Student is required to complete 150 clock hours of supervised practice during a minimum of eight weeks (10-19 hours of work a week). Ten practicum hours a week. Credit: Three hours.

NFS 5173. Professional Practicum. Guided field experience in administrative supervisory, consultant, or similar level positions for a Master's degree in Nutrition. Thirty practicum hours a week. Credit: Three hours.

NFS 5303. Experimental Food. Application of scientific principles and experimental procedures to food preparation, including food product development studies and projects. Sensory evaluation and laboratory analysis. One lecture and six laboratory hours a week. Credit: Three hours.

NFS 5314. Nutrition and Human Metabolism. Nutritional biochemistry; chemistry, digestion, absorption, transport, regulation, function, and metabolism of nutrients; relationship between dietary intake, intermediary metabolism, and pathogenesis and health. Prerequisites: 6-7 hours upper level undergraduate nutrition courses (advanced nutrition, micro-and-macro-nutrients, nutrition through the lifecycle; or equivalent). Four lecture hours a week. Credit: Four hours.

NFS 5321. Seminar in Food Science. General overview of topics related to food science and technology including a review of current literature. Special emphasis on current areas of research including product development. One lecture hour a week. Credit: One hour.

NFS 5331. Seminar in Nutrition. Current research in nutrition and nutritional care. One seminar hour a week. Credit: One hour.

NFS 5343. Advanced Nutritional Care. Nutritional care including diet therapy; current research in dietary care; dietary treatment of metabolic diseases. Prerequisite: Nutrition and human metabolism course or permission of instructor. Three lecture hours a week. Credit: Three hours.

NFS 5363. Human Nutrition in Disease. The role of nutrition in the etiology, management, and prevention of acquired diseases including cardiovascular, endocrine, and gastrointestinal diseases, cancer, and urological disorders. Three lecture hours a week. Credit: Three hours.

NFS 5373. Food Science and Technology. Basic principles of food preservation; changes occurring during processing and storage; control of changes in food due to enzymes, microorganisms, and chemical reactions. Three lecture hours a week. Credit: Three hours.

NFS 5423. Nutrition and Gerontology. Nutritional status of older adult, normal, and therapeutic nutrition; metabolic pathways of the nutrients, sociological, and physiological factors. Prerequisite: Micronutrients and macronutrients courses. Three lecture hours a week. Credit: Three hours.

NFS 5443. Nutrition and Women's Health. Relationship between nutrition/nutrients and health issues of women, including Alzheimer's disease, cancer (breast/colon, cervical and ovarian, and lung), diabetes, heart disease, overweight, and obesity; current statistics, etiology, symptoms, treatment, and preventive measures of each health issue. Three lecture hours a week. Credit: Three hours.

NFS 5453. Nutrition Education. Dissemination of nutritional knowledge to various ethnic and age groups; cultural and environmental factors in dietary planning and selection; practical experiences included. Prerequisites: Micronutrients and macronutrients courses. Three lecture hours a week. Credit: Three hours.

NFS 5471. Clinical Aspects of Human Nutrition. Application of the principles of biochemistry, physiology, and nutrition in the treatment of human disease. Prerequisite or co-requisite: Admission to the MEDVAMC Dietetic Internship Program. Three practicum hours a week. Credit: One hour.

NFS 5472. Clinical Aspects of Human Nutrition. Application of the principles of biochemistry, physiology, and nutrition in the treatment of human disease. Prerequisite or co-requisite: Admission to the MEDVAMC Dietetic Internship Program. Six practicum hours a week. Credit: Two hours.

NFS 5473. Advanced Preventive Nutrition. Types of prevention; evidence for the role of dietary nutrients in preventing major causes of morbidity and mortality (e.g., cardiovascular disease, cancer); national goals for health promotions; dietary guidelines for health promotion and disease prevention; position statements on diet and health. Prerequisite: Introduction to nutrition course or equivalent. Three lecture hours a week. Credit: Three hours.

NFS 5521. Nutrition for Collegiate and Professional Sports. Application of evidence-based nutrition information in real-life sports settings. Case studies including fueling strategies, weight management, hydration and supplements, training table, traveling, and food challenges with individual athletes. Prerequisites: Nine hours of nutrition courses. One lecture hour a week. Credit: One hour.

NFS 5543. Nutrition in Pregnancy and Infancy. Understanding of nutrition in cellular growth of the whole body and individual organs; physiological changes during pregnancy; maternal-fetal exchange of nutrients; and the influence of nutrition and its nutrient requirements on pregnancy outcome and on the growth and mental developments of infants. Three lecture hours a week. Credit: Three hours.

NFS 5583. Nutrition and Exercise. Application of nutrient recommendations to sports and exercise states, differences between scientifically acceptable protocols relating exercise and nutrition and unproven myths using evidence-based analysis process, and biochemistry of exercise. Laboratory projects designed to provide information and dietary intervention programs to individuals or groups interested in sports nutrition. Prerequisites: NFS 5314 and six upper level undergraduate nutrition hours. Two lecture and two laboratory hours a week. Credit: Three hours.

NFS 5623. Nutraceuticals and Dietary Supplements. A critical evaluation of issues, concepts, and controversies about dietary supplements and nutraceutical ingredients. Emphasis on the importance of scientific investigations to evaluate their efficacy, safety, and value for health promotion, disease prevention, and treatment. Prerequisites or co-requisites: Course in nutrition and human metabolism. Three lecture hours a week. Credit: Three hours.

NFS 5681. Sports Nutrition Practicum. Field experiences working with athletic teams or individuals at fitness facilities to provide sports nutrition education to maximize training benefits and performance. May be repeated for additional credit. Three practicum hours a week. Credit: One hour.

NFS 5693. Nutrition and Metabolic Syndrome. Pathophysiology of metabolic syndrome; metabolic syndrome and cardiovascular disease; relevance of nutrition in development and treatment of metabolic syndrome. Prerequisite or co-requisite: Course in nutrition and human metabolism. Three lecture hours a week. Credit: Three hours.

NFS 5713. Human Resource Management in Nutritional Care Systems. Information concerning the functions of personnel management, recruitment, job description construction, benefits and compensation programs, unionization, and proper managerial and legal techniques to reslove conflicts. Three lecture hours a week. Credit: Three hours.

NFS 5721. Seminar in Food Systems Administration. Recent development in research related to foodservice systems management. One lecture hour a week. Credit: One hour.

NFS 5733. Productivity and Quality Improvement for Foodservice Systems. Study of productivity, decision-making, work simplification, and continuous quality improvement for foodservice systems. Group or individual investigations in institutional administration, supervised observations, conferences, and reports. Prerequisite: Six hours of institutional administration. Three lecture hours a week. Credit: Three hours.

NFS 5743. Cost Analysis for Foodservice Systems. Cost analysis and controls in the management of foodservice systems. Emphasizes quality assurance; food, labor, and energy control; and financial analysis. Utilization of the computer as a management tool. Three lecture hours a week. Credit: Three hours.

NFS 5753. Foodservice Facility Design and Management. Facility design and management for institutional foodservice operations. Preliminary planning, facility layout, space allocation, utilities, environmental planning, security management, and equipment selections. Prerequisite: Quantity foods lecture and lab. Three lecture hours a week. Credit: Three hours.

NFS 5763. Food Safety/Foodborne Illness. Study of foodborne illness in relation to food handling practices in foodservice systems and food industry. Hazard Analysis Critical Control methods, risk management, government initiatives, and current search in food safety. Prerequisites: Quantity foods lecture and lab, and microbiology lecture and lab. Three lecture hours a week. Credit: Three hours.

NFS 5773. Organization and Management for Foodservice Systems. Principles of management as applied to foodservice organizations. Study of interaction of menu planning, purchasing, food production, service and distribution, personnel management, and financial control. Prerequisite: Quantity foods lecture and lab. Three lecture hours a week. Credit: Three hours.

NFS 5793. Management Information Systems for Food Systems Administration. Management of information technology and systems in foodservice organizations to assist with data management, decision making, marketing, and problem solving. Software for nutrient analysis, food production, presentation, spreadsheet, database management, and web applications. Two lecture and two laboratory hours a week. Credit: Three hours.

NFS 5813. Internship Experience in Nutritional Care. Application of nutritional care skills in the clinical setting. Acceptance to a dietetic internship is required. May be repeated for credit. Twelve practicum hours a week. Credit: Three hours.

NFS 5833. Principles of Clinical Instruction in Nutritional Care. Experiential development of skills and evaluation techniques for clinical instructors in approved programs. May be repeated for additional credit. Nine clinical hours a week. Credit: Three hours.

NFS 5893. Advanced Nutritional Epidemiology. Advanced epidemiological concepts; design of observational and interventional studies; estimation of energy and nutrient intakes; biomarkers of nutritional status; ongoing clinical trials; current literature. Prerequisites: Nine hours of nutrition and three hours of graduate statistics. Three lecture hours a week. Credit: Three hours.

NFS 5901. Special Topics. Lectures or conferences on recent developments in nutrition. May be repeated with change of topic for additional credit. Prerequisite: Permission of the instructor. Credit: One hour.

NFS 5903. Special Topics. Lectures or conferences on recent developments in nutrition. May be repeated with change of topic for additional credit. Prerequisite: Permission of the instructor. Credit: Three hours.

NFS 5911. Independent Study. Intensive study of a problem of individual or professional interest in nutrition, food sciences, or institution administration. Credit: One hour.

NFS 5913. Independent Study. Intensive study of a problem of individual or professional interest in nutrition, food sciences, or food systems management. Credit: Three hours.

NFS 5923. Research in Food Systems Management. Research in organization and management of quantity foodservice. Group and individual conferences and laboratory hours to be arranged. May be repeated for credit. Credit: Three hours.

NFS 5953. Cooperative Education. Cooperative work-study arrangements between the University, business, industry, or selected institutions appropriate to the graduate program. Job assignments are made on the basis of student interests, skills, and degree program. The student will apply the ideas and processes learned in other courses in practical experience under cooperative supervision. Cooperative planning and evaluation are essential elements in the course. Nine practicum hours a week. Credit: Three hours.

NFS 5961. Research in Nutrition and Food Sciences. Individual research problem in a specific area of food and nutrition. Group and individual conferences. Credit: One hour.

NFS 5963. Research in Nutrition and Food Sciences. Individual research problem in a specific area of food and nutrition. Group and individual conferences. Credit: Three hours.

NFS 5973. Professional Paper. Prerequisite: Statistics. Credit: Three hours.

NFS 5983. Thesis. Credit: Three hours.

NFS 5993. Thesis. Prerequisite: NFS 5983. Credit: Three hours.

NFS 6003. Food Lipids. Application of basic lipid chemistry principles to analyze properties of food and food system lipids; functional properties of lipids and their effects on food systems. Prerequisite: Course in food chemistry or biochemistry. Three lecture hours a week. Credit Three hours.

NFS 6113. Nutrition and Cancer. Overview of nutrition and cancer at the population, cellular, and molecular levels; roles of nutrients and non-nutrients in cancer prevention. Prerequisite: Nutrition and human metabolism course or permission of instructor. Three lecture hours a week. Credit: Three hours.

NFS 6123. Micronutrients in Human Nutrition. Metabolic functions, metabolism, interrelationships, possible toxicity, and bioavailability of the vitamins and minerals based on current literature and research. Prerequisite: Nutrition and human metabolism course. Three lecture hours a week. Credit: Three hours.

NFS 6124. Macronutrients in Human Nutrition. Fundamental roles and energy transformation of carbohydrates, lipids, and proteins in human nutrition. Emphasis on function, metabolism, and interrelationships of the macronutrients based on current literature and research. Prerequisite: Nutrition and human metabolism course. Four lecture hours a week. Credit: Four hours.

NFS 6133. Drug and Nutrient Interactions. Effects of drugs on absorption and metabolism of nutrients, role of nutrients in drug detoxification; use of nutrients as drugs; toxic megadoses of vitamins; combination of drugs and diet in the treatment of disease; effect of nutritional status on drug and nutrient binding. Prerequisite: Nutrition and human metabolism course or permission of the instructor. Three lecture hours a week. Credit: Three hours.

NFS 6163. Nutritional Aspects of Obesity. Role of nutritional factors and their interplay with biochemical, physiological, genetic, and psychosocial factors in the etiology of obesity. Adverse health consequences of obesity. The role of nutrition intervention, exercise, pharmacological treatment, and surgical intervention and their nutritional sequelae. Prerequisite: Nutrition and human metabolism course. Three lecture hours a week. Credit: Three hours.

NFS 6173. Professional Practicum. Guided field experience in administrative supervisory, consultant, or similar level positions. Field experiences may not be part of the student's regular job responsibilities. May be repeated for three additional hours. Credit: Three hours.

NFS 6203. Advanced Research Techniques. Select laboratory techniques in separation and measurements of proteins (ELISA, Western Blot gel chromatography), cell culture techniques; cell separation and culture. One lecture hour and six laboratory hours a week. Credit: Three hours.

NFS 6233. Postharvest Physiology. Postharvest physiology for horticulture and agronomy of fruits and vegetables and other plants consumed for food; the cellular and subcellular structure of harvested products continuing through metabolic alterations and changes in biochemical constituents after harvest; environmental factors that cause stress after harvest; the principles of ripening gases and other treatments including modified atmosphere packaging. Three lecture hours a week. Credit: Three hours.

NFS 6331. Advanced Seminar in Nutrition. This course will accommodate both doctoral and master's students with more emphasis on current topics in ever changing nutrition research. Seminars designed to cover state of the are overview of current and emerging topics will be presented by invited outside guest speakers, TWU faculty, and graduate students. One seminar hour a week. Credit: One hour.

NFS 6903. Special Topics. Specially scheduled course on topic of current interest. May be repeated for additional credit when topic varies. Three lecture hours a week. Credit: Three hours.

NFS 6911. Independent Study. Intensive study of a problem of individual or professional interest in nutrition, food sciences, or food systems management. Credit: One hour.

NFS 6913. Independent Study. Intensive study of a problem of individual or professional interest in nutrition, food sciences, or food systems management. Credit: Three hours.

NFS 6921. Advanced Research in Nutrition and Food Science. Individual research problem in a specific area of food and nutrition. Group and individual conferences. May be repeated for credit. Credit: One hour.

NFS 6923. Advanced Research in Nutrition and Food Science. Individual research problem in a specific area of food and nutrition. Group and individual conferences. May be repeated for credit. Credit: Three hour.

NFS 6931. Advanced Research in Nutrition. Research problems in radiographic bone densitometry, metabolic balance studies; nutritional status of children and of older persons. Group and individual conferences and laboratory hours to be arranged. Credit: One hour.

NFS 6933. Advanced Research in Nutrition. Research problems in radiographic bone densitometry, metabolic balance studies; nutritional status of children and of older persons. Group and individual conferences and laboratory hours to be arranged. Credit: Three hours.

NFS 6941. Advanced Research in Food Science. Selection and study of individual research problems in a selected specific area of foods; objective and subjective methods of product evaluation. Credit: One hour.

NFS 6943. Advanced Research in Food Science. Selection and study of individual research problems in a selected specific area of foods; objective and subjective methods of product evaluation. Credit: Three hours.

NFS 6983. Dissertation. Credit: Three hours.

NFS 6993. Dissertation. Prerequisite: NFS 6983. Credit: Three hours.

Faculty

Professors

BROUGHTON, KENNETH SHANE, Professor of Nutrition and Food Sciences; Chair of the Department of Nutrition and Food Sciences; Interim Chair of Biology. B.S, Colorado State University; M.S., Washington State University; Ph.D., Washington State University.

DIMARCO, NANCY M., Professor of Nutrition and Food Sciences. B.A., University of Colorado, Boulder; M.S., Iowa State University; Ph.D., Iowa State University.

IMRHAN, VICTORINE, Professor of Nutrition and Food Sciences. B.S., Texas Tech University; M.S., Louisiana Tech University; Ph.D., Texas Woman's University.

PRASAD, CHANDAN, Professor of Nutrition and Food Sciences. B.S., G.B. Pant University of Agriculture and Technology : Naini Tal, India; M.Sc., G.B. Pant University of Agriculture and Technology : Naini Tal, India; Ph.D., Louisiana State University .

VIJAYAGOPAL, PARAKAT, Professor of Nutrition and Food Sciences. B.S., University of Kerala; M.S., Banaras Hindu University; Ph.D., University of Kerala.

Associate Professors

JUMA, SHANIL, Associate Professor of Nutrition and Food Sciences. B.S., Purdue University; M.S., University of Illinois, Chicago; Ph.D., Oklahoma State University.

MOORE, CAROLYN E., Associate Professor of Nutrition and Food Sciences. B.S., University of California, Berkeley; M.S., University of California, Berkeley; M.B.A., Rice University; Ph.D., University of California, Los Angeles.

Assistant Professors

LEMIEUX, MONIQUE J., Assistant Professor of Nutrition and Food Sciences. B.S., Christopher Newport University; M.S., The University of Tennessee Knoxville; Ph.D., Texas Tech University.

WARREN, CYNTHIA A., Assistant Professor of Nutrition and Food Sciences. B.S., Texas A&M University; M.S., Texas A&M University; Ph.D., Texas A&M University .

Associate Clinical Professors

BUSH, ROSE MARY, Associate Clinical Professor of Nutrition and Food Sciences; Dietetic Internship Program Director of the Department of Nutrition and Food Sciences : Houston. B.S., Grambling College; M.S., Louisiana Tech University.

KEARNEY, DOLORES E., Associate Clinical Professor of Nutrition and Food Sciences. B.S., State University of New York College at Oneonta; M.P.H., University of North Carolina, Chapel Hill.

MORELAND, KAREN A., Associate Clinical Professor of Nutrition and Food Sciences. B.S., Southwest Texas State University; M.S., Texas Woman's University.

REW, MARTHA L., Associate Clinical Professor of Nutrition and Food Sciences. B.S., University of Southwestern Louisiana; M.S., Louisiana State University .

Master of Science in Exercise and Sports Nutrition

Total Semester Credit Hours Required

A minimum of 30 semester credit hours (International Olympic Committee option), 34 semester credit hours (thesis option), or 43 semester credit hours (coursework only option) are required.

Required

Group 1 - Required Courses		
NFS 5314	Nutrition and Human Metabolism	4
NFS 5363	Human Nutrition in Disease	3
KINS 5023	Methods of Research	3
KINS 5033	Applied Statistical Principles	3
Group II - Additional Required Courses		
NFS 5583	Nutrition and Exercise	3
KINS 5553	Advanced Exercise Physiology	3
KINS 5613	Cardiovascular Response to Exercise	3
KINS 5683	Exercise Evaluation and Prescription	3
Select 3 semester credit hours from the following:		3
NFS 5681	Sports Nutrition Practicum (taken 3 times)	
NFS 6173	Professional Practicum	

Options

Three options for completion of the master's degree in Exercise and Sports Nutrition are available including thesis, coursework-only, or International Olympic Committee (IOC) diploma option. The number of semester credit hours to complete the program will vary with the option: thesis - 34 semester credit hours; coursework-only - 43 semester credit hours; and IOC - 30 semester credit hours. Students with the RDN credential or intending to become RDN certified will complete NFS 5681 three times. Non-RDN students will complete NFS 6173.

Minor

A minimum of 9 graduate semester credit hours in an area of emphasis can be achieved within the total number of program semester credit hours or by taking additional coursework. If a minor is declared, a faculty member in that minor area of study must serve on the academic committee.

Final Examination

Students selecting the thesis option will complete a final oral examination that should not exceed two hours and may not be taken more than twice. Students completing the coursework-only option must complete the capstone seminar NFS 5331 with a 'C' grade or higher. Additional information is available on the department's website (http://www.twu.edu/nutrition-food-sciences).

Master of Science in Food Science and Flavor Chemistry Program of Study

Total Semester Credit Hours Required

Thesis: 30 semester credit hours

Master of Science in Food Science and Flavor Chemistry Program of Study (30 semester credit hours)

Thesis (30 semester credit hours)

Required Courses		
NFS 5003	Food Chemistry	3
NFS 5013	Sensory Evaluation of Foods	3
NFS 5023	Food Analysis	3
NFS 5331	Seminar in Nutrition	1
Statistics or Research Design		3
NFS 5983	Thesis	3
NFS 5993	Thesis	3
NFS Electives and Additional Coursework		11

Select 8-11 semester credit hours from the following:		
NFS 5063	Food Toxicology	
NFS 5303	Experimental Food	
NFS 5373	Food Science and Technology	
NFS 5901	Special Topics	
NFS 5903	Special Topics	
Note: A maximum of 6 semester credit hours for internship experience, independent study, or cooperative education is permitted in this option. Research semester credit hours are not permitted.		
Up to 3 hours of additional coursework to be selected from other NFS program areas (Nutrition or Food Systems Administration), coursework from another department, or coursework transferred from another institution (up to 3 semester credit hours) with approval of the advisory committee.		
Total Semester Credit Hours		30

Master of Science in Food Systems Administration

(This program is not currently accepting new students.)

The M.S. in Food Systems Administration is designed to prepare students who receive this degree for management careers in foodservice/nutrition departments of hospitals, schools, universities and other institutions. The program uses a hybrid format. Course delivery is predominantly online (offered from Denton and Houston), but several courses require 3 face to face sessions. For additional information visit the Department of Nutrition and Food Sciences website (http://www.twu.edu/nutrition-food-sciences).

Total Semester Credit Hours Required

36 semester credit hours

Minor

A minimum of 9 graduate credit hours in an area of emphasis can be achieved within the total number of program hours or by taking additional coursework. If a minor is declared, a faculty member in that minor area of study must serve on the academic committee.

Masters of Science in Food System Administration Program of Study (36 semester credit hours)

Required Courses		
NFS 5773	Organization and Management for Foodservice Systems (must earn a grade of “B” or higher)	3
NFS 5713	Human Resource Management in Nutritional Care Systems	3
NFS 5763	Food Safety/Foodborne Illness	3
NFS 5733	Productivity and Quality Improvement for Foodservice Systems	3
NFS 5743	Cost Analysis for Foodservice Systems	3
NFS 5753	Foodservice Facility Design and Management	3
NFS 5793	Management Information Systems for Food Systems Administration	3
NFS 5721	Seminar in Food Systems Administration	1
Graduate Statistics Course		3
Additional Coursework		11
Additional coursework to be selected from other NFS program areas (Nutrition or Food Science), coursework from another department (e.g., Business), or coursework transferred from another institution (up to 3 hours) with approval of the advisory committee.		
A maximum of 6 credit hours for TWU internship experience, independent study, or cooperative education is permitted.		
Total Semester Credit Hours		36

Master of Science in Nutrition

Total Semester Credit Hours Required

30 semester credit hours (Thesis Option)

36 semester credit hours (Coursework-Only Option)

Minor

A minimum of 9 graduate credit hours in an area of emphasis can be achieved within the total number of program hours or by taking additional coursework. If a minor is declared, a faculty member in that minor area of study must serve on the academic committee.

Master of Science in Nutrition Thesis Option Program of Study (30 semester credit hours)

Required Courses		
NFS 5314	Nutrition and Human Metabolism (must earn a grade of "B" or greater)	4
NFS 5363	Human Nutrition in Disease	3
Seminar Course		1
Statistics of Research Design Course		3
Additional Courses in Major		
Select 10-12 hours from the following:		10-12
NFS 5033	Eating Behaviors and Eating Disorders	
NFS 5043	Nutritional Aspects of Vegetarianism	
NFS 5053	Functional Foods	
NFS 5343	Advanced Nutritional Care	
NFS 5423	Nutrition and Gerontology	
NFS 5443	Nutrition and Women's Health	
NFS 5453	Nutrition Education	
NFS 5473	Advanced Preventive Nutrition	
NFS 5521	Nutrition for Collegiate and Professional Sports	
NFS 5583	Nutrition and Exercise	
NFS 5623	Nutraceuticals and Dietary Supplements	
NFS 5693	Nutrition and Metabolic Syndrome	
NFS 5893	Advanced Nutritional Epidemiology	
NFS 5901	Special Topics	
NFS 5903	Special Topics	
6000 level courses offered in Nutrition with approval of advisory committee and permission of the instructor		
Internship experience, independent study, or cooperative education (Note: A maximum of 6 semester credit hours is permitted. Research hours are not permitted.).		
Additional Coursework		
Coursework to be selected from additional courses above, other NFS program areas, coursework from another department, or coursework transferred from another institution with approval of the advisory committee.		3-4
Thesis		
NFS 5983	Thesis	3
NFS 5993	Thesis	3
Total Program Hours		30

Master of Science in Nutrition Coursework-Only Option Program of Study (36 semester credit hours)

Final Examination

Students in the MS in Nutrition Coursework-Only Option program admitted after fall semester 2014 must complete NFS 5331 Capstone Seminar course during their final semester for degree completion.

Required Courses		
NFS 5314	Nutrition and Human Metabolism (must earn a grade of "B" or greater)	4
NFS 5331	Seminar in Nutrition (Capstone)	1
NFS 5363	Human Nutrition in Disease	3
Select 3 semester credit hours from the following:		3
HS 5703	Applied Statistics for Health Educators	
KINS 5033	Applied Statistical Principles	

FS 5193	Statistics for Research in Family Sciences	
Additional Courses in Major		
Select 16 semester credit hours from the following:		16
NFS 5033	Eating Behaviors and Eating Disorders	
NFS 5043	Nutritional Aspects of Vegetarianism	
NFS 5053	Functional Foods	
NFS 5343	Advanced Nutritional Care	
NFS 5423	Nutrition and Gerontology	
NFS 5443	Nutrition and Women's Health	
NFS 5453	Nutrition Education	
NFS 5473	Advanced Preventive Nutrition	
NFS 5583	Nutrition and Exercise	
NFS 5623	Nutraceuticals and Dietary Supplements	
NFS 5893	Advanced Nutritional Epidemiology	
NFS 5901	Special Topics	
NFS 5903	Special Topics	
Coursework to be selected from additional courses above, other NFS program areas, coursework from another department, or coursework transferred from another institution with approval of the advisory committee.		9
Total Program Hours		36

Doctor of Philosophy in Nutrition

Total Semester Credit Hours Required

A minimum of 90 semester credit hours beyond the bachelor's degree including 6 semester credit hours for dissertation. The degree plan must be approved in a meeting with advisory committee members; changes must be approved by all members of the committee.

Required Courses

The NFS required courses (11 semester credit hours) for all doctoral degrees includes the following requirements:

NFS 5314	Nutrition and Human Metabolism	4
NFS 6123	Micronutrients in Human Nutrition	3
NFS 6124	Macronutrients in Human Nutrition	4

Research Tools (12 semester credit hours)

Statistics	6
Other research tools (Research tools may include, but not limited to, foreign language, computer applications, research design, grant writing, laboratory techniques, or electronic information resources).	6

Additional courses for the Doctor of Philosophy in Nutrition

Additional courses may include:

Nutrition Electives (at least 6 semester credit hours). Choose from the courses offered in the Department of Nutrition and Food Sciences		6
NFS 5331	Seminar in Nutrition	4

Note: Total minimum semester credit hours needed for graduation is 90 semester credit hours. Additional information can be found at the Department of Nutrition and Food Sciences' website (http://www.twu.edu/nutrition-food-sciences).

Additional courses (9 semester credit hours or more) required for the Ph.D. in Nutrition: Emphasis in Food Science and Flavor Chemistry

- To include courses in the Department of Biology, and/or Chemistry and Physics.
- These courses will be decided in consultation with the advisory committee.

Residency Requirement

Although there is no residency requirement, at least 50% of all the required semester credit hours for graduation must be earned at Texas Woman's University.

Qualifying Examination

Current information can be found at Department of Nutrition and Food Sciences' website (http://www.twu.edu/nutrition-food-sciences).

Final Examination

The final examination is oral and includes defense of the dissertation and the research on which it is based. The final examination should not exceed three hours and it may not be taken more than twice.

Health Care Administration Program - Houston Center

Web Site: http://www.twu.edu/health-care-administration/

Program Director: *Gerald R. Goodman, Professor*
Location: *IHSH 7114*
Phone: *713-794-2061*
Fax: *713-794-2350*
E-mail: *hcahouston@twu.edu*

Graduate Degree Offered

- Master of Healthcare Administration (M.H.A.) (p. 292) (Pending THECB approval, this degree program will transition from the College of Health Sciences to the School of Management during the 2016-2017 academic year.)

The master's degree program in Health Care Administration prepares graduates for management positions in the variety of firms and organizations that comprise the health services industry. The industry is undergoing rapid and dramatic change. Therefore, the faculty seeks to prepare managers who possess the tools and knowledge that will enable them to analyze problems, formulate solutions, and implement decisions to guide their organizations through dynamic times. The course of study will encourage development of the student's personal and leadership potential by fostering attitudes of lifelong learning, and social and ethical responsibility. The Houston M.H.A. program is accredited by the Commission on Accreditation of Healthcare Management Education (https://www.cahme.org) (CAHME).

The program also offers a CAHME accredited executive MHA track. The executive track is intended for practicing professions with management experience. In addition to waiving the requirement for the GRE or GMAT entrance exam, applicants accepted into the executive track may start with the Level 2 Courses of our current Course Sequence, and complete the remaining courses alongside other MHA students in the order which best matches their work and lifestyle responsibilities, with some priority to prerequisites.

The program achieves its goals by:

1. Offering flexible educational opportunities to working students, with particular awareness of the needs of women and minority students.
2. Contributing to the effectiveness of the health care delivery process through faculty and student research and technical consultation.
3. Enhancing the profession of health services through active participation of faculty and students in support of professional health service management associations.

The Health Care Administration curriculum provides professional education in both basic and applied health administration. This educational focus involves providing knowledge and skills required for health services managers to function successfully in a complex and rapidly changing environment. The broad content areas include:

Health Systems Organization, Policy, and Operations

History and organization of the health care system, financing, and utilization of health services, health status and disease occurrence, legal aspects of health care, and medical sociology. Government health policy formulation and implementation and its impact on health care organizations.

Finance, Economics, and Accounting

Accounting and financial management tools for health care administrators, budgeting, financial analysis, costing, variance analysis, capital structure, and performance measurement. Fundamentals of microeconomic theory, economic determinants of health, markets for medical care, and health insurance, economic analysis in decision making.

Management of Health Services Organizations

Organization theory and behavior, health care planning and marketing, human resource management, and leadership, managerial communications, ethics, legal applications for managers, information systems, and strategic management.

Quantitative Methods

Application of statistical methods to solving health care management problems, operations research, research design and analysis, epidemiology, and performance and quality assessment.

M.H.A./M.B.A. Degree Program Agreement with University of St. Thomas

By special agreement, students in the Health Care Administration Program of Texas Woman's University are provided an opportunity to obtain an M.B.A. through the Cameron School of Business at the University of St. Thomas (http://www.stthom.edu/Academics/Cameron_School_of_Business) (UST). Students obtain both the fundamental set of health services management skills through the M.H.A. and specialized training provided by the M.B.A. program. Students first apply and are accepted into Texas Woman's University M.H.A. program. Students interested in this option must contact the

graduate admissions advisor at the UST Cameron School of Business in order to determine specific course requirements needed to complete the M.B.A. degree and TWU-HCA courses that will qualify for waiver of required M.B.A. courses.

TWU Executive M.B.A., M.H.S.M., and M.H.A. Degrees

TWU offers the Executive Master of Business Administration (M.B.A.), Master of Health Systems Management (M.H.S.M.), and Master of Health Care Administration (M.H.A.) degrees. The Executive M.B.A. and M.H.S.M. degrees are offered by the School of Management; and the M.H.A. is offered by the College of Health Sciences. The M.H.S.M. degrees are offered on the Dallas campus only, and the M.H.A. is offered on the Houston campus only. Students desiring both M.B.A. and M.H.A. degrees must apply and be accepted by each program/school separately and fulfill admission requirements defined by each program. Acceptance in the M.B.A./M.H.S.M. dual-degree program does not guarantee acceptance into the M.H.A. program offered by Health Care Administration (H.C.A.) Houston and vice versa. Students cannot enroll in H.C.A. - Houston courses to fulfill the requirements of either the M.B.A or M.H.S.M. programs, and vice versa.

Applicants to the M.H.A. program may request a waiver of courses completed in either the M.B.A. or M.H.S.M. programs toward the M.H.A. degree plan. Waivers are generally limited to no more than 12 semester credit hours and require H.C.A. program approval. Use of M.B.A. or M.H.S.M. courses towards the M.H.A. degree plan are not guaranteed, are evaluated on a case-by-case basis, and must have a grade of B or higher. Students who have not successfully completed all requirements of the M.B.A. program will be required to submit tests scores from the GRE or GMAT for consideration of admission into the M.H.A. program. Students who have successfully completed all requirements and earned the M.B.A. or M.H.S.M. degree will be waived from the GRE/GMAT requirement. For additional information review the Health Care Administration (http://www.twu.edu/health-care-administration) website.

Admissions

Admission Requirements

Admission for graduate study in Health Care Administration is available to applicants who have attained an undergraduate degree, from a regionally accredited institution, with a GPA in the final 60 semester credit hours of 3.0 or greater. Applicants who have undertaken prior graduate study must also have achieved a minimum of 3.0 GPA. In addition, successful applicants will submit evidence of outstanding academic and work or life experiences that demonstrate potential for leadership in the health services environment. Prior health care experience (employment, internship or volunteer) is preferred but not required.

Provisional admission may be considered for an applicant who did not attain an undergraduate GPA of 3.0 but who demonstrates potential for graduate study based on GRE/GMAT scores, as well as work and/or life experiences that show evidence of leadership qualities. Provisional admission is not guaranteed and will be based on an evaluation of the applicants' record of accomplishments and potential. Students admitted provisionally must achieve a grade of B or better in each course taken during the first 12 course semester credit hours of study. Failure to meet the conditions of provisional admission will result in removal of the student from the degree program without possibility for readmission to this program.

Due Dates for Completed Applications for US residents

- May 30 for Fall semester
- September 30 for Spring semester
- March 1 for Summer semester

Applicants identified by the University as international applicants must adhere to earlier deadlines. These deadlines are identified in the international student section of this catalog.

All applicants must submit the required documentation in the following manner:

Application Documents

- Application
- Transcripts for all previous coursework
- GRE or GMAT Scores
- TOEFL Scores (for international students)

Send Application Documents To:

Texas Woman's University
Student Records
P.O. Box 425649
Denton, TX 76204

Resume Documents

- Resume

- Three Letters of Recommendations
- Career Goal Statement

Send Resume Documents To:

Texas Woman's University
Program in Health Care Administration
6700 Fannin
Houston, TX 77030

Advanced standing may be granted to applicants who hold a prior master's or doctoral degree from an accredited U.S. university. This advanced standing means that an applicant may request and be eligible for waiver of certain foundation or core courses, in addition to the GRE/GMAT waiver as described above. It is the responsibility of the applicant to make the request for specific course waiver or transfer credit. In addition the applicant must submit evidence of equivalent prior course work. Waivers are not automatic and are made on a case by case basis by examination of the content of each course requested for waiver/transfer credit. Each course accepted for transfer credit of a required core course must have been completed within the 6 years of the date the M.H.A. degree is to be awarded. Otherwise these courses must be repeated.

Students who have completed the M.B.A., E.M.B.A. or M.H.S.M. degree at Texas Woman's University may be eligible for award of up to 12 semester credit hours of transfer credit toward the M.H.A. degree subject to Graduate School policies.

Non-Degree Admission

The Health Care Administration Program does not normally admit students for non-degree status. The exception is those cases where TWU-HCA has a formal agreement with another University or another TWU department to allow limited enrollment for a specific purpose.

Orientation Requirement

The Health Care Administration Program holds orientation for new students in the fall and spring semesters. It is a requirement that all new students must attend one of these sessions. Information is given at these sessions that will enhance the student's learning experience.

Deferral

Students may request deferral of admission date up to one year due to personal circumstances. No additional deferrals will be granted and the applicant must reapply.

Certificates

Certificate in Health Care Administration

- Post-Baccalaureate Certificate in Health Care Management (p. 293)

Courses

HCA 5001. Concepts of Health and Disease for Administrators. Major body systems, definitions of health, illness, disease, pathogenesis, disability, and death. Roles and responsibilities of health care team members in the processes of diagnosis, treatment, and monitoring. Structures, functions, and disease processes of the human body systems and fundamental medical terminology. Designed for the graduate level student with little or no prior clinical experience. Self instructional methods will be utilized for practice and mastery of medical vocabulary and the structure and functions of body systems. One lecture hour a week. Credit: One hour.

HCA 5103. Foundations of Health Services. Structure and operation of U.S. health industry and the political and social environment in which it exists. The health system will be analyzed in terms of cost, access, availability, quality, and appropriateness. Topics include the role of government in regulating health services; health insurance; types, categories, and functions of various health organizations in the health care continuum; and human resources. Three lecture hours a week. Credit: Three hours.

HCA 5193. Health Law. American legal system and its principles and processes; public health law; institutional and professional liability; informed consent; physician-patient relationships, forensic medicine; legislative activities; and controversial medical, legal, and ethical issues. Prerequisite: HCA 5103 or permission of instructor. Three lecture hours a week. Credit: Three hours.

HCA 5213. Managerial Communications. Preparation of managers and leaders for the communication challenges of the workplace. Development and demonstration of effective, business-oriented oral and written skills. Emphasis on organization and delivery of professional presentations, use of effective visual support, and business writing. Three lecture hours a week. Credit: Three hours.

HCA 5223. Strategic Organizational Theory in Healthcare. Application of organization theory and concepts to health services organizations. Topics include governance, competitive environment, distinctive attributes of health care organizations, vision, mission, goals and strategies, systems thinking, organization structure and design, organizational effectiveness, change management, planning, and management roles. Prerequisite: HCA 5253. Three lecture hours a week. Credit: Three hours.

HCA 5253. Organizational Behavior in Health Care Administration. Application of theories and concepts of management and organizational behavior to health services organizations. Topics include personality, motivation, decision making, stress, interpersonal and group dynamics, communication, leadership, power, conflict, and organizational culture. Three lecture hours a week. Credit: Three hours.

HCA 5343. Human Resources Management in Health Care Administration. Human resources management issues, including strategic role of job analysis and design, recruitment, retention, diversity, performance appraisal, termination, recognition, compensation and development, and Human Resources legal issues relevant to health care organizations. Prerequisites: HCA 5103 and HCA 5223. Three lecture hours a week. Credit: Three hours.

HCA 5363. Leadership and Career Development in Health Care Administration. Development of leadership potential by strengthening abilities in creative thinking, interpersonal team skills, communication (oral and written) and listening skills, diversity issues, negotiation, and conflict management. Improvement of personal effectiveness by goal setting, establishing networks, using interviewing techniques, and increasing self-awareness. Use of self-assessments and group projects with outside clients. Includes student preparation of portfolio presentation/notebook, individual meetings with instructor, and presentation to independent evaluators. Prerequisite: HCA 5223. Pre or Co-requisites: HCA 5623 and HCA 5543. Three lecture hours a week. Credit: Three hours.

HCA 5383. Ethical Analysis in Health Services. Identification of values and ethical issues in health care administration. Application of ethical principles and theories of decision-making in analysis of ethical dilemmas. Includes moral basis of ethics, organizational philosophy, duties, conflicts of interest, confidentiality, resource allocation, end of life, and other biomedical and administrative issues. Prerequisites: HCA 5103 and HCA 5253, or permission of instructor. Three lecture hours a week. Credit: Three hours.

HCA 5443. Operations Analysis in Healthcare Administration. Concepts, techniques, and managerial approaches for improving performance. Productivity, efficiency evaluation, forecasting, project management, simulation, quality management (CQI-TQM, six-sigma), yield, waiting time, inventory management, strategy, and decision making. Prerequisite: HCA 5463. Three lecture hours a week. Credit: Three hours.

HCA 5463. Research Methods for Managerial Decision Making. The research process and models available to conduct health services research. Topics include problem identification, computerized literature search, critique of research, theoretical and conceptual frameworks, research questions and hypothesis testing, research design, methodology, data analysis techniques, and ethical issues in research. Prerequisite: Knowledge of basic Excel. Three lecture hours a week. Credit: Three hours.

HCA 5473. Health Information Management. The role of information systems and decision-making models in health care organizations. Health information topics including computer hardware and software, planning information processing, clinical and administrative systems, methods to support decision making, vendor evaluation and selection, and project management. Prerequisites: HCA 5103 and HCA 5223. Three lecture hours a week. Credit: Three hours.

HCA 5483. Epidemiological Models for Health Services. Basic measures and determinants of epidemiology; incorporation of research findings into management decisions. Use of logic and assumptions to assess and understand the health status of populations, the determinants of health and illness, and the factors that influence the delivery and use of health services. Social epidemiology including social and behavioral aspects of health and illness, utilization of health services, and patient and practitioner roles. Prerequisites: HCA 5463 and HCA 5103, or permission of program director. Three lecture hours a week. Credit: Three hours.

HCA 5493. Performance Measurement and Quality in Health Care Administration. Basic measures and analysis of processes for quality and performance assessment utilizing qualitative and quantitative methods. Development of skills in evaluation methods and performance management with particular emphasis on the management of quality. Standard setting, performance assessment processes, and CQI/TQM. Prerequisites: HCA 5463 and HCA 5483, or permission of instructor. Three lecture hours a week. Credit: Three hours.

HCA 5513. Financial Accounting in Health Care Administration. Principles of accounting; types of financial statements; recognizing and measuring transactions; assets, liability, and equity accounts; fund accounting; cash flow statements; financial statement analysis and time value of money. Three lecture hours a week. Credit: Three hours.

HCA 5533. Management Accounting for Health Care Organizations. Principles and methods of cost allocation, job costing, cost-volume profit analysis, budgeting, variance analysis, profitability analysis, and relevant costs for decision-making. Prerequisite: HCA 5513. Three lecture hours a week. Credit: Three hours.

HCA 5543. Health Care Finance. Principles, concepts, and use of the financial skills of net present value, financial analysis and forecasting, risk, cash and capital budgeting, stock and bond valuation, lease analysis, receivables management, business and merger valuations, and healthcare premium development. Prerequisite: HCA 5533. Three lecture hours a week. Credit: Three hours.

HCA 5623. Economics of Health Care. Application of microeconomics principles to problems of resource allocation of health care products, services, and labor. Development of a foundation for understanding and evaluating health policy and its impact. Prerequisite: HCA 5513. Three lecture hours a week. Credit: Three hours.

HCA 5633. Health Policy Analysis. Definitions of health policy and the process of policy making. Impact of values on policy and the role of interest groups and political influence. Framework for analyzing policy and methods using the tools of economics to examine health system change. Prerequisites: HCA 5103 and completion of twelve hours in HCA program. Three lecture hours a week. Credit: Three hours.

HCA 5713. Managing the Hospital Setting. The American community hospital within the context of the social, political, and economic environment. Operational aspects of hospital administration from the perspectives of each key stakeholder. Definition of organization structure, interaction of components, governance, financing, medical staff, nursing services, clinical support services, operational and service support, human resources, and quality management. Prerequisite: Completion of twelve hours in HCA program or permission of instructor. Three lecture hours a week. Credit: Three hours.

HCA 5723. Managing the Long-Term Care Setting. Demographic, social, political, and organizational aspects of long-term care services. The process of aging and the social, psychological, and medical needs of the population; populations at risk of requiring long-term care; the knowledge and skills to successfully manage diverse long-term care facilities. Long-term care system, financing care, needs assessment, disabled population, and types of services. Prerequisite: Completion of twelve hours in HCA program or permission of instructor. Three lecture hours a week. Credit: Three hours.

HCA 5733. Managing the Outpatient Setting. Approaches for providing care in the outpatient setting including hospital and free-standing ambulatory care facilities, and single specialty and multi-specialty physician practices. Types of settings, finance, accounting, and human resource management. Prerequisite: Completion of twelve hours in HCA program or permission of instructor. Three lecture hours a week. Credit: Three hours.

HCA 5743. Alternative Systems of Healthcare Delivery. Evolving relationships between the buyers, providers, insurers, patients, and regulators of health services. The dynamic process that influences the organization for delivery, price, utilization, quality, and accountability. Historical development of the U.S. and comparative health systems. Delivery systems, managed care trends, legal and regulatory issues, provider-payer-patient perspectives, insurance products, organizational structures, pricing and reimbursement strategies, quality, and utilization control. Prerequisite: Completion of twelve hours in HCA program or permission of instructor. Three lecture hours a week. Credit: Three hours.

HCA 5753. Development of Health Facilities. Physical aspects of planning, design, and construction of health facilities. The process and participants involved in the development of buildings to serve the health care industry. Facility planning; methods of project delivery; role of owner, architect, and building contractor; construction scheduling, cost estimating, and site analysis. Prerequisite: Completion of twelve hours in HCA program or permission of instructor. Three lecture hours a week. Credit: Three hours.

HCA 5763. Marketing for Health Services. The role of marketing in the process of purchasing and providing health care services. Broad view of marketing as a means of identifying and delivering value to both the provider and consumer of services. Topics including marketing philosophy, market research, identifying the customer, business and service delivery, market segmentation, and business development. Prerequisite: Completion of twelve hours in HCA program or permission of instructor. Three lecture hours a week. Credit: Three hours.

HCA 5773. Seminar in Finance and Accounting in Health Care Administration. Identification and development of financial models and solutions. Analysis of causes related to complex health care accounting and financial management issues. Prerequisites: HCA 5513, HCA 5533, and HCA 5543. Three lecture hours a week. Credit: Three hours.

HCA 5783. Interdisciplinary Models of Health Care. The evolving role of the health care team and strategies team members use in providing comprehensive, quality care to the health care consumer. Rationale for the interdisciplinary approach, re-engineering and work redesign, professional autonomy, cross-training, and group dynamics. Prerequisite: Completion of twelve hours in HCA program or permission of instructor. Three lecture hours a week. Credit: Three hours.

HCA 5803. Issues and Trends in Health Care Administration. Group study of current issues and trends in Health Care Administration. Prerequisite: Completion of twelve hours in HCA program or permission of instructor. Three lecture hours a week. Credit: Three hours.

HCA 5903. SPECIAL TOPICS. Organized course with each section's title and content varying with specific subject matter and topic offered. May be repeated for credit when topics vary. Three lecture hours a week. Credit: Three hours.

HCA 5911. Independent Study. Advanced work in a specialized field of Health Care Administration. Prerequisite: Completion of twelve hours in HCA program and permission of instructor. Credit: One hour.

HCA 5912. Independent Study. Advanced work in a specialized field of Health Care Administration. Prerequisite: Completion of twelve hours in HCA program and permission of instructor. Credit: Two hours.

HCA 5933. Capstone in Health Care Administration. Final course in the HCA curriculum focusing on the integration of knowledge and application of theories, models, and techniques from preceding courses in the management of a health services organization. Decision making involving strategic, human resources, financial, planning, and operations. Prerequisites: HCA 5363, HCA 5493, and HCA 5533; or permission of program director. Three lecture hours a week. Credit: Three hours.

HCA 5941. Internship. Internship in a health care organization under the supervision of a selected health care administrator and faculty. Prerequisite: Completion of twelve hours in HCA program. Four clinical hours a week. Credit: One hour.

HCA 5942. Internship. Inernship in a health care organization under the supervision of a selected health care administrator and faculty. Project assignments are undertaken to integrate and apply administrative skills to practical problems. Prerequisite: Completion of twelve hours in HCA program. and approval of faculty advisor. Eight clinical hours a week. Credit: Two hours.

HCA 5973. Professional Paper. Independent research leading to the production of a written document of scholarly quality or production of a professional portfolio. Prerequisite: Permission of faculty advisor. Credit: Three hours.

HCA 5981. Fieldwork. Field experience with a health care organization under the supervision of a selected health care administrator and faculty. Prerequisites: HCA 5463, HCA 5483, and completion of twelve hours in HCA program. Four clinical hours a week. Credit: One hour.

HCA 5982. Fieldwork. Field experience with a health care organization under the supervision of a selected health care administrator and faculty. Prerequisites: HCA 5463, HCA 5483, and completion of twelve hours in HCA program. Eight clinical hours a week. Credit: Two hours.

Faculty

Professor

GOODMAN, GERALD R., Professor of Health Care Administration; Program Director of Health Care Administration. B.S., University of Houston; M.S., Texas Woman's University; M.A.S., Southern Methodist University; D.P.H., University of Texas Health Science Center-Houston.

Associate Professors

SELCER, ANNE D., Associate Professor of Health Care Administration. B.S., Wright State University; M.S., Wright State University; M.A., Fielding Graduate University; M.L.H.R., Ohio State University; Ph.D., Fielding Graduate University.

TSAI, KAI-LI, Associate Professor of Health Care Administration. B.S., China Medical College; M.S., Harvard University; Ph.D., University of California, Los Angeles.

Assistant Professor

MURDOCK, SANDRA, Assistant Professor of Health Care Administration. B.S., St. Ambrose University; M.A., Central Michigan University; Ph.D., University of Texas Health Science Center-Houston.

Associate Clinical Professor

PHELPS, MARK T., Associate Clinical Professor of Health Care Administration. B.S., Baylor University; M.S., Trinity University; J.D., South Texas College of Law.

Master of Healthcare Administration (M.H.A.)

Total Semester Credit Hours Required

51 semester credit hours.

Additional Grading Requirements

In addition to the general University grading requirements, the HCA Program limits the number courses in which a grade of C is made in HCA Program specific courses to two. If a grade of C is made in a third HCA-specific course, then regardless of the cumulative grade point average, the student will be dropped from the HCA Program. Since this is an HCA grading requirement and not a University requirement, the student may enroll in another TWU program.

The two C Rule applies even if the student retakes a course in which the initial grade was a C.

Foundation courses

Foundation courses are the first level of preparation for specialized study in Health Administration. Applicants may request a waiver of any foundation courses by presenting evidence of having completed at least 2 undergraduate or one graduate course in the content area with a grade of B or better. These courses must be completed prior to enrolling in required courses.

Electives

Students, in consultation with a faculty advisor, will select at least 6 semester credit hours of approved elective courses in order to obtain additional breadth or depth in a particular field of Health Care Administration study. Electives from other TWU departments or other Universities may be approved with permission from the advisor if they meet the criteria as related to the study of HCA and student’s career goals. However transfer credits from other Universities or Departments are subject to limits established by the graduate school.

Internship/Fieldwork Opportunities

Internships and field experiences are available with health care organizations. They are designed to provide students with the opportunity to integrate and apply knowledge and skills from their course experiences. While an internship or fieldwork is not required, it is strongly recommended for all individuals who lack health care experience or whose experience is primarily technical or clinical. The decision regarding whether the internship or fieldwork should be included as one of the elective courses is made jointly by the faculty advisor and student at the completion of 12 semester credit hours of study. In addition many courses include fieldwork projects, tours and assessments of local health care organizations. A maximum of 3 semester credit hours may be earned in internship or fieldwork and applied toward the degree. In order to receive academic credit for an internship or fieldwork the student must contact his/her faculty advisor and complete the necessary documentation with the HCA internship/ieldwork coordinator prior to applying or accepting an internship or fieldwork assignment.

Portfolio

Each student is required to develop and maintain a professional portfolio documenting the attainment of goals and skills acquired in the course of their graduate study. This portfolio and student goals are developed jointly by the student and advisor. The portfolio is to be reviewed periodically with the advisor. Students must enroll in HCA 5973 during their final semester to complete their portfolios.

Certificate of Final Examination

Each graduating student will be required to present their completed portfolio to a faculty committee as a final exit exam.

Course Method and Delivery

Some courses in the program may be delivered in a non-traditional distance learning format. As a result, student involvement on campus will vary depending on method of delivery.

Master of Healthcare Administration Program of Study (51 minimum semester credit hours)

Foundation Courses (may be waived with advisor approval)		
HCA 5001	Concepts of Health and Disease for Administrators	1
HCA 5103	Foundations of Health Services	3
HCA 5213	Managerial Communications	3
HCA 5253	Organizational Behavior in Health Care Administration	3
HCA 5463	Research Methods for Managerial Decision Making	3
HCA 5513	Financial Accounting in Health Care Administration	3
Required Courses (Individual course plans may vary)		
HCA 5193	Health Law	3
HCA 5223	Strategic Organizational Theory in Healthcare	3
HCA 5343	Human Resources Management in Health Care Administration	3
HCA 5383	Ethical Analysis in Health Services	3
HCA 5363	Leadership and Career Development in Health Care Administration	3
HCA 5443	Operations Analysis in Healthcare Administration	3
HCA 5473	Health Information Management	3
HCA 5483	Epidemiological Models for Health Services	3
HCA 5493	Performance Measurement and Quality in Health Care Administration	3
HCA 5533	Management Accounting for Health Care Organizations	3
HCA 5543	Health Care Finance	3
HCA 5623	Economics of Health Care	3
HCA 5633	Health Policy Analysis	3
HCA 5933	Capstone in Health Care Administration	3
HCA 5973	Professional Paper (Portfolio)	3
Electives		
Select six semester credit hours of electives with approval of faculty advisor		6
Total Semester Credit Hours		67

Post-Baccalaureate Certificate in Health Care Management

The Department of Health Care Administration offers a post-baccalaureate Certificate in Health Care Management that provides students with a foundation of knowledge necessary for a successful career in health care management. The core educational component comprises approximately 18-21 semester credit hours depending on prior academic preparation and student career goals. Students who have successfully completed the certificate program and wish to pursue a master's degree in health care administration at TWU, may apply certificate semester credit hours toward their degree requirements. However all core course work for the M.H.A. master's degree must be completed within a six-year period. This includes transfer credits as well as M.H.A. degree requirements. TWU certificate students who desire to pursue the M.H.A. degree must submit a separate application and apply as an M.H.A. degree seeking applicant. No additional application documents are required. The GRE or GMAT exam is not required. Only courses with a grade of B or better will apply toward M.H.A. degree course requirements. The certificate in Health Care Management is not subject to accreditation by Commission on Accreditation of Healthcare Management Education (CAHME).

For individuals seeking the license in long-term care administration, the TWU-HCA certificate course sequence has been approved as meeting the educational requirements of the Texas Department of Aging and Disability Services (DADS). Students interested in the long-term care license should take HCA 5723, Managing the Long-Term Care Setting, as an additional course.

Admissions Requirements

Applicants will have completed a baccalaureate degree, from a regionally accredited institution, preferably in a field related to the certificate program. Such related fields include business, nursing, physical or occupational therapy, nutrition and food sciences, health studies, and health administration. Related fields also include dental hygiene, laboratory or radiologic technology, biology, and chemistry. Applications for the certificate program must be received by:

- May 30 for fall semester enrollment
- September 30 for spring semester enrollment
- March 1 for summer semester enrollment

The program requires that applicants submit:

1. An application for admission to the certificate program and appropriate fees to the Office of Admissions Processing;
2. Evidence of an earned bachelor's degree with a GPA of 3.0 in the last 60 semester credit hours and complete official transcripts of all undergraduate and graduate study to the Office of Admissions Processing (the GRE or GMAT exam are not required);
3. Resume to the Department of Health Care Administration;
4. Three letters of reference to the HCA Department;
5. Provide a statement of your goals and reason for seeking a certificate.

Certificate in Healthcare Administration Program of Study (18-21 semester credit hours)

Students will learn about the organizational structure and operations of the health care system, and gain expertise in managing both human and financial resources. In addition to these fundamentals, students will be exposed to the ever-present social responsibility and ethical concerns facing those in decision-making roles.

Select 18-21 semester credit hours from the following:

(with Academic Advisor approval)		18-21
HCA 5103	Foundations of Health Services	
HCA 5223	Strategic Organizational Theory in Healthcare	
HCA 5513	Financial Accounting in Health Care Administration (Additional course for non-business majors)	
HCA 5253	Organizational Behavior in Health Care Administration	
HCA 5343	Human Resources Management in Health Care Administration	
HCA 5533	Management Accounting for Health Care Organizations	
HCA 5383	Ethical Analysis in Health Services	
Total Semester Credit Hours		18-21

School of Occupational Therapy

Web Site: http://www.twu.edu/occupational-therapy/

Director: *Cynthia Evetts, Associate Professor*
Location: *MCL 810*
Phone: *940-898-2801*
Fax: *940-898-2806*
E-mail: *ot@twu.edu*

Associate Directors:

Denton (interim): *Noralyn Pickens, Associate Professor*
Phone: *940-898-2801*

Dallas: *Noralyn Pickens, Associate Professor*
Phone: *214-689-7750*

Houston: *Patricia Bowyer, Professor*
Phone: *713-794-2128*

Graduate Degrees Offered

- M.O.T. Master of Occupational Therapy (p. 302)
- O.T.D. Doctor of Occupational Therapy (p. 305)
- Ph.D. in Occupational Therapy (p. 306)

Occupational therapy is a health care profession whose members work to foster full participation in everyday life for persons with physical, cognitive, emotional, or societal restrictions. Occupational therapy is based on the premise that engagement in real life activities in prescribed areas with specific goals promotes health and wellness. The School of Occupational Therapy at Texas Woman's University offers graduate level training and education for persons seeking to initiate or to expand a career in occupational therapy. The School is home to 25 faculty members and over 5,000 alumni and encompasses a Texas-wide network of professionals dedicated to the advancement of high quality evidence-based occupational therapy practice. The occupational therapy programs are available at the main campus of Texas Woman's University in Denton, the T. Boone Pickens Institute of Health Sciences in Dallas, and the TWU Institute of Health Sciences in Houston. Specific online components supplement traditional classroom learning. At each location, courses are conducted in classrooms and laboratories specially equipped to enhance student learning. Lecture and laboratory learning experiences are provided by experienced occupational therapy faculty, occupational therapy practitioners, and other health care providers. TWU offers degree programs leading to the Master of Occupational Therapy, Doctor of Occupational Therapy, and Doctor of Philosophy in Occupational Therapy.

Overview of Degrees offered in Occupational Therapy

The Master of Occupational Therapy (p. 302) (MOT) degree is a professional entry-level degree that prepares students with baccalaureate degrees in other fields to become occupational therapists. The curriculum is taught in Denton, Dallas, and Houston. Master of Occupational Therapy students complete all courses at one of these sites.

The Master of Occupational Therapy program is accredited by the Accreditation Council of Occupational Therapy Education (ACOTE, P.O. Box 31220, Bethesda, MD 20824-1220, 301-652-2682). With successful completion of the MOT degree, the student is eligible to apply for the certification examination given by the National Board for Certification of Occupational Therapy (www.nbcot.org (http://www.nbcot.org)). *Note: The National Board for Certification in Occupational Therapy (NBCOT) may bar persons from taking the certification examination for the following reasons: 1) felony conviction, 2) adverse action related to professional license, registration, or certification, 3) documented misconduct, and/or 4) suspension or expulsion from an institute of higher education*. *The School of Occupational Therapy recommends that students with questions concerning their eligibility to take this required examination to be credentialed as an occupational therapist, contact NBCOT for an "early determination review."*

The Doctor of Occupational Therapy (p. 305) (OTD) degree is a post professional clinical practice degree that engages practicing occupational therapists in leadership for advanced roles as master practitioner, advocate for client populations, and occupational therapy educator. The curriculum is designed to be experienced while active in the profession with learning activities integrated into clinical practice. The program is structured for continuous part time enrollment utilizing distance education methods with periodic on-campus sessions.

The Doctor of Philosophy (p. 306) (PhD) degree is a post-professional graduate program for occupational therapists whose desire is to develop skills for advanced academic and research pursuits. The PhD in Occupational Therapy is offered via on-line and on-campus learning experiences in Dallas and Houston.

Admissions

Admission Requirements

Please see the admission section (p. 56) of this catalog. In addition to these general requirements, the School of Occupational Therapy requires the following.

Master of Occupational Therapy – applicants with a bachelor's degree

Entry into the Master of Occupational Therapy program is structured for students who have completed specified undergraduate coursework and who hold a bachelor's degree in any major from an accredited institution. The Master of Occupational Therapy program is a 28-month full-time educational commitment, inclusive of a six-month internship. Cohorts of 30-45 students are admitted each fall semester to each of our three locations.

Applicants must complete the following prerequisites with a cumulative GPA of 3.0 or better prior to beginning M.O.T. courses: statistics, human anatomy and physiology, developmental psychology, abnormal psychology, and medical terminology. Applicants must also complete a minimum of twenty hours of observation, volunteer, or paid employment under the supervision of a registered occupational therapist and submit an application and essay.

TWU Alumni Advantage Application

Applicants requesting the Texas Woman's University Alumni Advantage admission may apply the year prior to the completion of their degree. Applications must be postmarked by September 15 for consideration for entry in the subsequent fall semester. Applicants requesting Alumni Advantage must demonstrate an overall grade point average of 3.7 on the last 60 semester credit hours completed at the time of application, as well as a 3.5 grade point average on prerequisites and maintain these averages until the award of the undergraduate degree. Assured admission status will be revoked for applications not meeting this standard.

Please refer to the Undergraduate Catalog for a full description of the TWU Alumni Advantage program (http://catalog.twu.edu/undergraduate/health-sciences/occupational-therapy).

Doctor of Occupational Therapy

Admission requirements include

1. Current occupational therapy license or registration
2. Master level degree
3. 3.2 minimum GPA on master level work
4. Successful completion of the OTD application process inclusive of written application and interviews
5. Faculty mentor agreement

Doctor of Philosophy

Admission requirements include

1. master's degree in occupational therapy or a related field; comparable graduate level degree may be substituted subject to review by doctoral admissions committee;
2. minimum GPA of 3.2 in previous graduate work;
3. submission of scores in verbal, and quantitative sections of the Graduate Record Exam;
4. satisfactory English language proficiency score (if applicable);
5. initial certification as an occupational therapist by NBCOT; and
6. three letters of reference.

Graduates from non U.S. baccalaureate programs, recognized by the World Federation of Occupational Therapists who otherwise meet admission requirements, need not be certified by the NBCOT to pursue the Ph.D. in occupational therapy. Ph.D. applicants, who meet basic admission criteria, are asked to submit a written essay of no more than 1000 words addressing professional goals, prior experience that may form the foundation for doctoral work, and potential research directions. The doctoral admissions committee reviews the applicants and invites selected individuals for a personal interview with the committee. Year-round admission.

Courses

OT 5001. Appraising Occupational Therapy Evidence. Evaluation of clinical research evidence and its applicability to occupational therapy practice decisions. One seminar hour a week. Credit: One hour.

OT 5002. Applied Research Methods in Occupational Therapy. Qualitative and quantitative occupational therapy methods of scholarly inquiry. Emphasis on techniques to promote rigorous and valid research relevant to the study of occupation and domains of occupational therapy. Descriptive, correlation, inferential statistics, and basic qualitative coding strategies. Co-requisite: OT 5001. Two lecture hours a week. Credit: Two hours.

OT 5003. Clinical Neuroscience for Occupational Therapy. Relationship between occupational performance and neuroanatomy and physiology. Review of clinical cases that illustrate implications for occupational therapy intervention when disruption within the central and peripheral nervous system results in dysfunction. Three lecture hours a week. Credit: Three hours.

OT 5022. Occupational Therapy Research Practicum. Participation in implementation of a faculty-sponsored project that is relevant to the practice of occupational therapy utilizing documented and referenced method of systematic inquiry. Collection and/or organization, analysis and/or preparation for dissemination of information according to the method of systematic inquiry designated in the work. May be repeated for credit. Credit: Two hours.

OT 5101. Professional Paper in Occupational Therapy. Completion of a professional paper in occupational therapy. Credit: One hour.

OT 5122. Occupation, Wellness, and Adaptation. Adaptation, wellness, and disability prevention models. Practice of occupational therapy in wellness and prevention programs. Two lecture hours a week. Credit: Two hours.

OT 5132. Persons, Tools, and Occupations. Introduction to the domain and process of occupational therapy including emphasis on the purposes and meanings of occupation, documentation of observations, analysis of activities, and occupational profiles. Practical application of play, games, crafts, and other appropriate activities in individual and group settings. One lecture and three laboratory hours a week. Credit: Two hours.

OT 5142. Scholarly Inquiry in Occupational Therapy. Principles of scholarly activity, research, and research evidence in the development of a science-based body of knowledge to ground the practice of occupational therapy. Criteria for evaluating research for application, research ethics, occupational therapy literature, and related resources including grants. Two lecture hours a week. Credit: Two hours.

OT 5163. Foundations of Occupational Therapy Practice. Foundations of occupation and occupational science over the course of the profession's history and in current practice, including scope, standards, theories, models, and ethics. Principles of occupational therapy practice, professional reasoning, and professional behaviors. Three lecture hours a week. Credit: Three hours.

OT 5202. Professional Paper in Occupational Therapy. Participation in the implementation of a faculty-sponsored research endeavor relevant to the practice of occupational therapy utilizing documented and referenced method of systematic inquiry. Development of a research proposal; participation in the collection and/or organization and analysis of information according to the method of systematic inquiry designated in the work. Credit: Two hours.

OT 5232. Mental Health and Social Participation. Evaluation and intervention principles for psychosocial practice in clinical and in community settings. Principles and practice of group process and interventions. One seminar and three laboratory hours a week. Credit: Two hours.

OT 5322. Occupational Performance and Adaptation in Infancy and Childhood Laboratory. Performance of evaluation, intervention, and outcome measures consistent with developmental level for infants and children with pediatric conditions and/or congenital anomalies. Practice in selection, implementation, analysis, and grading of interventions appropriate to infants and children. One seminar and three laboratory hours a week. Credit: Two hours.

OT 5352. Evaluation Processes in Occupational Therapy. Identification, selection, and analysis of occupational therapy assessments. Measurement interpretation based on client needs, contextual factors, and psychometric properties. One lecture and two laboratory hours a week. Credit: Two hours.

OT 5512. Movement in Context. Occupational therapy assessment of the musculoskeletal system, mechanical principles, clinical conditions for biomechanical intervention and treatment planning for occupational performance issues related to strength, range of motion, endurance, and tissue integrity. One lecture and three laboratory hours a week. Credit: Two hours.

OT 5522. Occupational Adaptation: Early to Middle Adulthood Laboratory. Performance of evaluation, intervention, and outcome measures for early and middle adult clients with acquired disorders interfering with occupational performance, including musculoskeletal, neurological, and general medical conditions as a result of illness or injury. One lecture and three laboratory hours a week. Credit: Two hours.

OT 5553. Occupational Participation in Early to Middle Adulthood. Conditions that impact occupational participation in early and middle adulthood. Occupational therapy theory and evidence-based evaluation, intervention, outcome measures, and service delivery appropriate for this population. Three lecture hours a week. Credit: Three hours.

OT 5563. Occupational Participation in Middle to Late Adulthood. Conditions that impact adaptation and participation in occupations and roles for middle to older adults including disability, illness, and chronic impairment. Theory and evidence-based occupational therapy evaluation, intervention, outcome measures, and service delivery appropriate for this population. Three lecture hours a week. Credit: Three hours.

OT 5573. Occupational Participation in Infancy And Childhood. Conditions that impact occupational participation for infants and children including medical, educational, and psychosocial problems of developmental, or acquired origin. Theory and evidence-based occupational therapy evaluation, intervention, outcome measures, and service delivery for this population. Three lecture hours a week. Credit: Three hours.

OT 5722. Occupational Performance and Adaptation In Middle to Late Adulthood Laboratory. Performance of evaluation, intervention, and outcome measures appropriate for middle and older adults with disorders interfering with occupational performance. Practice in selection, implementation, analysis, and grading of interventions appropriate to middle and older adults. One lecture and three laboratory hours a week. Credit: Two hours.

OT 5732. Assistive and Computer Technology Tools in Practice. Exploration of the uses of assistive technology in everyday life, including environmental modifications for home and work. Practice in the use of powered mobility, environmental controls, driver rehabilitation, and application of computer and assistive technology for specific populations. One lecture and three laboratory hours a week. Credit: Two hours.

OT 5753. Designing, Evaluating, and Managing Systems. Occupational therapy program design, principles of management, and factors influencing current health care policy. Application of principles of management to service models and health care settings, health care teams, implementation of federal and state regulation, and reimbursement systems. Three lecture hours a week. Credit: Three hours.

OT 5811. Specialty Field Experience. One-week elective placement in a specialty setting with adjunct, full-time, or clinical specialist faculty. May be related to special interest or to research project. May also be in a professional administrative setting as a national or state office. In special cases may be supervised by professionals in other disciplines. May be repeated for credit. Forty practicum hours. Credit: One hour.

OT 5812. Issues in Knowledge Bases. Current issues in theoretical concepts of knowledge bases in occupational therapy. May be repeated for credit. Two lecture hours a week. Credit: Two hours.

OT 5813. Specialty Field Experience. Three-week elective placement in a specialty setting with adjunct, full-time, or clinical specialist faculty. May be related to special interest or to research project. May also be in a professional administrative setting as a national or state office. In special cases may be supervised by professionals in other disciplines. May be repeated for credit. One hundred twenty practicum hours. Credit: Three hours.

OT 5816. Specialty Field Experience. Six-week elective placement in a specialty setting with adjunct, full-time, or clinical specialist faculty. May be related to special interest or to research project. May also be in a professional administrative setting as a national or state office. In special cases may be supervised by professionals in other disciplines. May be repeated for credit. Two hundred forty practicum hours. Credit: Six hours.

OT 5822. Issues in Adaptation. Current issues in occupational adaptation in occupational therapy. May be repeated for credit. Two lecture hours a week. Credit: Two hours.

OT 5823. Professional Reasoning and Fieldwork: Early to Middle Adulthood. Interpretation of selected evaluation and intervention procedures. Integration of knowledge about diagnoses and challenges experienced by individuals in daily occupations. Placement in occupational therapy practice settings under the supervision of an occupational therapy practitioner. Two seminar and two practicum (field experience) hours a week. Credit: Three hours.

OT 5832. Issues in Practice Tools. Current issues in use of tools in occupational therapy. May be repeated for credit. Two lecture hours a week. Credit: Two hours.

OT 5833. Professional Reasoning and Fieldwork: Mental Health and Community-Based Programs. Emphasis on psychosocial aspects of health including promotion of well-being. Exploration of groups that facilitate engagement in a variety of occupations in context. Placement in community settings under supervision of a qualified professional or occupational therapy practitioner. Two seminar and two practicum (field experience) hours a week. Credit: Three hours.

OT 5843. Professional Reasoning and Fieldwork: Older Adulthood. Examination of diagnoses and effects of aging on occupational performance. Placement under the supervision of an occupational therapy practitioner in practice settings with older adults engaged in social and productive activities. Two seminar and two practicum (field experience) hours a week. Credit: Three hours.

OT 5852. Issues in Occupational Therapy Process. Current issues in occupational therapy processes. May be repeated for credit. Two lecture hours a week. Credit: Two hours.

OT 5853. Professional Reasoning and Fieldwork: Infancy, Childhood, and Adolescence. Analysis of children's occupational participation, performance, and adaptation in various contexts. Placement with occupational therapy practitioners in clinical and community settings for children. Two seminar and two practicum (field experience) hours a week. Credit: Three hours.

OT 5901. Special Topics. Intensive study of selected topics in occupational therapy. May be repeated for credit. One lecture hour a week. Credit: One hour.

OT 5903. Special Topics. Intensive study of selected topics in occupational therapy. May be repeated for credit. Three lecture hours a week. Credit: Three hours.

OT 5911. Independent Study. Advanced work in special fields of occupational therapy. May be repeated for credit. Credit: One hour.

OT 5913. Independent Study. Advanced work in special fields of occupational therapy. May be repeated for credit. Credit: Three hours.

OT 5916. Adaptation to Physical Challenges in Adult Years I. Six-week practicum in health care setting where occupational therapy is provided for adult individuals experiencing physical challenges. Opportunities to evaluate needs then plan and implement programs and services. Prerequisites: Completion of didactic coursework and professional project. Forty practicum hours a week. Credit: Six hours.

OT 5926. Adaptation to Physical Challenges in Adult Years II. Six-week practicum in a health care setting where occupational therapy is provided for adult individuals experiencing physical challenges. Evaluation of needs, delivery of service and exploration of management and administrative issues. Prerequisites: Completion of didactic coursework and professional paper. Forty practicum hours a week. Credit: Six hours.

OT 5932. Rehabilitation Technology in Practice. Properties of materials, specific equipment, and techniques used in occupational therapy with an emphasis on the upper extremity. Uses of rehabilitation technology in everyday life. Practice in the use of prosthetics, splinting, orthotics, pain management, and principles of physical agent modalities. One lecture and three laboratory hours a week. Credit: Two hours.

OT 5936. Adaptation to Psychosocial Challenges Across the Life Span I. Six-week practicum in a health care setting where occupational therapy is provided for individuals experiencing psychosocial challenges. Opportunities to evaluate needs then plan and implement programs and services. Prerequisites: Completion of didactic coursework and professional paper. Forty practicum hours a week. Credit: Six hours.

OT 5946. Adaptation to Psychosocial Challenges Across the Life Span II. Six-week practicum in a health care setting where occupational therapy is provided for individuals experiencing psychosocial challenges. Evaluation of needs, delivery of service, and exploration of management and administrative issues. Prerequisites: Completion of didactic coursework and professional paper. Forty practicum hours a week. Credit: Six hours.

OT 5956. Adaptation to Physical or Psychosocial Challenges in Early Years I. Six-week practicum in a health care setting where occupational therapy is provided for individuals experiencing either psychosocial or physical challenges and who are between the ages of birth and adolescence. Opportunities to evaluate needs then plan and implement programs and services. Prerequisites: Completion of didactic coursework and professional paper. Forty practicum hours a week. Credit: Six hours.

OT 5966. Adaptation to Physical or Psychosocial Challenges in Early Years II. Six-week practicum in a health care setting where occupational therapy is provided for individuals experiencing either psychosocial or physical challenges and who are between the ages of birth and adolescence. Evaluation of needs, delivery of service, and exploration of management and administrative issues. Prerequisites: Completion of didactic coursework and professional paper. Forty practicum hours a week. Credit: Six hours.

OT 5976. Alternative Clinical Experience I. Six-week practicum in a health care setting where occupational therapy is provided for individuals with specific needs and/or the service is delivered in a non-traditional health care environment. Opportunities to evaluate needs then plan and implement programs and services. Prerequisites: Completion of didactic coursework and professional paper. Forty practicum hours a week. Credit: Six hours.

OT 5986. Alternative Clinical Experience II. Six-week practicum in a health care setting where occupational therapy is provided for individuals with specific needs and/or the service is delivered in a non-traditional health care environment. Evaluation of needs, delivery of service, and exploration of management and administrative issues. Prerequisites: Completion of didactic coursework and professional paper. Forty practicum hours a week. Credit: Six hours.

OT 5992. Professional Reasoning Capstone. Complex case studies for integration of skill, performance, and participation in the field of occupational therapy. Inventory and documentation of personal and professional competencies for successful transition to supervised practice. Two seminar hours a week. Credit: Two hours.

OT 6101. Professional Development Core I. Principles of leadership; identification, access, and validation of information sources and professional and scholarly writing. One lecture hours a week. Credit: One hour.

OT 6103. Mentored Professional Development I. Design of a personal and professional development plan in an area of specialization in occupational therapy, under the tutelage of a faculty mentor. Credit: Three hours.

OT 6133. Advanced Evidence-Based Occupational Therapy Practice. Advanced clinical competence and leadership within intervention systems. Critical analysis of occupational therapy assessments, interventions, outcomes and development of guidelines for best practice at the client, program, and systems levels. Three lecture hours a week. Credit: Three hours.

OT 6201. Professional Development Core II. Review of applied research designs: peer discussion on applied research designs: critique and feedback on developing and ongoing projects. One lecture hour a week. Credit: One hour.

OT 6203. Mentored Professional Development II. Engage in approved professional development plan and, in collaboration with faculty mentor, reflect on and assess progress, revising the plan as needed. Complete proposal of doctoral capstone project for populations served by occupational therapists. Credit: Three hours.

OT 6223. Theory and Knowledge Development in Occupational Therapy. Current theories and relationship to practice. Examination of the evolution and significance of occupation, adaptation, and environment as seminal concepts in the profession's knowledge development. Application to clinical research. Three lecture hours a week. Credit: Three hours.

OT 6243. Learning Designs for Occupational Therapy Knowledge. Planning, conducting, and assessing outcomes for teaching programs, professional workshops, and research presentations specific to occupational therapy knowledge and skills. Three lecture hours a week. Credit: Three hours.

OT 6253. Scholarly Writing in Occupational Therapy. Development of scholarly writing skills linked to effective research and dissemination competencies. Writing style, organization, logic, clarity of content, and concise, cogent argument. Search techniques, reference management tools, and scholarly ethics. Three lecture hours a week. Credit: Three hours.

OT 6301. Professional Development Core III. Strategies for lifelong learning, professional publication, and presentation skills. One lecture hour a week. Credit: One hour.

OT 6303. Mentored Professional Development III. Completion of activities indicated in professional development plan, with documentation of progress and reflection upon the process, including completion of doctoral capstone project. Credit: Three hours.

OT 6333. Occupation in Context. Occupational participation at the immediate, proximal, community, and societal scales of environments explored within contexts. Application of ecological and occupational models to evaluation and intervention for case studies and research methods. Three lecture hours a week. Credit: Three hours.

OT 6343. Theory of Occupational Adaptation. Examination of the theory of occupational adaptation as a normative model of human growth and development and a system for design of occupation-based practice models based on the interaction between the person, the environment, and internal adaptation. Three lecture hours a week. Credit: Three hours.

OT 6353. Neuroscience Applications: Occupational Therapy and Adaptation. Neuroscience foundations of the concepts of occupation and adaptation. Emphasis on current research related to mechanisms of adaptation of the nervous system structures and functions as a result of engagement in occupation. Three lecture hours a week. Credit: Three hours.

OT 6363. Statistical Analysis in Occupational Therapy. Examination of quantitative research methods including design, level of measurement, sampling, and validity. Emphasis on computation and analysis of such statistics as applicable to contemporary research in occupational therapy. Three lecture hours a week. Credit: Three hours.

OT 6373. Grant Writing in Occupational Therapy. Development of knowledge and skills necessary to write a grant proposal. Consideration of a range of grants/contracts inlcluding private foundation, state contracts, and federal grants. Essential steps to build interdisciplinary partnerships. Three lecture hours a week. Credit: Three hours.

OT 6433. Teaching Practicum in Occupational Therapy. Planning, conducting, and evaluating a teaching program which may include an academic course in the undergraduate or professional master's curriculum or a continuing education workshop for occupational therapists or other health professionals. May be repeated for credit. Five practicum hours a week. Credit: Three hours.

OT 6553. Applied Research Design and Methods. Relationships between therapy and research; strengths and weaknesses of alternative research designs and traditions for scholarly inquiry; qualitative and quantitative research methods; program evaluation. Three seminar hours a week. Credit: Three hours.

OT 6563. Programmatic Research Planning. Participation in existing work of the student's supervising professor which illustrates sequential development of a line of research and which may lead to development of a dissertation topic for the student. May be repeated for credit. Credit: Three hours.

OT 6623. Instrumentation for Measuring Occupational Performance. Current theories and principles of measurement. Relationship of measurement to practice, education, and research. Application of OT knowledge/expertise in development or revision of instruments used across practice contexts. Three lecture hours a week. Credit: Three hours.

OT 6643. Advanced Qualitative Methods in Occupational Therapy. Methods of data collection and interpretation including participant observation, qualitative interviews, focus groups, and trustworthiness techniques; emphasis on practical application to research questions and implementation of a research study. Three lecture hours a week. Credit: Three hours.

OT 6823. Current Issues and Trends in Occupational Therapy. Influences of changes in the health care delivery system on practice and education in occupational therapy. Analyses of issues and trends in occupational therapy and subsequent approaches taken by the profession to adapt. Role of the occupational therapist as change agent and consultant. Three lecture hours a week. Credit Three hours.

OT 6903. Special Topics. Selected current topics relevant to occupational therapy. May be repeated for credit. Three seminar hours a week. Credit: Three hours.

OT 6911. Independent Study. Credit: One hour.

OT 6913. Independent Study. Credit: Three hours.

OT 6983. Dissertation. Prerequisite: Successful completion of qualifying exam. May be repeated for credit. Credit: Three hours.

OT 6993. Dissertation. Prerequisites: OT 6983 and successful defense of dissertation proposal. May be repeated for credit. Credit: Three hours.

Faculty

Professors

BAXTER, MARY FRANCES, Professor of Occupational Therapy. B.S., Colorado State University; M.A., Texas Woman's University; Ph.D., University of Houston .

BOWYER, PATRICIA L., Professor of Occupational Therapy; Associate Director of the School of Occupational Therapy: Houston. B.A., Milligan College; M.S., Eastern Kentucky University; Ed.D., East Tennessee State University.

CHAN, JOSEPHINE SUK-KUEN, Professor of Occupational Therapy. B.S., Hong Kong Polytechnic University; M.A., Texas Woman's University; Ph.D., University of Houston .

HERSCH, GAYLE I., Professor of Occupational Therapy. B.S., Indiana University-Bloomington; M.S., Indiana University/Purdue University at Indianapolis; Ph.D., Indiana University-Bloomington.

NEVILLE-SMITH, MARSHA A., Professor of Occupational Therapy. B.S., Eastern Michigan University; M.S., University of Texas at Dallas; Ph.D., University of Texas at Dallas.

Associate Professors

AMERIH, HUSNY, Associate Professor of Occupational Therapy. B.S., King Hussein Medical Center, Amman, Jordan; M.S., University of Central Arkansas; Ph.D., Texas Woman's University.

BOWMAN, O. J., Associate Professor of Occupational Therapy. B.S., University of Wisconsin, Madison; M.S., Washington University, St. Louis; Ph.D., Texas A&M University.

CHANG, PEI-FEN J., Associate Professor of Occupational Therapy. B.S., National Taiwan University; M.S., University of Southern California; Ph.D., University of Texas Medical Branch.

EVETTS, CYNTHIA L., Associate Professor, Director of the School of Occupational Therapy. B.S., Texas A&M University; M.O.T., Texas Woman's University; Ph.D., Texas Woman's University.

FLETCHER, TINA S., Associate Professor of Occupational Therapy. B.S., University of Texas Medical Branch; B.F.A., East Texas State University; M.A., University of Alabama; M.F.A., Texas A&M University-Commerce; Ed.D., Texas A&M University-Commerce.

PICKENS, NORALYN D., Associate Professor of Occupational Therapy; Associate Director of the School of Occupational Therapy : Dallas. B.S., University of Wisconsin, Milwaukee; M.S., University of Wisconsin, Milwaukee; Ph.D., University of Wisconsin, Madison.

Assistant Professors

HAN, AREUM, Assistant Professor of Occupational Therapy. B.A., Yonsei University South Korea; M.S., University of Kansas; Ph.D., University of Kansas.

VAS, ASHA K., Assistant Professor of Occupational Therapy. B.O.T., Christian Medical College; M.A., St. Catherine University; Ph.D., The University of Texas at Dallas.

WASHINGTON, FERMOND (LEON) F., Assistant Professor of Occupational Therapy. B.S. Texas Woman’s University; M.S.W. Our Lady of the Lake University; Ph.D. Texas Woman’s University.

Visiting Assistant Professor

WREN, RENE', Visiting Assistant Professor of Occupational Therapy. B.S., Louisiana State University Health Sciences Center; O.T.D., Chatham University.

Associate Clinical Professors

BROWN, DIANE P., Associate Clinical Professor of Occupational Therapy. B.S., Baylor University; M.O.T., Texas Woman's University; Ph.D., University of North Texas.

BUCKINGHAM, DEBORAH K., Associate Clinical Professor of Occupational Therapy. B.S., Texas Woman's University; M.S., University of North Texas.

FETTE, CLAUDETTE A., Associate Clinical Professor of Occupational Therapy. B.S., Texas Woman's University; M.S., University of North Texas; Ph.D., Texas Woman's University.

Assistant Clinical Professors

HENNIGAN, MARY L., Assistant Clinical Professor of Occupational Therapy. B.A., Dominican University; M.B.A., University of Dallas; M.O.T., Texas Woman's University.

LOHMANN, ALICIA F., Assistant Clinical Professor of Occupational Therapy. B.S., Texas A&M University; M.O.T., Texas Woman's University.

MASON, VICKI C., Assistant Clinical Professor of Occupational Therapy. B.S., Murray State University; M.S., University of St. Francis.

SIT, WILLIAM (YAU CHI BOOGIE), Assistant Clinical Professor of Occupational Therapy. Professional Diploma, Hong Kong Polytechnic; M.A., Texas Woman's University; Ph.D., Texas Woman's University.

Master of Occupational Therapy (M.O.T.)

The Master of Occupational Therapy (http://www.twu.edu/occupational-therapy/master-ot.asp) program is a 28 month full-time educational commitment. Approximately 135 students are admitted and attend classes on the Denton, Dallas, and Houston campuses. Students are admitted to the Master of Occupational Therapy program once a year in the fall semester. Applications are accepted via OTCAS and must be submitted by October 15 for consideration for entry in the subsequent fall semester. Students are required to attend in the semester for which they are accepted and at the location assigned by the School of Occupational Therapy.

Total Semester Credit Hours Required

83 semester credit hours

Admission Requirements

- Completed online application to Texas Woman's University Graduate School through ApplyTexas
- Completed School of Occupational Therapy Application and Essay submitted via OTCAS
- Baccalaureate degree completed at time of enrollment
- Overall grade point average of 3.0 calculated on the last 60 credit hours before completion of baccalaureate degree or overall grade point average of 3.0 on 12 or more graduate credit hours.
- Report from the Graduate Record Examinations (GRE) taken within 5 years of application date
- Combined prerequisite course GPA of 3.0 or better, with no grade below a C on any prerequisite course. All prerequisite courses completed at time of application.
  - Elementary Statistics
  - Anatomy and Physiology I & II
  - Developmental Psychology
  - Abnormal Psychology
- Competency in Medical Terminology may be submitted after acceptance, prior to MOT program entry.
- MOT Applicant Clinical Observation Form completed by one licensed occupational therapist who can document a minimum of 20 contact hours of supervised observation with the applicant
- MOT Applicant Academic or Professional Reference Form to be completed by an individual who can best attest to the applicant's readiness for graduate level work. Reference from a college/university faculty member under whom the applicant has completed a course of study is preferred; however a professional reference from an employer or supervisor will receive equal consideration.

Please see the School of Occupational Therapy webpage for detailed application information.

Master of Occupational Therapy Program Requirements

Access to Agencies Providing Fieldwork Experiences

Master of Occupational Therapy coursework includes requirements that must be completed at clinical fieldwork sites. The responsibility of meeting the access requirements of agencies providing fieldwork placements belongs to the student at their own expense, following procedures outlined in the MOT Student Handbook. The School of Occupational Therapy does not guarantee student access to fieldwork sites. Inability to complete fieldwork requirements may result in a delay or failure to complete the MOT program.

Immunizations

Occupational therapy is a health care field. Each student must submit documentation that all required immunizations are current to Student Health Services at Texas Woman’s University **prior** to registration in any occupational therapy course. Immunizations must remain current throughout enrollment. Students who are out of compliance will be unable to participate in required fieldwork, fieldtrips or client interactions on campus which may result in a delay or halt of academic progression.

Background Check

A background check is required prior to registration in any occupational therapy course at the student's expense. Instructions for completing this requirement are provided after program admission.

Drug Screening

Enrollment in the MOT program requires students to submit to prescreening, periodic and random drug screens. Drug screen is conducted via the designated third party. Any student with a non-negative drug screen result or who refuses the test will be dismissed from the MOT program. Many fieldwork sites require additional drug testing which may be at the student's expense.

Cardiopulmonary Resuscitation Training (CPR)

Basic Life Support (BLS) for Healthcare Providers from the American Heart Association is required of all students in preparation for the requirements of fieldwork sites. This training is at the student's expense. Instructions for completing this requirement are provided after program admission.

Health Insurance

Many fieldwork sites require the student to have health insurance coverage.

Malpractice Insurance

Each student must present proof of ownership of malpractice insurance available in the state of Texas each academic year of enrollment. Student malpractice insurance is provided automatically through TWU with enrollment in fieldwork courses.

Time Limits

All academic courses must be completed within no more than 36 months. All fieldwork experiences in the Master of Occupational Therapy program must be completed within 24 months of academic coursework completion.

Grade Requirements

- Students must meet the academic requirements of the Graduate School throughout their course of study in the MOT Program.
- Students who earn a grade of D, F or WF in an occupational therapy course will be dismissed from the MOT program.
- Students placed under academic probation by the Graduate School a second time will be dismissed from the MOT program.

Final Examination

Successful completion of the capstone course is required prior to enrollment in Level II Fieldwork experiences.

Internship (Level II Fieldwork) Requirements

The Master of Occupational Therapy degree requires six months internship completed in three month rotations at two fieldwork sites. Fieldwork sites are independent agencies and maintain their own requirements. Fieldwork agencies may request proof of immunization (www.twu.edu/student-health-services/immunizations.asp), background checks, drug screens, proof of liability and/or personal insurance, CPR training, or fingerprinting. When this is required by an agency, all students assigned to that agency must meet any requirements *at their own expense*. Failure to meet the requirements may result in delay or failure to complete the M.O.T. program.

- All academic courses must be completed successfully before admission to Level II Fieldwork experiences.
- Students under academic probation may not progress to Level II fieldwork
- Any student failing to complete an assigned fieldwork experience with a passing grade may repeat fieldwork one time only. Permission to repeat the course must be obtained from the Director of the School of Occupational Therapy. Any second fieldwork failure will result in dismissal from the MOT program.
- All fieldwork experiences in the Master of Occupational Therapy program must be completed within 24 months of academic coursework completion.

Master of Occupational Therapy Curriculum Design

The School of Occupational Therapy offers a curriculum that is sequential and designed for completion of a specified set of integrated required courses each semester. Students progress through the program as a cohort. Courses in each semester are organized around three domains of content: Occupation, Process, and Practice. Within these three domains, there are strands of content that run longitudinally through the curriculum. The Occupation Domain consists of the theoretical bases of practice and the occupational participation strands. The Process Domain focuses on scholarly inquiry and principles of intervention. The Practice Domain is comprised of tools and modalities and professional reasoning courses with fieldwork experiences. Each semester of the program is a module made up of progressive integrated learning opportunities. Each module contains consistent elements of the strands of learning in a lifespan presentation that increase in complexity as the student progresses through the curriculum. In addition, students select two to three semester credit hours of elective credit from offered coursework, research practicum, or professional paper.

The degree plan below reflects the Master of Occupational Therapy curriculum (http://www.twu.edu/downloads/ot/MOT_Figure_2_for_web_9-10-12.pdf).

Master of Occupational Therapy Program of Study (83 semester credit hours)

First Semester		
OT 5163	Foundations of Occupational Therapy Practice	3
OT 5003	Clinical Neuroscience for Occupational Therapy	3
OT 5512	Movement in Context	2
OT 5132	Persons, Tools, and Occupations	2
OT 5142	Scholarly Inquiry in Occupational Therapy	2

Second Semester		
OT 5553	Occupational Participation in Early to Middle Adulthood	3
OT 5522	Occupational Adaptation: Early to Middle Adulthood Laboratory	2
OT 5823	Professional Reasoning and Fieldwork: Early to Middle Adulthood	3
OT 5001	Appraising Occupational Therapy Evidence	1
OT 5352	Evaluation Processes in Occupational Therapy	2
OT 5002	Applied Research Methods in Occupational Therapy	2
Summer		
OT 5122	Occupation, Wellness, and Adaptation	2
OT 5232	Mental Health and Social Participation	2
OT 5833	Professional Reasoning and Fieldwork: Mental Health and Community-Based Programs	3
OT Elective		
Fourth Semester		
OT 5563	Occupational Participation in Middle to Late Adulthood	3
OT 5722	Occupational Performance and Adaptation In Middle to Late Adulthood Laboratory	2
OT 5843	Professional Reasoning and Fieldwork: Older Adulthood	3
OT 5732	Assistive and Computer Technology Tools in Practice	2
OT 5753	Designing, Evaluating, and Managing Systems	3
OT Elective		
Fifth Semester		
OT 5573	Occupational Participation in Infancy And Childhood	3
OT 5322	Occupational Performance and Adaptation in Infancy and Childhood Laboratory	2
OT 5853	Professional Reasoning and Fieldwork: Infancy, Childhood, and Adolescence	3
OT 5932	Rehabilitation Technology in Practice	2
OT 5992	Professional Reasoning Capstone	2
OT Elective		
Fieldwork II - six months full time training		
All students must complete Option 1, but may then choose from options 2, 3, or 4, for second experience		24
Option 1:		
OT 5916	Adaptation to Physical Challenges in Adult Years I	
OT 5926	Adaptation to Physical Challenges in Adult Years II	
Option 2:		
OT 5936	Adaptation to Psychosocial Challenges Across the Life Span I	
OT 5946	Adaptation to Psychosocial Challenges Across the Life Span II	
Option 3:		
OT 5956	Adaptation to Physical or Psychosocial Challenges in Early Years I	
OT 5966	Adaptation to Physical or Psychosocial Challenges in Early Years II	
Option 4:		
OT 5976	Alternative Clinical Experience I	
OT 5986	Alternative Clinical Experience II	
Electives		2
OT 5022	Occupational Therapy Research Practicum	
OT 5202	Professional Paper in Occupational Therapy	
OT 5101	Professional Paper in Occupational Therapy	
OT 5812	Issues in Knowledge Bases	
OT 5822	Issues in Adaptation	
OT 5832	Issues in Practice Tools	
OT 5852	Issues in Occupational Therapy Process	
OT 5901	Special Topics	
OT 5903	Special Topics	
OT 5911	Independent Study	
OT 5913	Independent Study	

OT 5811	Specialty Field Experience	
Total Semester Credit Hours		83

Doctor of Occupational Therapy

The Doctor of Occupational Therapy (http://www.twu.edu/occupational-therapy/10376.asp) (OTD) degree is a post-professional clinical practice degree that engages practicing occupational therapists in leadership for advanced roles as master practitioner, advocate for client populations, and occupational therapy educator. The curriculum is designed to be experienced while active in the profession with learning activities integrated into clinical practice. The program is structured for continuous part-time enrollment utilizing distance education methods.

Admission Requirements

- Current occupational therapy license or registration
- Master level degree
- 3.2 minimum GPA on master level work
- Successful completion of the OTD application process inclusive of written application and interviews
- Admission to the TWU Graduate School
- Faculty mentor agreement

Degree Requirements

The OTD degree consists of 33 credit hours, 27 required and 6 elective (selected under the tutelage of a faculty mentor), including a doctoral capstone project. Optimum enrollment in the program is 6-7 hours per semester for a completion of the degree in approximately 5 to 6 semesters. The entire program must be completed within 6 years of initial registration.

Progression Requirements

- Students must meet the academic requirements of the Graduate School throughout their course of study in the OTD Program
- No course with a grade below B is accepted toward the OTD degree. If a student earns a grade below B in program courses, continuation of the degree program is reviewed by the student's advisory committee.
- Students who earn a D, F, or WF in an OTD course will be dismissed from the OTD program.
- Students placed under academic probation by the Graduate School a second time will be dismissed from the OTD program.

Curriculum Design

The curriculum consists of 2 components, core coursework and individually mentored professional development in an area of specialization.
Core coursework addresses professional leadership in three broad roles of master practitioner, advocate, and educator. While engaged in core coursework, students will simultaneously enroll in a series of individually mentored courses. Through this mentorship, students will create a professional development plan for specialty emphasis. This plan includes experiential learning in the field and a doctoral capstone project. Learning activities are experienced and integrated with clinical work and engagement in occupational therapy practice is an expectation. Courses are conducted primarily online with one or two campus visits per semester.

Doctor of Occupational Therapy Program of Study (33 semester credit hours)

Fall One: 2 Campus Visits		
OT 6823	Current Issues and Trends in Occupational Therapy	3
OT 6103	Mentored Professional Development I	3
OT 6101	Professional Development Core I	1
Spring One: 1 Campus Visit		
OT 6133	Advanced Evidence-Based Occupational Therapy Practice	3
Elective		3
Summer One: 1 Campus Visit		
OT 6553	Applied Research Design and Methods	3
OT 6203	Mentored Professional Development II	3
OT 6201	Professional Development Core II	1
Fall Two: 2 Campus Visits		
OT 6223	Theory and Knowledge Development in Occupational Therapy	3
OT 6243	Learning Designs for Occupational Therapy Knowledge	3
Spring Two: 1 Campus Visit		
Elective		3

OT 6301	Professional Development Core III	1
OT 6303	Mentored Professional Development III	3
Total Semester Credit Hours		33

Doctor of Philosophy in Occupational Therapy

Vision Statement

The PhD in Occupational Therapy (http://www.twu.edu/occupational-therapy/phd.asp) is primarily a research degree that prepares occupational therapists for advanced scholarly careers in academia and practice. At the completion of the PhD program in Occupational Therapy, the graduate will have demonstrated the ability to contribute new or expanded knowledge, skills, and attitudes to the discipline/practice of occupational therapy, as evidenced by publications in peer reviewed journals, and national presentations at peer reviewed professional conferences. The graduate will have demonstrated competency in the development and completion of a program of research that is judged to be consistent with performance expected for the degree by internal and external reviewers.

Graduates of the TWU PhD/OT program will have acquired the level of knowledge and the ability to demonstrate the performance competencies that are consistent with program's vision statement.

Knowledge – Graduates of the program will be *:*

- Firmly grounded in the theories of occupation that form the core concepts and assumptions of OT practice.
- Well-schooled in research method and analysis that is applicable to everyday practice.
- Able to apply sound andragogy within educational contexts.

Performance Competencies – Graduates of the program will have successfully *:*

- Used occupation-based theory to conduct research that translates the results directly into the everyday practice of occupational therapy.
- Participated with mentor in the development and submission of a grant and/or research proposal.
- Initiated the development/evolution of a collaborative research network.
- Presented and/or co-presented with mentor on research findings – professional conferences.
- Developed and submitted manuscripts on research findings – may be co-authored with mentor and research committee.
- Taught/co-taught in a graduate course, professional workshop, or other venue as approved by mentor.

Curriculum

Total semester credit hours required

The PhD degree plan must include a minimum of 90 semester credit hours of masters/doctoral level coursework beyond the bachelor's degree. Coursework that was completed as part of a related master's or doctoral degree may (with approval) be applied to the Ph.D. degree plan (maximum of 45 semester credit hours). TWU PhD coursework (including dissertation) that is included on the Ph.D. degree plan must be completed within 10 years of the first completed course as a TWU PhD student. In addition, more than 50% of the semester credit hours included on the TWU PhD degree plan must be awarded at TWU.

Pre-dissertation Course Work

The student coordinates all initial enrollment through the PhD coordinator. All PhD degree plans are individualized and should be finalized during the fall semester of 2nd year course work. The student must complete all Research Tool coursework identified on the student's degree plan before the semester in which the student sits for the qualifying exam. The student must complete all coursework identified as a Required Course on the student's degree plan by the close of the semester in which the student sits for the qualifying exam.

Qualifying Examination

The overall purpose of the PhD qualifying exam is to 1) stimulate the student's synthesis of knowledge, 2) evaluate the student's progress in acquiring necessary knowledge and skills at the PhD level, and 3) evaluate the student's potential to be successful in conducting dissertation level research. Students must satisfactorily complete the qualifying examination before they are eligible to become a doctoral candidate and enroll in dissertation course work. Students may petition to sit for the examination in the fall or spring semester preceding the exam. The exam is offered twice a year. Dependent on the recommendation of the student's Qualifying Exam Committee the qualifying examination may be repeated once.

Dissertation Final Examination

PhD candidates must demonstrate successful completion and oral defense of their dissertation research proposal. Dependent on the recommendation of the student's Research Committee, the proposal defense may be repeated once.

Doctoral candidates must demonstrate successful completion and oral defense of their dissertation project. Dependent on the recommendation of the student's Research Committee, the dissertation defense may be repeated once.

Doctor of Occupational Therapy Program of Study (90 semester credit hours)

The organized class courses are offered in a blended format with both online and face-to-face learning. Face-to-face seminars occur at the beginning and end of each Fall/Spring semester, and once in Summer.

Knowledge Base		
OT 6223	Theory and Knowledge Development in Occupational Therapy	3
OT 6243	Learning Designs for Occupational Therapy Knowledge	3
OT 6353	Neuroscience Applications: Occupational Therapy and Adaptation	3
OT 6343	Theory of Occupational Adaptation	3
OT 6333	Occupation in Context	3
Research Tools		
OT 6553	Applied Research Design and Methods	3
OT 6363	Statistical Analysis in Occupational Therapy	3
OT 6643	Advanced Qualitative Methods in Occupational Therapy	3
OT 6623	Instrumentation for Measuring Occupational Performance	3
Academic Advisory Committee approved elective in Advanced Quantitative Analysis		3
Electives		6
Select 6 semester credit hours from the following:		
OT 6253	Scholarly Writing in Occupational Therapy	
OT 6643	Advanced Qualitative Methods in Occupational Therapy	
OT 6823	Current Issues and Trends in Occupational Therapy	
OT 6373	Grant Writing in Occupational Therapy	
OT 6433	Teaching Practicum in Occupational Therapy	
OT 6913	Independent Study (Requires Academic Advisory Committee approval. Outside Electives may be included in degree plan under advisement of Research Mentor. Students are encouraged to take advantage of graduate coursework outside of TWU and/or OT to broaden/strengthen his or her program of study.)	
Qualifying Examination		
OT 6563	Programmatic Research Planning (Required)	3
Dissertation		
OT 6983	Dissertation (Repeated through semester of successful proposal defense)	3
OT 6993	Dissertation (Repeated through semester of successful final defense)	3

School of Physical Therapy

Web Site: http://www.twu.edu/physical-therapy/

Director: *Ann Medley (Dallas), Professor*

Associate Directors:
Peggy Gleeson (Houston), Professor
Mary Thompson (Dallas Interim), Professor

Location for information: *HDB 202*
Phone: *940-898-2460*
Fax: *940-898-2853*
E-mail: *pt@twu.edu*

Graduate Degrees Offered

- Doctor of Physical Therapy - Professional (p. 317) (to prepare for entry into the profession of physical therapy)
- Doctor of Physical Therapy - Transitional (p. 318)
- Ph.D. in Physical Therapy (p. 319)

The School of Physical Therapy offers coursework leading to three separate graduate degrees. The professional Doctor of Physical Therapy degree is designed for students who wish to enter the professional field of physical therapy and who hold baccalaureate degrees in other areas. The transitional Doctor of Physical Therapy degree is offered for students who are practicing physical therapists wishing to focus on specific areas for in-depth study. Finally, the Doctor of Philosophy degree is offered to encourage individuals with a professional degree in physical therapy to prepare for future education or research careers.

The Doctor of Physical Therapy degree curriculum for students who wish to enter the field of physical therapy and who hold baccalaureate degrees in other areas is accredited by the Commission on Accreditation in Physical Therapy Education. This program requires a minimum of 33 months of study and provides the basic preparation required for national licensure examination. The program begins each fall semester at Texas Woman's University's Houston Institute for Heath Sciences, and T. Boone Pickens Institute of Health Sciences at the Dallas Center.

The School also offers coursework toward a transitional Doctor of Physical Therapy degree to physical therapists. The program is offered at both the Houston and Dallas Centers. Courses are offered in weekend and distance learning formats.

The Doctor of Philosophy degree in physical therapy at Texas Woman's University produces graduates who can become leaders in the field of physical therapy and who are well-prepared to pursue careers in education and research in physical therapy. The curriculum for the Ph.D. provides an environment in which the student analyzes available scientific literature and methodology relevant to solving clinical problems and information in order to conduct productive research. Objectives of the Ph.D. program are:

1. to increase the professional knowledge and the skills necessary for physical therapists;
2. to give breadth and depth to the therapist's education and research through further study in related and interdisciplinary fields;
3. to synthesize the many areas of knowledge with the student's ability to conduct research, solve problems, set goals, plan programs, evaluate, and make decisions pertinent to the area of physical therapy.

The Ph.D. program is offered via on-line and on-campus learning experiences in Dallas and Houston.

Admissions

Admission Requirements

Please see the admission section at the front of this catalog. In addition to these general requirements, the School of Physical Therapy requires the following. (Visit the School of Physical Therapy website (http://www.twu.edu/physical-therapy) for recent updates.)

Professional Doctor of Physical Therapy Degree – an entry-level degree for students who already have a Bachelor of Science or equivalent degree in another field and who are seeking to become physical therapists.

Students with a baccalaureate degree in any major must complete the following prerequisites before registering in the graduate division. They must also meet all requirements for admission to the Graduate School and be accepted by the PT Admissions Committee. A minimum of 3.0 GPA from the last 60 semester credit hours and and a minimum of 3.0 in the math and science prerequisite GPA is required for admission. Admission is competitive.

Prerequisites

1. Two semesters of chemistry with laboratory (Chemistry for non-science majors does not meet this prerequisite).
2. Two semesters of algebra-based physics with laboratory (Physics for non-science majors does not meet this prerequisite).

3. One semester of college algebra or higher (excluding statistics).
4. Two semesters of psychology (excluding statistics) including general or introductory psychology and one of the following: lifespan developmental psychology, abnormal psychology or physiological psychology.
5. Two semesters of anatomy and physiology with labs.
6. Course in medical terminology.
7. Current certificates in CPR and AED from the American Heart Association (before entering the program).
8. Competitive scores on the verbal, quantitative, and writing tests of the Graduate Record Examination.
9. Exercise physiology, statistics, advanced physiology, and neuroanatomy/physiology are strongly recommended.
10. A minimum 80 hours observing 2 physical therapists from differently own facilities (40 hours each). Applicants must have both inpatient and outpatient experiences. (Submitted through PTCAS).
11. Third recommendation may be from employer, professor or 3rd physical therapist from a 3rd facility (Submitted through PTCAS).
12. TOEFL-with departmental minimum scores in each area, only if bachelor's degree is not from the USA, contact school for details.

The student may be in the process of completing prerequisites and bachelor's degree when he or she applies. After acceptance, in order to enroll, the student must have successfully completed a bachelor's degree and all outstanding prerequisites (courses yet to complete) with grades of A or B (C grades may be reviewed by the admissions committee). Applicants receiving an offer must have a minimum GPA of 3.0 on both their last 60 hours GPA and the prerequisites GPA at the time of application and maintain both GPA's before beginning the program. Note: The averages of our accepted students are much higher. Prior to enrolling, students must have had immunizations as required by the state of Texas, including 3-Hepatitis B, Tdap (with 9 years), 2- MMR, 2-varicella, TB test (last 6 months), and Hepatitis C testing. In addition, a flu shot is required in the fall of every year while in the program. Admission to the physical therapy program is competitive and separate from admission to the Graduate School. A limited number of students can be accepted due to limited availability of clinical facilities, space, and faculty.

Please note that entry to the profession in all states requires licensure. Many states have different provisions for licensure, so applicants must determine if they meet these requirements. It is the responsibility of the applicants to insure that they meet requirements for application for licensure in Texas. Testing for drugs and a criminal background check are required during the first semester of the program. If students are unable to be cleared on these requirements, then they may not be eligible to continue in the program.

Application Procedure

Doctor of Physical Therapy - Professional

The application cycle begins in July and the final deadline for receipt of materials is approximately October 15th. (See website for exact date as it can change year to year http://www.twu.edu/physical-therapy/entry-level-dpt.asp). The PTCAS application **opens July 1st one year in advance.** Each Applicant must submit the following before the **deadline in October:**

- Online graduate application to TWU on Apply Texas www.applytexas.org (http://www.applytexas.org) with fee.
- Online application on PTCAS www.ptcas.org (http://www.ptcas.org) with fee and TWU supplemental materials completed (essay, campus preference).
- Official transcripts from all colleges and universities attended sent to BOTH TWU and PTCAS.
- Official GRE scores sent to PTCAS and TWU (use code 1673)
- Resume –emailed to PT@twu.edu Resume containing data on personal, educational, employment, service and exposure to physical therapy or health care environment.
- Prerequisite Form-emailed to pt@twu.edu (Form found on the PT website)

All coursework from a foreign university must be evaluated by TWU's International Education evaluator to establish U.S. equivalencies. International students must also submit a minimum acceptable score for the TOEFL tests and meet all Graduate School requirements for international applicants (please refer to the TWU International Education (http://catalog.twu.edu/graduate/graduate-school/admission-graduate-school/international-students) for requirements and exemptions). The School of Physical Therapy requires TOEFL scores of at least 24-writing, 26-speaking, 21-reading comprehension, and 18-listening comprehension. International students may be required to come for an interview prior to notification of final status.

NOTE: It is advantageous to apply as early as possible in order for you to receive notification if all materials have been received.

Doctor of Physical Therapy -Transitional (for students who already have entry-level preparation as a physical therapist)

Students who are practicing clinicians may apply at any time during the year. In addition to the general university requirements these students must present the following:

- Proof of graduation from an approved entry-level physical therapy program.
- A license to practice physical therapy in the United States.
- Bachelor's or Master's degree or educational equivalent.

- A resume/curriculum vitae.
- One year of full-time physical therapy experience.
- All coursework from a foreign university must be evaluated by TWU's International Education Office to establish U.S. equivalencies.

Doctor of Philosophy

Students interested in the Ph.D. program may apply at any time. In addition to the general requirements, the School of Physical Therapy requires the following for admission to the doctoral program:

- Proof of graduation from an approved entry-level physical therapy program.
- A license to practice physical therapy in the United States or a minimum of 24 months of full time clinical practice (beyond that required for entry-level education) within the last 3 years, is preferred.
- A basic course in statistics within the last 10 years.
- A minimum GPA of 3.0 on a 4.0 system.
- Two letters of recommendation, preferably including the latest employer and/or last school attended.
- A written statement indicating the current focus of professional and research interests including an evaluation of personal strengths and weaknesses.
- A resume/curriculum vitae.
- GRE scores preferred but not required.
- An interview is required. An interview by telephone or with technology may be arranged if circumstances preclude an on-site interview.
- International students must also submit a minimum acceptable score for the TOEFL tests and meet all Graduate School requirements for international applicants (please refer to the TWU International Education website (http://www.twu.edu/admissions/toefl-requirements-exemptions.asp) for requirements and exemptions). The School of Physical Therapy recommends TOEFL scores of at least 24-writing, 26-speaking, 21-reading comprehension, and 18-listening comprehension.
- All coursework from a foreign university must be evaluated by TWU's International Education evaluator to establish U.S. equivalencies.

Certificates

Advanced Practice – Graduate Certificates

Graduate Certificates are available in three areas of practice: Advanced Geriatric Physical Therapy, Advanced Neurologic Physical Therapy, and Women's Health Physical Therapy. The certificates consist of 12 graduate semester credit hours which can be included as part of the post-professional Doctor of Philosophy degree upon admission as a degree-seeking student.

- Post-Baccalaureate Certificate in Advanced Geriatric Physical Therapy (p. 320)
- Post-Baccalaureate Certificate in Advanced Neurologic Physical Therapy (p. 321)
- Post-Baccalaureate Certificate of Advanced Studies in Women's Health Physical Therapy (p. 321)

Minors

Minors Offered to Students from Other Departments

A minor is available to licensed physical therapists majoring in other departments.

Courses

PT 6001. Critical Inquiry in Physical Therapy I. Application of the scientific method to research questions in physical therapy. Includes planning of research projects aimed at making contributions to evidence-based physical therapy practice. One contact hour a week. Credit: One hour.

PT 6002. Primary Care in Physical Therapy. Overview of the primary care model of medicine in the context of physical therapy practice; includes medical screening and interdisciplinary collaboration. Two lecture hours a week. Credit: Two hours.

PT 6003. Exam, Evaluation, and Outcomes in Physical Therapy. Practical application of the evaluation strategies associated with functional assessment in physical therapy; emphasis on evidence-based functional assessment, principles, techniques, and related impairment measures. Two lecture and three laboratory hours a week. Credit: Three hours.

PT 6011. Critical Inquiry in Physical Therapy II. Application of the scientific method to research in physical therapy. Collaboration with faculty advisors to implement projects proposed in Critical Inquiry I. Prerequisite: PT 6001. Four contact hours a week. Credit: One hour.

PT 6013. Supervised Teaching in Physical Therapy. Supervised teaching for physical therapy students. Laboratory teaching under close supervision of the faculty. Weekly meetings with the instructor, individual consultation, and reports. Prerequisites: Degree in physical therapy and permission of instructor. Seven practicum hours a week. Credit: Three hours.

PT 6014. Clinical Management in Internal Medicine. Gross and histological reactions of tissue, organs, and systems to injury or disease; correlation of pathology with clinical signs and symptoms; medical management of disease processes, genetic conditions, and injuries commonly seen by physical therapists with emphasis on internal medicine. Four lecture hours a week. Credit: Four hours.

PT 6015. Human Gross Anatomy. Study of the structure and function of the human body; introduction to surface anatomy, radiology, embryology, and histology through regional dissection of the body. Three lecture and six laboratory hours a week. Credit: Five hours.

PT 6021. Critical Inquiry in Physical Therapy III. Application of the scientific method to research in physical therapy. Evaluation, summary, and presentation of project results in a public forum. Prerequisite: PT 6011. Four contact hours a week. Credit: One hour.

PT 6022. Clinical Management of the Musculoskeletal System. Pathology and medical management of disease processes, genetic conditions, and injuries commonly seen by physical therapists with emphasis on musculoskeletal disorders. Two lecture hours a week. Credit: Two hours.

PT 6023. Research for Clinical Scientists in Physical Therapy. Research design and statistical analysis; critical evaluation of published research relevant to physical therapy; scientific writing; preparation for conducting clinical research. Three lecture hours a week. Credit: Three hours.

PT 6024. Clinical Neuroscience. Organization and physiological function of the human nervous system with emphasis on topics relevant to the practice of physical therapy. Three lecture and two laboratory hours a week. Credit: Four hours.

PT 6032. Clinical Management of the Neuromuscular System. Pathology and medical management of disease processes, genetic conditions, and injuries commonly seen by physical therapists with emphasis on neuromuscular disorders. Two lecture hours a week. Credit: Two hours.

PT 6033. Research in Physical Therapy. Critical analysis of published research relevant to physical therapy; securing and evaluating evidence for clinical decision-making; research design and statistical analysis; and preparation for participation in collaborative research. Three lecture hours a week. Credit: Three hours.

PT 6041. Introduction to Exercise Testing and Prescription in Physical Therapy. Basic physiological responses to activity or exercise and physiological adaptations in response to training; energy storage and utilization as well as exercise prescriptions for healthy individuals and clients with selected diseases. Student participation in exercise testing and programs during lab sessions. Two laboratory hours a week. Credit: One hour.

PT 6043. Statistical Methods I for the Health Care Professional. Application of statistical procedures to answer health-related research questions or problems. Analyzing, interpreting, and reporting results of univariate, one-factor analyses of health care data. Three lecture hours a week. Credit: Three hours.

PT 6061. Basic Physical Therapy Skills. Application of physical therapy treatment procedures with primary emphasis on such basic patient care techniques as transfers, positioning, assisted exercise, and assisted gait. Two laboratory hours a week. Credit: One hour.

PT 6072. Developmental Concepts: Adolescence to Geriatrics. Changes associated with age in the neurosensory, neuromuscular, cardiovascular, pulmonary, integumentary, and musculoskeletal systems as related to physical therapy management. One lecture and two laboratory hours a week. Credit: Two hours.

PT 6073. Medical Kinesiology. Physical therapy analysis of biomechanical and kinesiological principles of human movement and function with emphasis on the relationships among movement, structure, and force. Two lecture and two laboratory hours a week. Credit: Three hours.

PT 6082. Professional Practice in Physical Therapy. Orientation to professional aspects of physical therapy, including communication, cultural competence, documentation, ethics, evidence-based practice, legal issues, and effective teaching strategies. Two lecture hours a week. Credit: Two hours.

PT 6083. Advanced Instrumentation in Physical Therapy. Technical and practical considerations necessary for the effective use of instrumentation common in the physical therapy and rehabilitation fields. Three lecture hours a week. Credit: Three hours.

PT 6101. Practicum in Physical Therapy. Supervised experience in a specialized area of interest such as administration, teaching, research, or advanced evaluation and treatment procedures. Prerequisites: Degree in physical therapy and permission of instructor. May be repeated for credit. Four practicum hours a week. Credit: One hour.

PT 6102. Practice Management Issues I. Application of practice management issues in the physical therapy setting: emphasis on communication, documentation, supervision, reimbursement, time management, and psychosocial aspects of patient care in preparation for first clinical affiliation. Two lecture hours a week. Credit: Two hours.

PT 6103. Advanced Practicum in Physical Therapy. Supervised experience in a specialized area of interest such as administration, teaching, research, or advanced evaluation and treatment procedures. Prerequisites: Degree in physical therapy and permission of instructor. Nine practicum hours a week. Credit: Three hours.

PT 6111. Practice Management Issues II. Overview of various influences within the health care environment, including payment systems, development of public policy and legislation, and the scope of physical therapy practice at the local, state, and federal levels. Prerequisite: PT 6102. One lecture hour a week. Credit: One hour.

PT 6113. Directed Practicum in Physical Therapy. Directed practical experience in a specialized area of physical therapy; content may include teaching, administration, research, or application of advanced clinical procedures. Prerequisites: Degree in physical therapy and permission of instructor. Eight practicum hours a week. Credit: Three hours.

PT 6121. Practice Management Issues III. Exploration of the leadership role of the physical therapist as a manager of clinical services. Prerequisite: PT 6111. One lecture hour a week. Credit: One hour.

PT 6122. Prostheses, Orthoses, and Advanced Gait. Pathological gait of patients with neuromuscular, musculoskeletal, and/or integumentary involvement. Includes prostheses, orthoses, changes in gait across the lifespan, energy costs, therapeutic interventions, and patient/family education. One lecture and two laboratory hours a week. Credit: Two hours.

PT 6123. Physical Therapy Patient/Client Management. Knowledge and skills to enhance the clinical decision-making process, including screening, physical therapy examination, evaluation of findings, diagnosis, prognosis, plan of care development, intervention, and outcome measurement in clients with disorders managed by physical therapists. Three lecture hours a week. Credit: Three hours.

PT 6131. Practice Management Issues IV. Overview of healthcare delivery and payment systems related to physical therapy practice. Includes governmental and legal parameters, and current issues facing the continuum of care. Prerequisite: PT 6121. One lecture hour a week. Credit: One hour.

PT 6141. Clinical Integration I. Integration of curricular content to date within the framework of a collaborative problem-based learning model; emphasis on clinical reasoning and problem solving. One lecture hour a week. Credit: One hour.

PT 6142. Health Promotion and Wellness I. Overview of health promotion, fitness, and wellness strategies for well individuals and those with functional limitations commonly seen in physical therapy practice; emphasis on attitudes towards health, illness, and disability and their effect on individual goals, motivations, and interpersonal relationships. Two lecture hours a week. Credit: Two hours.

PT 6143. Leadership and Management in Physical Therapy. Principles of leadership and management for physical therapy practice, including ethical behaviors and beliefs; change management; motivating, coaching, and mentoring; life-long learning; business and strategic planning; financial management; personnel recruitment and retention; liability issues and risk management; effective marketing and consulting skills. Three lecture hours a week. Credit: Three hours.

PT 6151. Psychosocial Aspects of Rehabilitation. Psychosocial issues related to physical therapy; includes the roles of mental health professionals, advocates, and family; patient-therapist communication; sexuality and disability; and abuse. One lecture hour a week. Credit: One hour.

PT 6152. Health Promotion and Wellness II. Public health, social responsibility, and participation in physical therapy practice; emphasis on improving health outcomes in well and disabled populations. Prerequisite: PT 6142. One lecture and two practicum hours a week. Credit: Two hours.

PT 6153. Advanced Diagnostic Imaging for the Physical Therapist. Principles and production of diagnostic imaging; terminology and psychometric properties of imaging tools; integration of diagnostic imaging information into physical therapy examination, evaluation, and intervention. Three lecture hours a week. Credit: Three hours.

PT 6161. Therapeutic Exercise and Intervention IV. Advanced soft tissue interventions and complementary exercise approaches to physical therapy patient care. Prerequisite: PT 6162. Two laboratory hours a week. Credit: One hour.

PT 6162. Therapeutic Exercise and Intervention II : Lower Quadrant. Use of therapeutic exercise and other interventions (e.g., soft tissue techniques, orthotics/taping, and integration of therapeutic modalities) for the treatment of impairments; activity limitations; and participation restrictions in patients who have musculoskeletal, neuromuscular, or integumentary system involvement of the lower quadrant. Prerequisite: PT 6173. One lecture and two laboratory hours a week. Credit: Two hours.

PT 6171. Therapeutic Exercise and Intervention III: Upper Quadrant. Use of therapeutic exercise and other interventions (e.g., soft tissue techniques, orthotics/taping, and integration of therapeutic modalitites) for the treatment of impairments and functional/activity limitations in patients of all ages who have musculoskeletal, neuromuscular, or integumentary system involvement of the upper quadrant. Prerequisites: PT 6173 and PT 6162. Two laboratory hours a week. Credit: One hour.

PT 6173. Therapeutic Exercise and Intervention I. Principles of basic therapeutic exercise, soft tissue techniques, and adjunctive biophysical agents; emphasis on management of patients in the acute phase of recovery/healing from soft tissue injuries or surgery, including detection/prevention of post-operative complications and adverse effects of immobilization. Two lecture and two laboratory hours a week. Credit: Three hours.

PT 6181. Professional Development for the Physical Therapist. Exploration of issues related to maintaining and expanding professional competence in the broad context of physical therapy practice. Prerequisites: PT 6082, PT 6102, PT 6111, and PT 6121. One lecture hour a week. Credit: One hour.

PT 6191. Applied Statistical Methods for the Health Care Professional. Application of appropriate statistical analysis to health care related clinical research examples and datasets with appropriate rationale for selected analysis. Prerequisites: PT 6043 and PT 6243. One lecture hour a week. Credit: One hour.

PT 6193. Psychometric Properties of Rehabilitatio. Assessment of the uses, advantages, reliability, validity, and sources of error of evaluation procedures and measurement tools commonly used in physical therapy. Three lecture hours a week. Credit: Three hours.

PT 6203. Orthopedic Evaluation and Treatment of the Geriatric Client. The study of orthopedic assessment and treatment applied to the geriatric client. Includes background information on aging theories and age-related changes but focus is on evaluation, PT differential diagnosis, and rehabilitation of orthopedic problems common to the elderly. Three lecture hours a week. Credit: Three hours.

PT 6213. Computer Applications in Physical Therapy Research. Application of research design and computer systems to problems in physical therapy research. Emphasis on advanced computational skills for the clinical researcher and academician. Three lecture hours a week. Credit: Three hours.

PT 6243. Statistical Methods II for the Health Care Professional. Application of advanced statistical procedures to health-related research questions or problems. Analyzing, interpreting, and reporting results of multivariate, multi-factor, and regression analyses of health care data. Prerequisite: PT 6043. Three lecture hours a week. Credit: Three hours.

PT 6263. Illness Prevention and Health Promotion. Recognize public health issues across the lifespan and resources relevant to physical therapist practice, including basic nutrition; designing plans for preventing illness and promoting health and wellness for selected populations. Three seminar hours a week. Credit: Three hours.

PT 6302. Integumentary Physical Therapy. Integration of basic and clinical sciences in the physical therapy examination, differential diagnosis, and treatment of patients with pathologies, impairments, and disabilities involving the integumentary and vascular systems. One lecture and two laboratory hours a week. Credit: Two hours.

PT 6303. Field Research in Physical Therapy. Designs, data collection techniques, and analyses for field research in physical therapy. Critical application of surveys, observational studies, case studies, and single case designs to clinical field problems in physical therapy. Emphasis is on the development of analytical skills requisite for field research in physical therapy. Prerequisites: Degree in physical therapy and permission of instructor. Seven practicum hours a week. Credit: Three hours.

PT 6323. Neuromuscular Physical Therapy I. Principles of evaluation and physical therapy treatment of patients with neuromuscular complications associated with brain injury and cerebral vascular accident; emphasis on current theories of motor control and therapeutic interventions. Two lecture and three laboratory hours a week. Credit: Three hours.

PT 6333. Health Care Delivery Systems. Overview of health delivery systems in the U.S. and Texas. Emphasis on government and private sector involvement in health services to older adults with applications for the physical therapist. Three lecture hours a week. Credit: Three hours.

PT 6343. Neuromuscular Physical Therapy II. Principles of evaluation and physical therapy treatment of patients with neuromusculoskeletal conditions including, but not limited to, spinal cord injury and vestibular disorders; emphasis on current treatment models. Prerequisite: PT 6323. Two lecture and two laboratory hours a week. Credit: Three hours.

PT 6353. Pediatric Physical Therapy. Normal motor, cognitive, and psycho-social development; neonatology; evaluation and treatment of children with developmental disorders and other chronic medical conditions; pediatric sports medicine; and legal and ethical considerations. Two lecture and two laboratory hours a week. Credit: Three hours.

PT 6363. Musculoskeletal Physical Therapy: Lower Quadrant. Principles of evaluation and physical therapy treatment of patients with musculoskeletal problems of the lumbar spine, pelvis, and lower extremities; emphasis on manual therapy strategies. Two lecture and three laboratory hours a week. Credit: Three hours.

PT 6373. Musculoskeletal Physical Therapy: Upper Quadrant. Evaluation and physical therapy management of patients with musculoskeletal disorders of the cervico-thoracic spine and upper extremity; emphasis on manual therapy and functional rehabilitation. Two lecture and three laboratory hours a week. Credit: Three hours.

PT 6383. Cardiopulmonary Physical Therapy. Physical therapy evaluation and management of patients with cardiovascular and/or pulmonary diseases. Emphasis on the integration of results from diagnostic tests and measures with physical findings in order to develop plans of care and implement appropriate intervention. Two lecture and two laboratory hours a week. Credit: Three hours.

PT 6403. Neuromuscular Integration and Applications. A comprehensive foundation for the management of the person with a neuromuscular pathology for the practicing physical therapist using the older person post-stroke as a model. Emphasis on securing and applying relevant in-depth information. Three lecture hours a week. Credit: Three hours.

PT 6413. Cardiopulmonary Integration and Application. A comprehensive foundation for the management of persons with cardiovascular and/or pulmonary pathology for the practicing physical therapist using the older person as a model. Emphasis on securing and applying relevant in-depth information. Three lecture hours a week. Credit: Three hours.

PT 6453. Principles Geriatric Physical Therapy II. Aging theories and age-related changes; chronic problems associated with aging, critical examination of anti-aging research, and effect of physical aging on other dimensions of life; applications for therapist practice including health promotion and wellness. Three lecture hours a week. Credit: Three hours.

PT 6483. Principles of Geriatric in Physical Therapy I. Principles of gerontology with emphasis on psychological processes and social aspects of aging with implications for physical therapists. Three lecture hours a week. Credit: Three hours.

PT 6503. Introduction to Grantsmanship in Physical Therapy. Overview of concepts in constructive research leading to competitive grantsmanship for physical therapists. May include invited presentations of funded projects, exemplary research proposals, and grant management. Students will identify funding sources and develop a grant proposal. Prerequisites: PT 6023 and PT 6193, or equivalent, or permission of instructor. Three lecture hours a week. Credit: Three hours.

PT 6513. Topics in Evidence-Based Practice. Search and appraisal of evidence for tests and measures, interventions, diagnosis, and prognosis used in advanced physical therapist practice; clinical decisions based on the evidence. Three lecture hours a week. Credit: Three hours.

PT 6523. Teaching and Learning in Physical Therapy. Preparation for careers in physical therapy higher education; concepts and techniques of effective teaching and enhanced learning, such as theories of learning, teaching styles, methods of instruction, syllabus development, and evaluation/assessment processes. Three lecture hours a week. Credit: Three hours.

PT 6533. Academic Issues in Physical Therapist Education. Organizational and functional aspects of graduate professional educational program. Includes university structure and governance, models of scholarship, faculty roles, faculty issues (tenure, promotion, academic freedom, development), student issues (recruitment, retention, advising/mentoring), and clinical education. Three lecture hours a week. Credit: Three hours.

PT 6603. Female Anatomy for Physical Therapists. Anatomy and physiology of urogenital and endocrine systems of women. Includes cadaveric dissection and laboratory study of female reproductive tract, external genitalia, pelvic floor, breasts, and related structures. Two lecture and two laboratory hours a week. Credit: Three hours.

PT 6613. Women's Health for Physical Therapists. Specialization and evidence-based practice in women's health, medical and physical therapist management of common conditions and procedures, and issues for female athletes. Three seminar hours a week. Credit: Three hours.

PT 6623. Physical Therapy Management of Women's Health I. Physical therapist management of women with focus on musculoskeletal issues of pelvis and abdomen for the non-pregnant woman. Includes pelvic examination for physical therapist practice, differential diagnosis, and evidence-based interventions. Two lecture and two laboratory hours a week. Credit: Three hours.

PT 6633. Physical Therapy Management of Women's Health II. Physical therapist management of women with focus on musculoskeletal issues of pelvis and abdomen for the pregnant woman. Includes management of high risk pregnancy and post-partum care. Prerequisite: PT 6623. Two lecture and two laboratory hours a week. Credit: Three hours.

PT 6663. Advanced Differential Diagnosis in Orthopedic Physical Therapy. Principles of differential diagnosis in orthopedic manual therapy; development of critical clinical thinking in orthopedics, basic medical screening, rational differential diagnosis, and selection of manual and mechanical interventions of the musculoskeletal system. Three lecture hours a week. Credit: Three hours.

PT 6673. Intermediate Evaluation and Mobilization: Lower Quadrant. Interpretation of basic science knowledge and development of clinical skills needed to complete a differential evaluation and proceed to effective treatment of spinal dysfunction. Two lecture and two laboratory hours a week. Credit: Three hours.

PT 6683. Intermediate Evaluation and Mobilization: Upper Quadrant. Interpretation of basic science knowledge and development of clinical skills needed to complete a differential evaluation and proceed to effective treatment of craniofacial region dysfunction, and cervical and thoracic spine dysfunction. Two lecture and two laboratory hours a week. Credit: Three hours.

PT 6731. Preliminary Clinical Experience. Supervised, part time, onsite exposure to the inpatient clinical environment. Emphasis on observation and reflection of characteristics of professional practice as demonstrated by various health care providers. Four clinical hours a week. Credit: One hour.

PT 6733. Clinical Experience I. First of three supervised full-time clinical experiences. Application of physical therapy knowledge, skills, and behaviors appropriate to patient and practice management in the acute care setting. One lecture and sixteen clinical hours a week. Credit: Three hours.

PT 6802. Clinical Integration II. Clinical decision-making for complex patients with multi-system involvement; includes practice management issues such as accountability and outcomes assessment. Prerequisite: PT 6141. Two lecture hours a week. Credit: Two hours.

PT 6804. Clinical Experience II. Second of three supervised full-time clinical experiences; application of physical therapy knowledge, skills, and behaviors appropriate to patient and practice management in either the orthopedic or neuro-rehabilitation setting. Prerequisite: PT 6733. Eighteen to twenty clinical hours a week. Credit: Four hours.

PT 6814. Clinical Experience III. Third of three supervised full-time clinical experiences; application of physical therapy knowledge, skills, and behaviors appropriate to patient and practice management in either the orthopedic or neuro-rehabilitation setting. Prerequisite: PT 6804. Eighteen to twenty clinical hours a week. Credit: Four hours.

PT 6816. Clinical Internship. Directed clinical internship in selected area(s) of physical therapy practice culminating in effective clinical decision making for autonomous practice and professional development. Prerequisite: PT 6814. Thirty-two clinical hours a week. Credit: Six hours.

PT 6823. Advanced Evaluation and Mobilization: Lower Quadrant. Study of advanced biomechanical tests and treatments, including manipulation, applied to the lumbar spine, peripheral joints of the lower extremity, pelvis, and sacroiliac joint. Emphasis on techniques that integrate joint function. Prerequisites: PT 6673 and PT 6683, or permission of instructor. Two lecture and two laboratory hours a week. Credit: Three hours.

PT 6833. Advanced Evaluation and Mobilization: Upper Quadrant. Study of advanced biomechanical tests and treatments, including manipulation, applied to the cervical and thoracic spine, peripheral joints of the upper extremity, and temporomandibular joint. Emphasis on techniques that integrate joint function. Prerequisites: PT 6673 and PT 6683, or permission of instructor. Two lecture and two laboratory hours a week. Credit: Three hours.

PT 6901. Special Topics. Concentrated study of a particular topic in physical therapy. May be repeated for credit when topic varies. Prerequisite: Permission of the instructor. One lecture hour a week. Credit: One hour.

PT 6903. Special Topics. Concentrated study of a particular topic in physical therapy. May be repeated for credit when topic varies. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

PT 6911. Independent Study. Variable content. May be repeated for credit as topic varies. Prerequisite: Permission of instructor. Credit: One hour.

PT 6913. Independent Study. Variable content. Individual research or study relating to a problem of professional interest and significance. May be repeated for credit as topic varies. Prerequisite: Permission of instructor. Credit: Three hours.

PT 6983. Dissertation. May be repeated for credit. Only three credits apply toward degree. Credit: Three hours.

PT 6993. Dissertation. May be repeated for credit. Only three credits apply toward degree. Prerequisite: PT 6983. Credit: Three hours.

Faculty

Professors

BARTLETT, WILLIAM P., Professor of Physical Therapy. B.S., State University of New York, Stony Brook; Ph.D., Albany Medical College.

DA SILVA, CAROLYN P., Professor of Physical Therapy. B.A., Rice University; M.S., Texas Woman's University; D.Sc., University of Alabama, Birmingham.

GLEESON, PEGGY B., Professor of Physical Therapy; Associate Director of the School of Physical Therapy : Houston. B.S., St. Louis University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

MEDLEY, SYLVIA ANN, Professor of Physical Therapy; Director of the School of Physical Therapy. B.A., University of Texas at Austin; B.S., University of Texas Health Science Center-Dallas; M.S., Texas Woman's University; Ph.D., University of Texas at Dallas.

ORTIZ RODRIGUEZ, ALEXIS, Professor of Physical Therapy. B.S., University of Puerto Rico; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

PRICE, SHARON S., Professor of Physical Therapy. B.S., National Taiwan University : Taipei, Taiwan; M.S., University of Pittsburgh; Ph.D., Texas Woman's University.

RODDEY, TONI S., Professor of Physical Therapy. B.S., University of Texas Medical Branch; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

THOMPSON, MARY E., Professor of Physical Therapy. B.S, University of Kentucky; M.S., Texas Woman's University; Ph.D., University of North Texas.

TRUDELLE-JACKSON, ELAINE, Professor of Physical Therapy. B.S., Texas Woman's University; M.S., University of North Texas; Ph.D., Texas Woman's University.

Associate Professors

LIN, SUH-JEN, Associate Professor of Physical Therapy. B.A., National Taiwan University; M.S., Massachusetts General Hospital Institute of Health Professions; Ph.D., University of Iowa.

MITCHELL, KATY E., Associate Professor of Physical Therapy. B.S., University of California, Davis; M.S., Pacific University; Ph.D., Texas Woman's University.

Assistant Professors

BREWER, WAYNE A., Assistant Professor of Physical Therapy. B.A., University of Pittsburgh; M.P.H., University of Pittsburgh; Ph.D., Texas Woman's University.

BRIZZOLARA, KELLI J., Assistant Professor of Physical Therapy. B.S., Texas A&M University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

CSIZA, LINDA A., Assistant Professor of Physical Therapy. B.S., Texas Woman's University; M.S., Rocky Mountain University of Health Professions; D.Sc., Rocky Mountain University of Health Professions.

GOH, HUI-TING, Assistant Professor of Physical Therapy. M.S., Texas Woman's University; Ph.D., University of Southern California.

SWANK, CHAD D., Assistant Professor of Physical Therapy. B.A., Point Loma Nazarene College; M.S., Regis University; Ph.D., Texas Woman's University.

TSENG, SHIH-CHIAO, Assistant Professor of Physical Therapy. B.S., National Cheng Kung University; M.S., National Taiwan University; Ph.D., University of Maryland, Baltimore.

Associate Clinical Professor

PATEL, RUPAL M., Associate Clinical Professor of Physical Therapy. B.S., Texas Woman's University; M.S., Texas Woman's University.

Assistant Clinical Professors

ANDERLE, DALE W., Assistant Clinical Professor of Physical Therapy. B.A., University of North Texas; M.S., Texas Woman's University; D.P.T., A.T. Still University.

SHIRLEY, KATHLEEN, Assistant Clinical Professor of Physical Therapy. B.S., East Carolina University; D.P.T., Texas Woman's University.

SZOT, C. LAUREN, Assistant Clinical Professor of Physical Therapy. B.S., Louisiana State University; M.S., D.P.T., Louisiana State University Health Science Center..

Doctor of Physical Therapy - Professional

(For students preparing for entry into physical therapy)

Total Semester Credit Hours Required

98 semester credit hours.

Special Requirements

Health and liability insurance are required each semester the student is enrolled. Clinical internships are required which necessitate additional expenses for the student. Students must abide by additional policies involving clinical internships. A grade point average of 3.0 must be maintained. In accordance with the Graduate School, the School of Physical Therapy limits the number of Cs earned by a student in the entry-level Doctor of Physical Therapy degree plan to no more than two (2). Students must successfully complete one semester's coursework before taking coursework in the next semester. Courses may be repeated only with permission of the Graduate Faculty, Associate Director, and Director of the School of Physical Therapy.

Final Examination

Defense of the professional project which may be repeated only upon successful appeal to the Graduate Faculty of the School of Physical Therapy.

Policies

General policies, procedures, and appeal processes are established by the School and distributed to students upon entry into the program.

Doctor of Physical Therapy - Professional Program of Study (98 semester credit hours)

Semester 1		
PT 6015	Human Gross Anatomy	5
PT 6061	Basic Physical Therapy Skills	1
PT 6041	Introduction to Exercise Testing and Prescription in Physical Therapy	1
PT 6014	Clinical Management in Internal Medicine	4
PT 6072	Developmental Concepts: Adolescence to Geriatrics	2
PT 6082	Professional Practice in Physical Therapy	2
Semester 2		
PT 6024	Clinical Neuroscience	4
PT 6073	Medical Kinesiology	3
PT 6022	Clinical Management of the Musculoskeletal System	2
PT 6003	Exam, Evaluation, and Outcomes in Physical Therapy	3
PT 6731	Preliminary Clinical Experience	1
PT 6383	Cardiopulmonary Physical Therapy	3
Semester 3		
PT 6302	Integumentary Physical Therapy	2
PT 6033	Research in Physical Therapy	3
PT 6032	Clinical Management of the Neuromuscular System	2
PT 6173	Therapeutic Exercise and Intervention I	3
PT 6002	Primary Care in Physical Therapy	2
PT 6141	Clinical Integration I	1
Semester 4		
PT 6323	Neuromuscular Physical Therapy I	3
PT 6363	Musculoskeletal Physical Therapy: Lower Quadrant	3
PT 6162	Therapeutic Exercise and Intervention II : Lower Quadrant	2
PT 6102	Practice Management Issues I	2
PT 6001	Critical Inquiry in Physical Therapy I	1
PT 6733	Clinical Experience I (6 wks Nov – Dec)	3
Semester 5		
PT 6151	Psychosocial Aspects of Rehabilitation	1
PT 6171	Therapeutic Exercise and Intervention III: Upper Quadrant	1
PT 6343	Neuromuscular Physical Therapy II	3

PT 6373	Musculoskeletal Physical Therapy: Upper Quadrant	3
PT 6122	Prostheses, Orthoses, and Advanced Gait	2
PT 6353	Pediatric Physical Therapy	3
PT 6111	Practice Management Issues II	1
PT 6011	Critical Inquiry in Physical Therapy II	1
Semester 6		
PT 6804	Clinical Experience II (7 wks Jun – Jul)	4
PT 6142	Health Promotion and Wellness I	2
PT 6121	Practice Management Issues III	1
Semester 7		
PT 6814	Clinical Experience III (7 wks Aug – Oct)	4
PT 6161	Therapeutic Exercise and Intervention IV	1
PT 6152	Health Promotion and Wellness II	2
PT 6131	Practice Management Issues IV	1
PT 6021	Critical Inquiry in Physical Therapy III	1
Semester 8		
PT 6816	Clinical Internship (12 wks Jan – Mar)	6
PT 6802	Clinical Integration II	2
PT 6181	Professional Development for the Physical Therapist	1
Total Semester Credit Hours		98

Doctor of Physical Therapy - Transitional

For students who are already physical therapists. The School of Physical Therapy is no longer accepting applications for this program. Current Transitional DPT (tDPT) students must complete the five core courses by the end of Fall 2016.

Total Semester Credit Hours Required

At least 24 semester credit hours

Required

15-16 semester credit hours

Electives

9-15 semester credit hours

Final Examination

Defense of professional project, which may be repeated only upon successful appeal to the Graduate Faculty of the School of Physical Therapy.

Doctor of Physical Therapy - Transitional Program of Study (minimum of 24 semester credit hours)

Required Courses		
PT 6513	Topics in Evidence-Based Practice	3
PT 6123	Physical Therapy Patient/Client Management	3
PT 6143	Leadership and Management in Physical Therapy	3
PT 6153	Advanced Diagnostic Imaging for the Physical Therapist	3
PT 6263	Illness Prevention and Health Promotion	3
Electives to complete needed semester credit hours		9
Total Semester Credit Hours		24

Doctor of Philosophy in Physical Therapy

Total Semester Credit Hours Required

A minimum of 60 semester credit hours beyond the master's degree, including six semester credit hours for dissertation.

Required

25 semester credit hours, including 3 semester credit hours of practicum.

Research Tools

All doctoral candidates are required to complete two research tools.

Tool 1

The student must take PT 6043 and PT 6243 or their equivalent as determined by the student's advisory committee.

Tool 2: Computer Science

The student must take PT 6213, and PT 6083 or a 3-credit hour qualitative research methods/analysis course in any department at the graduate level.

Other Coursework

A minimum of 12 to 23 semester credit hours based on individual student needs, consisting of concentration area courses, individual studies, field research, supervised teaching, seminars, and/or practica.

Residency Requirement

It is expected that students complete two semesters of residency, defined as a minimum load of six semester credit hours for each of the two semesters.

Qualifying Examination

A comprehensive examination will be developed and administered by the student's advisory committee in the year following completion of research tools and the majority of core courses. The examination is composed of the following two parts individualized for each student: 1) a written component in the student's area of research interests and 2) an oral examination taken within one month after notification that the written examination has been passed. The examination committee will provide a consensus pass/fail grade for each student for each examination. The student's advisory committee will participate in the oral examination, and the questions may deal with the areas of research specialization, research design, and statistics. A student will be allowed two attempts to pass each of the examinations. The second attempt may not be made sooner than three months after the first attempt.

A student not able to pass an examination in two attempts will not be allowed to continue in the program.

Final Examination

Oral examination is open to all faculty and the public, followed by a closed session with the committee. The oral examination will be initially limited to the content of the dissertation, but may include any topic suggested by the candidate's answer. May be repeated only once.

Doctor of Philosophy in Physical Therapy Program of Study (60 semester credit hours)

Research Tools		
Required for Tool 1		
PT 6043	Statistical Methods I for the Health Care Professional (Pending THECB approval)	3
PT 6243	Statistical Methods II for the Health Care Professional	3
Required for Tool 2		
Select the following courses or equivalent:		
PT 6213	Computer Applications in Physical Therapy Research	3
PT 6083	Advanced Instrumentation in Physical Therapy (or 3 semester credit hour qualitative research methods course)	3
Required Courses		
PT 6533	Academic Issues in Physical Therapist Education	3
PT 6523	Teaching and Learning in Physical Therapy	3
PT 6193	Psychometric Properties of Rehabilitatio	3
PT 6023	Research for Clinical Scientists in Physical Therapy	3
PT 6103	Advanced Practicum in Physical Therapy (May be completed in E/L program - not waived)	3

PT 6191	Applied Statistical Methods for the Health Care Professional	1
PT 6503	Introduction to Grantsmanship in Physical Therapy	3
PT 6983	Dissertation (I)	3
PT 6993	Dissertation (II)	3
Electives to complete needed semester credit hours		23
Total Semester Credit Hours		60

Post-Baccalaureate Certificate in Advanced Geriatric Physical Therapy

Both novice and intermediate physical therapists working primarily with older adults and who are interested in lifelong learning can benefit from this certificate program, in which the student may choose any 12-credit-hours of coursework. This Certificate will allow physical therapists to earn a recognized academic certificate that can be applied as evidence of continued competence for licensure (CCU) renewal (see Texas Physical Therapy Association (http://www.tpta.org)) and/or an advanced degree. In addition, these courses are open to post professional students in occupational therapy with permission from their advisor.

The purposes of this Post-Professional Certificate (http://www.twu.edu/downloads/physical-therapy/Geriatric_Certificate.pdf) are to (a) advance and validate the educational and clinical foundation of physical therapists choosing to practice primarily with older adults, (b) provide a means through formal higher education to address self-identified weaknesses in specialized knowledge and/or skills, and (c) assist prospective students to move from novice or intermediate practice in geriatric physical therapy toward expert and/or specialist practice.

Admission Requirements

Applicants for the Certificate in Advanced Geriatric Physical Therapy must:

- Hold at least an earned bachelor's degree or equivalent from a U.S. college or university accredited by a regional or general accrediting agency, or an equivalent degree from a foreign college or university. The bachelor's degree must be substantially equivalent to a bachelor's degree granted by TWU.
- Have a minimum 3.0 grade point average (GPA) for the last 60 hours of undergraduate study and a minimum 3.0 GPA for all prior graduate work.
- Present an official transcript from each university or college attended with degree earned indicated on the transcript.

Standardized examinations such as the GRE are ***not*** required. However, the applicant has the option of submitting scores voluntarily.

Graduates from foreign universities should see International Admissions (http://www.twu.edu/admissions/international) for more information.

General Requirements

A Certificate from TWU School of Physical Therapy implies mastery of the knowledge and skills in the certificate area. Therefore, in addition to the Graduate School requirement that students who enroll in graduate courses must maintain a 3.0 GPA on all graduate-level courses taken at TWU, only one course where a C was earned will be applied toward the Certificate in Advanced Geriatric Physical Therapy. All of the courses are non-sequential with no required courses. Course selection is based on self-assessment of advanced clinical competencies in consultation with the Coordinator of Post Professional Studies, Dallas, who is Board Certified in Geriatric Physical Therapy.

Post-baccalaureate Certificate in Advanced Geriatric Physical Therapy Program of Study (12 semester credit hours)

Select 12 semester credit hours from the following:		12
PT 6203	Orthopedic Evaluation and Treatment of the Geriatric Client	
PT 6483	Principles of Geriatric in Physical Therapy I	
PT 6453	Principles Geriatric Physical Therapy II	
PT 6333	Health Care Delivery Systems	
PT 6513	Topics in Evidence-Based Practice	
PT 6123	Physical Therapy Patient/Client Management	
PT 6403	Neuromuscular Integration and Applications	
PT 6413	Cardiopulmonary Integration and Application	
Total Semester Credit Hours		12

Post-Baccalaureate Certificate in Advanced Neurologic Physical Therapy

Baylor Institute for Rehabilitation and Texas Woman's University Residency in Neurologic Physical Therapy (http://www.twu.edu/physical-therapy/residencies-physical-therapy.asp) is an APTA-credentialed residency whose mission is to promote excellent care in the lifespan of persons with neurologic injury across the continuum of care. This is accomplished through evidenced based practice and didactic curriculum outlined in the Description of Specialty Practice (DSP) in Neurologic Physical Therapy. The program includes direct patient care, mentoring time, didactic education, projects and presentations. Coordinated between three Baylor facilities (BIR Outpatient Rehabilitation at Tom Landry, BIR Dallas Main Inpatient Rehabilitation and Baylor University Medical Center) and TWU – Dallas, the residency begins in May of each year and last 52 weeks.

Upon successful completion of the BIR-TWU Residency in Neurologic Physical Therapy, the resident will receive a certificate of achievement from the BIR-TWU Residency in Neurologic Physical Therapy and an Academic Certificate in Advanced Neurologic Physical Therapy from TWU. The education and clinical experience the resident gains during the residency is designed to prepare the residents for the American Board of Physical Therapy Specialist certification examination in neurologic physical therapy.

All application materials (http://www.twu.edu/physical-therapy/residencies-physical-therapy.asp) are due in January each application year.

Requirements to apply:

1. Completion of all required application documents
2. Excellent communication skills
3. Physical ability to perform examination and treatment procedures
4. Psychological and social stability required for successful completion of the program
5. Evidence of commitment to a career in neurologic physical therapy
6. Strong skills in scientific inquiry and writing
7. Meet all requirements for employment at BIR and for admission at TWU

Post-Baccalaureate Certificate in Advanced Neurologic Physical Therapy Program of Study (12 semester credit hours)

Select 12 semester credit hours from the following:		12
PT 6123	Physical Therapy Patient/Client Management	
PT 6403	Neuromuscular Integration and Applications	
PT 6903	Special Topics	
PT 6913	Independent Study (Clinically Applied Neuroscience)	
PT 6913	Independent Study (Research in Neurologic Physical Therapy)	
PT 6513	Topics in Evidence-Based Practice	
Total Semester Credit Hours		12

Post-Baccalaureate Certificate of Advanced Studies in Women's Health Physical Therapy

The purposes of this Post-Baccalaureate Certificate in Women's Health Physical Therapy (http://www.twu.edu/physical-therapy/cert-womens-health.asp) are to (a) advance and validate the educational and clinical foundation of physical therapists choosing to practice primarily with women, (b) provide a means through formal higher education to address self-identified weaknesses in specialized knowledge and/or skills, and (c) assist prospective students to move from novice or intermediate practice in women's health physical therapy toward expert and/or specialist practice. In addition, 4 of the 8 possible courses form the didactic component of the Baylor-TWU Women's Health Physical Therapy Residency, an APTA accredited residency program.

Both novice and intermediate physical therapists working primarily with women and who are interested in lifelong learning can benefit from this certificate program, in which the student may choose any 12-credit-hours of coursework. This Certificate will allow physical therapists to earn a recognized academic certificate that can be applied as evidence of continued competence for licensure (CCU) renewal (see Texas Physical Therapy Association (http://www.tpta.org)) and/or may be used toward future academic degrees such as a transitional DPT or a PhD.

Admission Requirements

Applicants for the Certificate in Advanced Women's Health Physical Therapy must:

- Hold at least an earned bachelor’s degree or equivalent from a U.S. college or university accredited by a regional or general accrediting agency, or an equivalent degree from a foreign college or university. The bachelor’s degree must be substantially equivalent to a bachelor’s degree granted by TWU.
- Have a minimum 3.0 grade point average (GPA) for the last 60 hours of undergraduate study and a minimum 3.0 GPA for all prior graduate work.
- Present an official transcript from each university or college attended with degree earned indicated on the transcript.
- Hold a current license to practice physical therapy.

Standardized examinations such as the GRE are not required. However, the applicant has the option of submitting scores voluntarily.

Graduates from foreign universities should see Office of International Education (p. 57) for more information.

Applicants for the Baylor-TWU Women’s Health Physical Therapy Residency must first

- Contact Valerie L Bobb, PT,DPT, WCS, ATC - Director of the The Baylor-TWU WH residency program
- Email: (vbobb@bir-rehab.com) or Phone Number: 214-820-1220

Course Requirements

A Certificate from TWU School of Physical Therapy implies mastery of the knowledge and skills in the certificate area. Therefore, in addition to the Graduate School requirement that students who enroll in graduate courses must maintain a 3.0 GPA on all graduate-level courses taken at TWU, only one course where a C was earned will be applied toward the Certificate of Advanced Studies in Women’s Health Physical Therapy. Course selection is based on self-assessment of advanced clinical competencies in consultation with the Coordinator of Post Professional Studies, Dallas.

Post-baccalaureate Certificate of Advanced Studies in Women's Health Physical Therapy Program of Study (12 semester credit hours)

Select 12 semester credit hours from the following:		12
PT 6603	Female Anatomy for Physical Therapists	
PT 6613	Women's Health for Physical Therapists	
PT 6623	Physical Therapy Management of Women's Health I	
PT 6633	Physical Therapy Management of Women's Health II	
PT 6513	Topics in Evidence-Based Practice	
PT 6103	Advanced Practicum in Physical Therapy	
PT 6913	Independent Study	
Total Semester Credit Hours		12

College of Nursing

Web Site: http://www.twu.edu/nursing/

Dean: *Anita Hufft, Professor*
Location: *ASB 216, Denton*
Phone: *940-898-2401*
Fax: *940-898-2437*

Denton: *940-898-2401*
Assistant Dean, Denton: *Damon Cottrell,* Clinical Professor

Dallas: *214-689-6510*
Associate Dean, Dallas: *Stephanie Woods, Associate Professor*

Houston: *713-794-2100*
Associate Dean, Houston: *Ainslie Nibert, Associate Professor*

Graduate Degrees Offered

- M.S. in Nursing
  - Adult Gerontology Acute Care Nurse Practitioner
  - Adult Gerontology Nurse Practitioner
  - Family Nurse Practitioner
  - Pediatric Nurse Practitioner
  - Women's Health Nurse Practitioner
  - Clinical Nurse Leader
  - Nursing Education
  - Nursing Health Systems Management (minor in health care administration or business).
- D.N.P., Doctor of Nursing Practice
- Ph.D. in Nursing Science
  - D.N.P. Bridge Program to Ph.D.
- RN to MS
- PB to MS (p. 338)

The College of Nursing offers the Master of Science degree (M.S.), the Doctor of Philosophy degree (Ph.D.) in Nursing Science, and the Doctor of Nursing Practice degree (D.N.P.). The Master of Science degree and Doctor of Nursing Practice degree are accredited by the Commission on Collegiate Nursing Education (http://www.aacn.nche.edu/ccne-accreditation). The master's and doctoral degrees are offered part-time or full-time.

The M.S. prepares professional nurses for leadership roles in the management and promotion of healthcare, and nursing education. Graduate study in nursing requires the acquisition and systematic application of knowledge and skills in nursing practice, nursing research, and nursing role. Critical thinking skills are enhanced through the study of nursing theory and research.

The Ph.D. is designed for nurses who have developed specialized expertise in health care. The primary goal of the program is to develop leaders and scholars who will make a significant contribution to the nursing profession in the discovery, integration, application, and dissemination of knowledge.

The D.N.P. is designed to improve practice expertise and accelerate the translation of evidence into practice. The D.N.P. prepares graduates to practice at the most advanced level of nursing and to improve practice and health outcomes.

M.S. in Informatics

Informatics is the study and application of information science, computer science, cognitive science, and organizational science to the arts, sciences, and professions. The Master of Science program in Informatics at TWU provides students with a flexible, adaptable, interprofessional, and interdisciplinary approach to the study of Informatics in a hybrid learning environment. The program will provide students with the skills needed for success in high-demand professions and careers in the areas of Clinical Informatics, Data Science, Data Analytics, Health Studies, and Community Informatics. The program is delivered collaboratively by Academic Components including Computer Science, Nursing, Health Studies, and Library and Information Studies.

Admissions

Degrees/Certifications Offered by Campus

Masters Degrees or Certifications	Campus/Center
Nurse Practitioner Programs	
Family	Denton/Dallas/Houston
Adult/Gerontology	Dallas/Houston
Adult/Gerontology Acute Care	Houston
Child Health	Dallas
Women's Health	Dallas
Clinical Nurse Leader	Houston
Nursing Health Systems Management (Minor: Health Care Administration or Business)	Houston
Nursing Education (100% on line)	Denton/Dallas/Houston

Admission Requirements for Graduate Programs in Nursing

In addition to the general admission requirements to the Graduate School, the CON requires the following:

Master of Science	RN-MS Program	Post Baccalaureate RN-MS
Current US RN License (unencumbered)	Current US RN License (unencumbered)	Current US RN License (unencumbered)
Basic statistics course	Basic statistics course	Basic statistics course
BS/BSN Nursing major from a nationally accredited program	Associate degree or diploma prepared RN from a nationally accredited program	Associate degree or diploma prepared RN with a prior baccalaureate degree in another field from a nationally accredited program
3.0 GPA last 60 hours of nursing coursework	3.0 GPA in all prerequisite and prior nursing courses	3.0 GPA in all prerequisite and prior nursing courses
GRE or MAT scores	GRE or MAT scores	GRE or MAT scores
Prior to enrollment in the first clinical nursing course, it is recommended that the student have completed the equivalent of one year of full-time clinical experience in the specialty area for which they have applied.	Prior to enrollment in the first clinical nursing course, it is recommended that the student have completed the equivalent of one year of full-time clinical experience in the specialty area for which they have applied.	Prior to enrollment in the first clinical nursing course, it is recommended that the student have completed the equivalent of one year of full-time clinical experience in the specialty area for which they have applied.
	Completion of all prerequisites prior to first day of class	Completion of all prerequisites prior to first day of class
	Minimum grade of "C" in A&P and Microbiology	Minimum grade of "C" in A&P and Microbiology
Submission of graduate application to MS Program (specify campus/center and track/ specialty)	Submission of undergraduate and graduate applications RN to MS Program (specify campus/ center)	Submission of graduate application Post Baccalaureate RN to MS Program (specify campus/center)

Prerequisites for Doctoral Programs in Nursing

PhD in Nursing Science	Doctor of Nursing Practice (DNP)
Graduate level statistics course	Graduate level statistics course
Graduate level research course	Graduate level research course
Graduate level theory course	
Master's degree with nursing major (nationally accredited program)	Master's degree with nursing major (nationally accredited program)
Two recommendation letters	Two recommendation letters
Letter addressing professional goals and research interest	Letter addressing professional goals
Current US RN license (unencumbered)	Current US RN & APRN license (unencumbered)
Curriculum vita or resume	Curriculum vita or resume
GRE or MAT scores	GRE or MAT scores
	APRN certification (nationally accredited) or eligibility to be recognized as an APRN

Progression & Readmission

Master of Science Programs	Doctoral Programs
A "B" or better is required on all coursework	A "B" or better is required on all coursework
A student who has earned a grade of less than "B" in two courses or a grade of less than "B" twice in the same course, will be dismissed from the program	A student who has earned a grade of less than "B" in two courses or a grade of less than "B" twice in the same course, will be dismissed from the program
Provisionally admitted students must complete the first 12 hours of coursework with a grade of "B" or better or be dismissed from the program	Provisionally admitted students must complete the first 12 hours of coursework with a grade of "B" or better or be dismissed from the program
An interruption in coursework of more than two years, requires readmission to the program	An interruption in coursework of more than two years, requires readmission to the program
Six year time limit for completion of program	Ten year time period for completion of program
After an unsuccessful progression in the program, a mandatory 6 year wait period is required	Students not eligible for readmission:
	1. Students not in good standing at the time they cease coursework
	2. Students dismissed from the program
	3. Students who have failed the preliminary examination (PhD program) for the second time

Certificates

Graduate Certificates Offered

Post-master's certification is available in:

- Clinical Nurse Leader (p. 344)
- Nursing Education (p. 344)
- Nursing/Health Systems Management (p. 344)
- Nurse Practitioner (p. 344)

Post-baccalaureate certification is available in:

- Inter-Professional Informatics (p. 347)

Courses

NURS 5001. Advanced Practice Nursing Seminar. An integration course that emphasizes application of knowledge about advanced practice nursing scope of practice, health policy, and health care delivery as they relate to functioning as an effective health care professional. Prerequisite: NURS 5015, NURS 5305, NURS 5405, NURS 5505, or NURS 5605 (Second Clinical Nursing Course). One seminar hour a week. Credit: One hour.

NURS 5002. Advanced Practice Nursing Role. Examines the impact of health care policy, health care organizations, and health care reimbursement on the advanced practice nurse. Further examines the scope of practice of different advanced practice nurse roles and the collaborative relationships with other health care professionals. Two seminar hours a week. Credit: Two hours.

NURS 5003. Health Policy and Health Promotion. Principles of health policy advocacy, health promotion, and disease prevention in individuals and communities as a foundation for nursing practice. Examination of ethical issues; policy processes; and influence of regulations, legislation, and public policy on various client populations. Three lecture hours a week. Credit: Three hours.

NURS 5005. Adult/Gerontology Acute Care Nurse Practitioner I. Diagnostic and management issues related to care of acutely ill adults across the life span. Health promotion, protection, disease prevention, and treatment. Exploration of pathophysiologic/psychosocial influences of acute illness and injury. Evidence-based practice approaches used to determine nursing, medical, and pharmacologic management. Prerequisites: NURS 5013, BIOL 5333, NURS 5644, and NURS 5663. Prerequisite or Co-requisites: NURS 5002 and NURS 5003. Three lecture and six clinical hours a week. Credit: Five hours.

NURS 5013. Theoretical Foundations of Nursing Practice. Examination, critique, and evaluation of theories that provide the basis for nursing practice; application and use of appropriate theories for nursing practice and research; cyclical nature of theory, research, and practice in health care. Three lecture hours a week. Credit: Three hours.

NURS 5015. Adult/Gerontology Acute Care Nurse Practitioner II. Diagnostic and management issues related to chronically ill young, middle, and older adults. Evidence-based interventions to determine nursing, medical, and pharmacological management of patients with chronic and co-morbid illnesses. Prerequisite: NURS 5005 and NURS 5024. Three lecture and six clinical hours a week. Credit: Five hours.

NURS 5016. Clinical Nurse Leader I. Environmental, fiscal, policy, and regulations issues in healthcare. 90 practicum hours must be completed. Prerequisite: NURS 5013. Prerequisite or co-requisite: NURS 5024. Four lecture and six clinical hours a week. Credit: Six hours.

NURS 5024. Research and Quality Improvement in Nursing. Application of research and quality improvement initiatives in clinical settings. Problem identification, examination of evidence, and development of strategies to incorporate research and quality-driven changes in practice. Critique and use of research design, statistical methods, and use of computer information systems. Prerequisite: Basic statistics course. Prerequisite or co-requisite: NURS 5013 or permission of instructor. Four lecture hours a week. Credit: Four hours.

NURS 5025. Adult/Gerontology Acute Care Nurse Practitioner III. Diagnostic and management issues of critically ill young, middle, and older adults. Emphasis on pathophysiologic and psychosocial influences of critically ill and injured adults. Evidence-based interventions used to determine nursing, medical, and pharmacological management. Prerequisite: NURS 5015. Co-requisite: NURS 5001. Two lecture and nine clinical hours a week. Credit: Five hours.

NURS 5026. Clinical Nurse Leader II. Quality, safety, and outcomes at the microsystem (unit) level for cohorts of patients. 90 practicum hours must be completed. Prerequisite: NURS 5016. Prerequisites or Co-requisites: NURS 5003 and NURS 5663. Four lecture and six clinical hours a week. Credit: Six hours.

NURS 5034. Clinical Nurse Leader Immersion Experience I. Clinical practice to implement the clinical nurse leader role in a selected healthcare microsystem. Emphasis on nursing leadership, clinical outcomes management, and care environment management. Prerequisite: NURS 5026. Twelve clinical hours a week. Credit: Four hours.

NURS 5044. Clinical Nurse Leader Immersion Experience II. Clinical experience in the setting in which students will practice following program completion. Emphasis on synthesis of nursing leadership competencies, clinical outcomes, and care environment management. Students will complete a project and sit for certification examination. Co-requisite: NURS 5034. Twelve clinical hours a week. Credit: Four hours.

NURS 5123. Introduction to Applied Health Informatics. Overview and application for the field of health informatics using approaches such as human-technology interface, data analytics, and mobile/remote patient management. Health care delivery-based integration of design, configuration, usability, analysis, and maintenance of technology interventions resulting in development of information technology-based skills that improve patient care delivery. Prerequisites: CSCI 5103 and CSCI 5203. Three lecture hours a week. Credit: Three hours.

NURS 5143. Application of Technology Enhanced Health Promotion. Interactive selection and application of current technological advances and software for health promotion and self-management of well-served and under-served populations across disciplines. Prerequisite: NURS 5123. Three lecture hours a week. Credit: Three hours.

NURS 5203. Theoretical Bases for Nursing Education. Overview of education and theories of teaching and learning related to nursing education and practice. Focus is on general categories of cognitive and behavioral theories. Selection of appropriate teaching/learning theories to address the learning needs of culturally diverse groups and individuals. Three lecture hours a week. Credit: Three hours.

NURS 5244. Clinical Specialization: Nurse Educator. Delivery of safe, quality nursing care to diverse populations in variety of settings; Includes individual/system assessment, technology integration, inter-professional communication, direct/indirect advanced nursing interventions, and nursing outcome evaluation in complex health care systems. Prerequisites: NURS 5013, NURS 5024 (or faculty permission), BIOL 5333, and NURS 5644. Co-requisites: NURS 5003 and NURS 5663. Two lecture and six clinical hours a week. Credit: Four hours.

NURS 5253. Curriculum Design and Management in Nursing. Focus on nursing curriculum design from mission statement and philosophy. Includes examination of a variety of conceptual frameworks and their appropriateness for various settings, students, and knowledge components (curriculum elements). Emphasis on curriculum development at institutional level, course level, and individual class level in academic and clinical settings. Prerequisites or co-requisites: NURS 5013 and NURS 5203. Three lecture hours a week. Credit: Three hours.

NURS 5263. Educational Communication and Technologies of Education. Selection, use, and evaluation of communication techniques and technology in various nursing educational settings. Includes traditional classroom teaching techniques of lecture, discussion, small group projects, forums, seminars, and use of audio-visuals, plus utilization of computer-based instruction and distance education techniques. Co-requisites: NURS 5013 and NURS 5203. Three lecture hours a week. Credit: Three hours.

NURS 5273. Measurement and Assessment in Nursing. Selection and preparation of a variety of methodologies to assess learning. Application of educational statistics to evaluate various forms of testing and to measure learning. Includes item analysis of standardized and teacher-made exams. Work with on-campus faculty for mastery of content. Prerequisites: NURS 5013, NURS 5203, and NURS 5024. Three lecture hours a week. Credit: Three hours.

NURS 5283. Evaluation Models for Curriculum Management. Utilization of various models to assess learner achievement, faculty or teacher performance, achievement of course objectives, and measurement of program outcomes in academic or clinical educational settings. Examination of accreditation models. Prerequisites: NURS 5013, NURS 5203, and NURS 5253. Three lecture hours a week. Credit: Three hours.

NURS 5294. Teaching Practicum in Nursing. Application of the nurse's role as teacher in educational setting of choice: academia, staff development, or patient education. Focus on integrating theory and practice of education role with socialization into role of nurse educator. Demonstration of mastery of knowledge and skills through teaching project. Prerequisite: NURS 5203 and NURS 5253. One lecture and nine practicum hours a week. Credit: Four hours.

NURS 5305. Child Health Nursing II. Focuses on the clinical management of common acute illnesses experienced by children and adolescents; physical and behavioral problems are discussed. Theories related to culture and health beliefs are incorporated. Prerequisite: NURS 5325. Prerequisite or co-requisites: NURS 5024. Three lecture hours and six clinical hours a week. Credit: Five hours.

NURS 5315. Child Health Nursing III. Emphasizes theories related to chronic illness and coping in children and adolescents. Physiological, behavioral, and family theories are applied to management of chronic illness. Clinical knowledge and skills are applied in hospital and community settings. Prerequisite: NURS 5305. Co-requisite: NURS 5001. Two lecture and nine clinical hours a week. Credit: Five hours.

NURS 5325. Child Health Nursing I. Provides the foundation for assessment and intervention with well children and their families. Integrates concepts of growth and development and common health problems experienced by children from birth through adolescence. Emphasizes developmental screening tests and anticipatory guidance. Prerequisites: NURS 5013, BIOL 5333, and NURS 5644. Prerequisite or co-requisites: NURS 5002, NURS 5003, and NURS 5663. Three lecture and six clinical hours a week. Credit: Five hours.

NURS 5373. Advanced Applied Health Informatics. Critical analysis of complex health informatics industry components such as economics, ethics, information management, electronic health records, telemedicine and patient portals. Promotion of information technology-based skills to improve health care delivery. Prerequisite: NURS 5123. Three lecture hours a week. Credit: Three hours.

NURS 5393. Application of Telehealth and Remote Monitoring. Telehealth and remote monitoring for post-acute care service delivery in an interprofessional education competency framework aimed at healthcare improvement for well-served and under-served populations. Skill development for telemedicine cart use. Focus on roles of the advanced practice nurse and other health care professionals in telehealth. Prerequisite: NURS 5123. Three lecture hours a week. Credit: Three hours.

NURS 5405. Women's Health Nursing II. Emphasizes the collaborative management of reproductive health of non-childbearing adolescents and women utilizing current theory, research, and clinical practice findings. Examines developmental dynamics and family structure throughout the life span in relation to women's health. Incorporates appropriate treatment modalities, pharmacologic interventions, and referral criteria for gynecological problems in advanced nursing practice. Prerequisite: NURS 5425. Prerequisite or co-requisite: NURS 5024. Three lecture and six clinical hours a week. Credit: Five hours.

NURS 5415. Women's Health Nursing III. Emphasizes the collaborative clinical management of non-reproductive health care needs of women throughout the life span utilizing current theory, research, and clinical practice findings. Class focuses on diagnosis and advanced nursing management of problems relevant to adult and older women with acute and/or chronic diseases. Clinical practice includes treatment modalities, pharmacologic interventions, and referral for reproductive and non-reproductive problems. Prerequisite: NURS 5405. Co-requisite: NURS 5001. Two lecture hours and nine clinical hours a week. Credit: Five hours.

NURS 5425. Women's Health Nursing I. Emphasizes the collaborative management of the reproductive health of women utilizing current theory, research, and clinical practice findings. Examines developmental dynamics and family structure throughout the lifespan in relation to childbearing. Incorporates appropriate treatment modalities, pharmacologic interventions, and referral criteria for advanced nursing practice. Prerequisites: NURS 5013, BIOL 5333, and NURS 5644. Prerequisites or co-requisites: NURS 5002, NURS 5003, and NURS 5663. Three lecture and six clinical hours a week. Credit: Five hours.

NURS 5453. User Interface Design in Healthcare. Human-computer user-centered interaction design and application to health information systems, medical devices, consumer health websites, and other healthcare-related systems. Fundamental principles of user-centered design, usability, and human-computer interaction. Prerequisite: NURS 5123. Three lecture hours a week. Credit: Three hours.

NURS 5505. Adult/Gerontology Nursing II. Management of commonly encountered health deviations in young, middle, and older adult populations; protocols for treatment decisions, referrals, and follow-up and patient/family teaching relative to management of health problems and concerns. Prerequisite: NURS 5525. Co-requisite: NURS 5024. Three lecture and six clinical hours a week. Credit: Five hours.

NURS 5515. Adult/Gerontology Nursing III. Application of advanced nursing practice skills using collaborative management of primary, secondary, and tertiary health care needs of adults. Emphasizes health needs of geriatric clients and emergency care. Synthesis and evaluation of theoretical concepts, research findings, and clinical protocols. Prerequisite: NURS 5505. Co-requisite: NURS 5001. Two lecture and nine clinical hours a week. Credit: Five hours.

NURS 5525. Adult/Gerontology Nursing I. Health promotion and maintenance for young, middle, and older adults incorporating theory and research-based interventions and management using critical thinking and diagnostic reasoning; consideration of families when assessing health status; delivery of health care in a variety of settings. Prerequisites: NURS 5013, BIOL 5333, NURS 5644, and NURS 5663. Prerequisites or Co-requisites: NURS 5002 and NURS 5003. Three lecture and six clinical hours a week. Credit: Five hours.

NURS 5543. Outcomes Assessment Practicum. Assessment of the structural, process, and summative outcomes of healthcare organizations. Emphasis on the decision making and planned change process used by the nurse administrator in responding to legal, ethical, and economic issues which drive changes in processes and impact outcomes in health care facilities. The clinical practicum will be one of four healthcare environments: acute care, ambulatory, long-term care, or community/home health care. Prerequisites/HCA minor: NURS 5013, NURS 5024, NURS 5003, HCA 5223, and HCA 5493. Prerequisites/BUS minor: NURS 5013, NURS 5024, NURS 5003, BUS 5273, BUS 5523, and BUS 5963. One lecture and six clinical hours a week. Credit: Three hours.

NURS 5544. Organizational Assessment Practicum. Focus is on the exploration of the nurse administrator's role in complex health care settings. Emphasis is on the assessment of the health care organization and the integration of management, business, and nursing concepts as they relate to the delivery of nursing care. The clinical practicum will be one of four healthcare environments: acute care, ambulatory, long-term care, or community/home health care. Prerequisites/HCA minor: NURS 5003, NURS 5013, NURS 5024, and HCA 5223. Prerequisites/BUS minor: NURS 5013, NURS 5024, NURS 5003, BUS 5523, and BUS 5273. Two lecture and six clinical hours a week. Credit: Four hours.

NURS 5553. Fiscal Assessment Practicum. Emphasis is on the financial management of health care institutions and its impact on the nursing unit, impact of regulatory agencies, and the development of budgets and RFPs. The clinical practicum will be one of four healthcare environments: acute care, ambulatory, long-term care, or community/home health care. Prerequisites/HCA minor: NURS 5013, NURS 5023, NURS 5003, HCA 5223, HCA 5533, and HCA 5623. Prerequisites/BUS minor: NURS 5013, NURS 5023, NURS 5003, BUS 5523, BUS 5433, and BUS 5273. One lecture and six clinical hours a week. Credit: Three hours.

NURS 5554. Health Systems Management Challenges and Opportunities. Current issues in nursing practice related to future trends in health care delivery and financial reimbursement. Emphasis is on development of a proposal and project to solve an administrative issue to demonstrate mastery of program content. Prerequisites: NURS 5543, NURS 5544, and NURS 5553. Four lecture hours a week. Credit: Four hours.

NURS 5593. Data Applications for Foundational Health Promotion. Exploration of publicly available and proprietary healthcare resource data sites; examination of the incorporation of healthcare data applications into practice. Emphasis on data management, utilization of healthcare data, and trend analysis for health promotion enhancement. Prerequisite: NURS 5123. Three lecture hours a week. Credit: Three hours.

NURS 5605. Family Health Nursing II. Delivery of primary health care services to culturally diverse and medically underserved families across the life span, emphasizing health promotion and health maintenance. Emphasizes common acute/chronic problems. Utilizes role concepts and theories. Prerequisite: NURS 5625. Prerequisite or co-requisite: NURS 5024. Three lecture and six clinical hours a week. Credit: Five hours.

NURS 5615. Family Health Nursing III. Synthesizes concepts from theory based family-centered nursing, pathophysiology, assessment, pharmacotherapeutics, and role practice for the management of culturally diverse and medically underserved families from across the life span. Focuses on health promotion and health maintenance in primary health care settings. Prerequisite: NURS 5605. Co-requisite: NURS 5001. Two lecture and nine clinical hours a week. Credit: Five hours.

NURS 5625. Family Health Nursing I. Family theory based nursing practice in the assessment and management of health needs across the life span. Emphasizes wellness and primary prevention for culturally diverse and medically underserved families. Integrates knowledge of growth and development. Promotes critical thinking and diagnostic reasoning skills in clinical decision making. Prerequisites: NURS 5013, BIOL 5333, and NURS 5644. Prerequisites or co-requisites: NURS 5002, NURS 5003, and NURS 5663. Three lecture and six clinical hours a week. Credit: Five hours.

NURS 5644. Advanced Assessment/Differential Diagnosis. Examination of the systematic process involved in performing a holistic health assessment on individuals throughout the lifespan. Includes knowledge and skills necessary to gather data, interpret findings, make health diagnoses, communicate results, and empower clients. Prerequisite or co-requisite: BIOL 5333. Three lecture and three laboratory hours a week. Credit: Four hours.

NURS 5663. Pharmacotherapeutics for Advanced Nursing Practice. Advanced course based upon the previous knowledge of pharmacology and pharmacotherapeutics obtained in undergraduate education and clinical practice. Content in this course will provide a foundation for the pharmacotherapeutic management of common health problems across the lifespan encountered in advanced nursing practice. Three lecture hours a week. Credit: Three hours.

NURS 5683. Nurse Preceptorship I. Clinical practice course to implement the nurse practitioner role. Emphasis is on synthesizing nursing and medical knowledge to maintain and promote health in well clients and families and to clinically manage clients and families with common acute and chronic illnesses. Prerequisites: NURS 5025, NURS 5315, NURS 5415, NURS 5515, or NURS 5615 (Third Clinical Courses); and NURS 5001. Nine clinical preceptorship hours a week. Credit: Three hours.

NURS 5695. Nurse Preceptorship II. Synthesis of knowledge and skills in health promotion and maintenance across the lifespan. Clinical management of clients and families with common acute and chronic illnesses. Demonstration of mastery of knowledge and skills through a clinical project. Prerequisites: NURS 5415, NURS 5515, NURS 5315, NURS 5615, or NURS 5025; and NURS 5001. Prerequisite or Co-requisite: NURS 5683. Eleven clinical hours a week. Credit: Five hours.

NURS 5903. Special Topics. Systematic study of a designated topic in advanced nursing. Three lecture hours a week. Credit: Three hours.

NURS 5911. Independent Study. Individual study of a selected problem in nursing. May be repeated for credit. Prerequisite: Permission of instructor. Credit: One hour.

NURS 5913. Independent Study. Individual study of a selected problem in nursing. May be repeated for credit. Prerequisite: Permission of instructor. Credit: Three hours.

NURS 5923. Capstone in Informatics. Culminating organization and/or community-based interdisciplinary/interprofessional project supported through informatics and technology and applied to a specific domain to demonstrate knowledge and skills acquired in the informatics program. Immersive, investigative, and reflective opportunity for deep study on a selected area of practice/application domain. Prerequisite: Completion of 24 semester credit hours. Three seminar hours a week. Credit: Three hours.

NURS 5943. Interprofessional Informatics Project. Culminating organization and/or community-based interdisciplinary/interprofessional project supported through informatics and technology, and applied to a selected course-specific domain for demonstrating knowledge and skills acquired in the Interprofessional Informatics certificate program; focus on improvement of health care delivery and quality outcomes. Prerequisite: Take three from NURS 5143, NURS 5393, NURS 5453, NURS 5393, and NURS 5593. Three seminar hours a week. Credit: Three hours.

NURS 5963. Professional Project. Synthesis and application of information gained in the master's program through an individually-identified professional project. Integrates knowledge and skills, analytical and critical thinking skills, and writing and presentation skills. Prerequisites: NURS 5023 and completion of the first clinical course in the sequence. Credit: Three hours.

NURS 5983. Thesis. Credit: Three hours.

NURS 5993. Thesis. Prerequisite: NURS 5983. Credit: Three hours.

NURS 6002. Multicultural Nursing. Focuses on development of the student as a member of a culture within the context of a global paradigm. Students will develop an appreciation for their own culture as well as appreciation of other cultures. Universal view will result in the development of a theoretical framework for the incorporation of cultural competence at each level of doctoral study and post-doctoral practice. Two lecture hours a week. Credit: Two hours.

NURS 6003. Grant Writing. Comprehensive introduction to the components of a grant. Basic steps for skill development in preparation, design, and evaluation are included. Three lecture hours a week. Credit: Three hours.

NURS 6004. Theory and Foundations of Nursing Research. Critical analysis of theory and study of qualitative and quantitative methods. Emphasis on inductive and deductive logic involved in knowledge development and testing. Examines limitations posed by quantitative and qualitative methods. Prior statistical and philosophical content is applied in examining current problems of concern to nurses. Independent literature reviews and utilization of basic research theory provide opportunities to pose questions for future research. Prerequisites: NURS 6023 and completion of statistics research tool. Co-requisite: NURS 6053. Four lecture hours a week. Credit: Four hours.

NURS 6014. Theory and Methods of Quantitative Nursing Research. Application of quantitative theories and methods through proposal development and participation in ongoing research to address substantive health problems. Prerequisite: NURS 6004 or permission of instructor. Three lecture and three laboratory hours a week. Credit: Four hours.

NURS 6023. Philosophy of Nursing Science. Overview of concepts related to philosophy, philosophy of science, and philosophy of nursing. Includes exploration and analysis of major philosophers, comparison of Eastern and Western philosophy, and the contribution of these philosophies to the origin and development of nursing philosophy and science. Three lecture hours a week. Credit: Three hours.

NURS 6024. Theory and Methods of Qualitative Nursing Research. Explores methods of qualitative research including the choice of design and methods to address substantive human health problems. Examines qualitative data analysis techniques, including the use of software programs. Practicum provides opportunity to collect data for analysis and prepare a report. Prerequisite: NURS 6004 or permission of the instructor. Three lecture and three practicum hours a week. Credit: Four hours.

NURS 6033. Ethical Dimensions of Nursing. Examines ethical issues in contemporary nursing practice from the perspective of nursing as a moral enterprise. Focuses on nurses making informed and responsible choices that shape the future of society as well as the nursing profession. Traditional and contemporary ethical positions will be explored as they apply to common ethical and moral problems found in nursing. Three lecture hours a week. Credit: Three hours.

NURS 6034. Research/Theory Synthesis. Synthesizes theory development knowledge with strategies for testing theoretical statements pertaining to the student's selected research. Students will develop a formal proposal and conduct a pilot study. Students will present work for critique and engage in scholarly critique of peer's work. Prerequisites: NURS 6014 and NURS 6024. One lecture and nine labratory hours a week. Credit: Four hours.

NURS 6035. DNP Practicum I. Clinical course designed for Advanced Practice Registered Nurse (APRN) to provide increased expertise in a specific area. The APRN will function as an interdisciplinary team member, providing care to a select patient population. Includes assessment and evaluation of informatics, genetics, and technology use in selected clinical site. Prerequisites: NURS 6023, NURS 6033, NURS 6043, and NURS 6163. Fifteen clinical hours a week. Credit: Five hours.

NURS 6043. Policy, Power, and Politics. Examines concepts of social policy, power and political behaviors, and generates strategies for exercising professional leadership in effecting change in health disciplines. Exploration and analysis of theories supporting policy making as a decision-making body or power base for action or inaction. Role of health politics in the work place, organization, government, and community will be examined with special emphasis on the politics of women's health care. Three lecture hours a week. Credit: Three hours.

NURS 6045. DNP Practicum II. Clinical coursed designed to refine skills developed in NURS 6035. The Advanced Practice Registered Nurse (APRN) will select and implement evidence-based strategies, utilize genetics, demonstrate leadership within the context of the health care team, and measure outcomes using informatics for quality improvement. Prerequisite: NURS 6035. Fifteen clinical hours a week. Credit: Five hours.

NURS 6053. Exploring Scholarship. Introductory course will prepare the doctoral student to examine scholarship in detail and identify mechanisms to enhance own scholarship. Three lecture hours a week. Credit: Three hours.

NURS 6063. Financial Management for Advanced Practice Nurses. Sustainable and measurable improvements to health practice through the implementation of financial structures to support nursing practice. Evaluation of the cost-effectiveness of care and use of principles of economics and finance to redesign effective and realistic care delivery strategies. Three lecture hours a week. Credit: Three hours.

NURS 6124. Role Differentiation: Practice to Research. Comprehensive overview and differentiation of roles and opportunities for nurses involved in practice and research. Consideration of varied factors impacting the two roles including multiculturalism, ethics, philosophy, and policy. Four seminar hours a week. Credit: Four hours.

NURS 6163. Health Outcomes: Measurement, Management, and Analysis. Explores changes in health care system and emerging health care priority agenda with focus on outcomes. Emphasizes importance of outcome indicators and need for new or revised measures in selected health conditions and related settings. Analyzes relationship among process, outcomes, and costs. Focuses on development of research programs addressing clinical, institutional, or systems research. Prerequisite: NURS 6014 or permission of instructor. Three lecture hours a week. Credit: Three hours.

NURS 6173. Instrumentation in Nursing Research. Development of the knowledge base and skills needed for locating, evaluating, constructing, testing, and administering instruments that measure phenomena related to nursing and healthcare. Focus on approaches to instrument development, evaluation of the psychometric properties of existing instruments, and issues related to various types of data collection in the clinical setting that will support independent research and clinical practice. Prerequisites: NURS 6004 and completion of a graduate level statistics course, or permission of instructor. Three lecture hours a week. Credit: Three hours.

NURS 6193. Family Violence across the Lifespan. The problem of family violence across the lifespan, including precursors to family violence, nursing assessment, and nursing interventions for both victims and perpetrators of family violence. Development of research questions related to family violence. Three seminar hours a week. Credit: Three hours.

NURS 6223. Threats to Women's Health. Familiarizes students with the leading causes of morbidity and mortality among American women. Identifies feminist issues raised by the health of American women. Addresses influence of race, class, and gender upon health. Current analyses of women's health by contemporary scholars provides context for raising research questions. Explores potential research projects. Three lecture hours a week. Credit: Three hours.

NURS 6303. Professional Capstone Project. Clinical project based upon selection and implementation of evidence-based interventions supported through informatics and technological advances and measurement of outcomes in selected clinical site. Includes written and public presentation of findings and submission of article for publication in a peer-reviewed scholarly journal. Prerequisite: NURS 6163. Prerequisite or co-requisite: NURS 6035. Three hours a week. Credit: Three hours.

NURS 6313. Epidemiology, Health Promotion, and Research in Advanced Nursing Practice. Analysis of epidemiological, biostatistical, environmental, genetic, behavioral, and socioeconomic data to evaluate interventions and health-care delivery models. Incorporates evidence-appraisal from national data bases and identification of evidence-based guidelines for health promotion and disease prevention. Prerequisite: LS 5363, LS 5533, LS 5553, or NURS 6323. Three lecture hours a week. Credit: Three hours.

NURS 6323. Informatics and Research in Nursing. Promotion of evidence-based research and practice through health care informatics. Includes informatics theories, research methodologies, networks, skills, technology, system implementation, and management of data bases. Overview of electronic health records, telehealth, web-based education, bioinformatics, robotics, genomics, and individually-customized health care. Three lecture hours a week. Credit: Three hours.

NURS 6333. Current Topics in Informatics and Research in Nursing and Health. Emerging informatics trends and anticipated developments such as patient safety, consumer informatics, system implementation issues, human factors design, interoperability, privacy, and security. Examination of informatics theories, translational informatics research, and generating evidence for practice. Prerequisite: NURS 6323 or permission of instructor. Three lecture hours a week. Credit: Three hours.

NURS 6343. Writing for Publication. Synthesis of relative nursing literature and application of specific journal manuscript criteria and formal rules of writing. Analysis of critiques of manuscripts and appreciation of the editorial process. Preparation and submission of manuscript to nursing peer-reviewed journal. Three seminar hours a week. Credit: Three hours.

NURS 6613. Introduction to Clinical Investigation in Nursing. Quantification and interpretation of clinical nursing phenomena with emphasis on analysis of relational statements and propositions in theories and conceptual frameworks. Three lecture hours a week. Credit: Three hours.

NURS 6623. Systematic Inquiry in Nursing. Analysis of clinical nursing phenomena with emphasis on advanced quantification and interpretation of clinical data in analysis of models and theoretical statements in nursing. Three lecture hours a week. Credit: Three hours.

NURS 6813. Data Applications for Health Promotion In Nursing. Exploration of publicly available and proprietary health care resource data sites for data extraction, data management, and trend analysis for the enhancement of health promotion in nursing and other health fields. Three seminar hours a week. Credit: Three hours.

NURS 6853. Interaction Design in Healthcare. Advanced human-computer user-centered interaction design and application to health information systems, medical devices, consumer health websites, and other healthcare-related systems; user-centered design, usability, and human-computer interaction. Three lecture hours a week. Credit: Three hours.

NURS 6893. INTERPROF INFORMATICS SYNTHES. Culminating organization and/or community-based interdisciplinary/interprofessional project supported through informatics and technology and applied to a selected course-specific domain to demonstrate knowledge and skills acquired in the Interprofessional Informatics certificate program; focus on improvement of health care delivery and quality outcomes. Immersive, investigative, and reflective opportunity for deep study on a selected area of practice/application domain. Three seminar hours a week. Credit: Three hours.

NURS 6903. Special Topics. Selected current topics in nursing. Three lecture hours a week. Credit: Three hours.

NURS 6911. Independent Study. Individual study of a selected problem in nursing. Prerequisite: Permission of instructor. Credit: One hour.

NURS 6913. Independent Study. Individual study of a selected problem in nursing. Prerequisite: Permission of instructor. Credit: Three hours.

NURS 6923. Review of Literature. Development of a structure for identifying appropriate literature and preparing the analysis necessary for writing a comprehensive review of nursing research literature. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

NURS 6933. Analysis of Nurse-Generated Data. Use of SPSS software for preparation and evaluation of nurse-generated data. Emphasis on selection and performance of descriptive and inferential statistical tests, and interpretation and reporting of results of nursing studies. May not be taken to replace a required statistics course. Three seminar hours a week. Credit: Three hours.

NURS 6943. Technology-Enhanced Health Promotion. Interactive selection and application of current technological advances and software for health promotion and self-management of underserved populations across disciplines. Three lecture hours a week. Credit: Three hours.

NURS 6963. Telehealth and Remote Monitoring. Telehealth and remote monitoring in post-acute delivery of care services provided in an inter-professional education competency framework aimed at healthcare improvement for underserved populations. Includes skills development for telemedicine cart use. Three lecture hours a week. Credit: Three hours.

NURS 6983. Dissertation. Credit: Three hours.

NURS 6993. Dissertation. Prerequisite: NURS 6983. Credit: Three hours.

Faculty

Professors

CESARIO, SANDRA K., Professor of Nursing. B.S.N., Fort Hays State University; M.S., University of Oklahoma; Ph.D., Texas Woman's University.

CHANEY, SUSAN GOAD, Cornaro Professor of Nursing. B.S.N., Incarnate Word College; M.S., Texas Woman's University; Ed.D., University of Houston .

CHO, HO SOON MICHELLE, Professor of Nursing. B.S., Texas Woman's University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

DENHAM, SHARON A., Professor and Endowed Chair of Teaching Excellence of Nursing. B.S.N., Ohio State University-Athens; M.S.N, Bellarmine University; D.S.N., University of Alabama, Birmingham.

FREDLAND, NINA M., Professor of Nursing. B.S., Niagara University; M.S., University of Pennsylvania; Ph.D., Johns Hopkins University.

HUFFT, ANITA, Professor of Nursing; Dean of the College of Nursing. B.S.N., University of Maryland; M.N., Louisiana State University; Ph.D., Texas Woman's University.

KOCI, ANNE, Professor of Nursing. B.S.N., Tennessee Technological University; M.S.N., University of Tennessee, Knoxville; Ph.D., Emory University.

KREPPER, REBECCA C., Professor of Nursing. B.S., University of Southwestern Louisiana; M.S., University of Maryland, Baltimore; M.B.A., University of Houston; Ph.D., Texas Woman's University.

LANGFORD, RAE W., Professor of Nursing. B.S., Texas Woman's University; M.S., Ohio State University, Columbus; Ed.D., University of Houston.

MALECHA, ANN T., Professor of Nursing. B.S.N., Loyola University, Chicago; M.S., Northwestern University; Ph.D., Texas Woman's University.

MANCUSO, PEGGY J., Professor of Nursing; Associate Dean for Research. B.S., University of Tulsa; M.S., University of Texas at Arlington; Ph.D., Texas Woman's University.

McFARLANE, JUDITH M., Cornaro Professor of Nursing. B.S.N., University of Florida; M.S.N., University of Florida; D.P.H., University of Texas Health Science Center-Houston.

SCOTT-TILLEY, DONNA D., Professor of Nursing; Assistant Provost for Promotion of Research and Sponsored Programs. B.S.N., Texas Tech University Health Sciences Center; M.S.N., Texas Tech University Health Sciences Center; Ph.D., University of Texas Health Science Center-San Antonio.

SHERIFF, SUSAN W., Professor of Nursing; Graduate Director of Nursing. B.S.N., Eastern Mennonite University; M.S., Texas Woman's University; Ph.D., Texas A&M University, Commerce.

SYMES, LENE, Professor of Nursing. B.S.N., University of Michigan, Ann Arbor; M.S.N., University of Texas Health Science Center-Houston; Ph.D., Texas Woman's University.

TIETZE, MARI F., Professor of Nursing; Doswell Endowed Chair in Nursing Informatics. B.S.N.., Washburn University; M.S.N., University of Kansas; Ph.D., Texas Woman's University.

VAN SELL, SHARON L., Professor of Nursing. B.A., Murray State University; M.Ed., Memphis State Univeristy; M.S., University of Colorado, Denver; Ed.D., University of Denver.

YOUNG, ELIZABETH A., Professor of Nursing. B.S., Texas Woman's University; M.S., Texas Woman's University; Ed.D., University of Houston .

Associate Professors

ARNOLD, CAROL M., Associate Professor of Nursing. B.S., Texas Woman's University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

BAILEY, CATHERINE A., Associate Professor of Nursing. B.S., Texas Woman's University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

BINDER, BRENDA K., Associate Professor of Nursing; Graduate Director of Nursing: Houston. B.S., Michigan State University; M.S.N., University of Texas Health Science Center-Houston; Ph.D., Texas Woman's University.

DELLOSTRITTO, RITA A., Associate Professor of Nursing. B.S., Texas Woman's University; M.S.N., University of Houston; Ph.D., Texas Woman's University.

EDWARDS, JOAN E., Associate Professor of Nursing. B.S.N., University of Illinois, Chicago; M.S., University of Washington.

FREYSTEINSON, WYONA, Associate Professor of Nursing. B.S.N., University of Sakatchewan; M.S., University of Sakatchewan; Ph.D., Texas Woman's University.

GRAY, BARBARA A., Associate Professor of Nursing. B.S.N., Harding College; M.S.N., University of Texas at Arlington; Ph.D., Texas Woman's University.

KUBIN, LAURA, Associate Professor of Nursing. B.S., Baylor University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

LEE, MIKYOUNG, Associate Professor of Nursing. B.S.N., Kyungpook National University; M.N., Kyungpook National University; Ph.D., The University of Iowa.

LIU, FUQIN, Associate Professor of Nursing. B.S.N., Adventist University of the Philippines; M.S., Loma Linda University; Ph.D., University of Washington.

MELLOTT, SUSAN K., Associate Professor of Nursing. B.S.N., Indiana University of Pennsylvania; M.S.N., University of Pennsylvania; Ph.D., Texas A&M University .

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NIBERT, AINSLIE T., Associate Professor of Nursing; Associate Dean of the College of Nursing: Houston. B.S., Texas Christian University; M.S., The University of Texas Health Science Center at Houston; Ph.D, Texas Woman's University.

PANCHERI, KAREN K., Associate Professor of Nursing. B.S., Texas Woman's University; M.S., University of Texas Health Science Center-Houston; Ph.D., Texas Woman's University.

RICHEY, SHEILA, Associate Professor of Nursing. B.S.N., University of Illinois at Chicago; M.S.N., Indiana University; Ph.D., St. Louis University.

TOMS, ROBERTA J., Associate Professor of Nursing. B.S.N., Wichita State University; M.N., Wichita State University; Ph.D., Kansas State University.

WOODS, STEPHANIE L., Associate Professor of Nursing; Associate Dean of the College of Nursing : Dallas. B.S., Texas Woman's University; M.S., University of Texas Health Science Center, San Antonio; Ph.D., University of Texas at Austin.

ZEIGLER, VICKI L., Associate Professor of Nursing. B.S.N., Medical University of South Carolina; M.S.N., Medical University of South Carolina; Ph.D., Texas Woman's University.

Assistant Professors

BIRCH-EVANS, ANLEE, Assistant Professor of Nursing. B.S., Texas Woman's University; M.S., University of Texas Health Science Center-Houston; Ph.D., Texas Woman's University.

JOHNSON, OLINDA P., Assistant Professor of Nursing. B.S., Texas Woman's University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

NELSON, LESLIE, Assistant Professor of Nursing. B.S.N, University of Alberta; M.S.N., University of Alberta; Ph.D., Texas Woman’s University.

NURSE, RACHELLE-ANN P., Assistant Professor of Nursing. B.S.N., University of Texas Health Science Center-Houston; M.S.N., University of Texas Health Science Center-Houston; M.S.H.A., Houston Baptist University; Ph.D., Texas Woman's University.

SPENCER, BECKY S., Assistant Professor of Nursing. B.A., University of Cincinnati; M.S.N, Research College of Nursing; Ph.D., University of Kansas.

STANKUS, JO-ANN T., Assistant Professor of Nursing. B.S.N., Incarnate Word College; M.S.N, University of Texas at Arlington; M.A., Texas Woman's University; Ph.D., University of North Texas.

Clinical Professors

COTTRELL, DAMON B., Clinical Professor of Nursing; Assistant Dean of the College of Nursing : Denton. B.S., Texas Woman's University; M.S., Texas Woman's University; D.N.P., Robert Morris College.

HUESKE, CATHY L., Clinical Professor of Nursing. B.S.N., University of St. Thomas; M.S.N, University of Texas Health Science Center-Houston; Ph.D. University of Texas Medical Branch .

LANDRUM, PEGGY A., Clinical Professor of Nursing. B.A., University of Florida; M.S., Texas Woman's University; Ph.D., Texas A&M University .

OQUIN, CHARLI L., Clinical Professor of Nursing. B.S., University of Texas at Arlington; M.S., Texas Woman's University; D.N.P., Texas Christian University.

Associate Clinical Professors

BLAIR, FAYE A., Associate Clinical Professor of Nursing. B.S., University of Texas Medical Branch; M.S., University of North Texas Health Science Center; Ph.D., Texas Woman's University.

ENRIGHT, CARISSA R., Associate Clinical Professor of Nursing. B.S.N., Duke University; M.S., Boston University.

HO, TUONG-VI V., Associate Clinical Professor of Nursing. B.S., University of Texas Health Science Center-Houston; M.S., University of Texas Health Science Center-Houston; Ph.D., Texas Woman's University.

JOHNSON, ANN A., Associate Clinical Professor of Nursing. B.S.N., Houston Baptist University; M.S.N., University of Alabama, Birmingham.

JONES, PATRICIA E., Associate Clinical Professor of Nursing. B.S.N., Fort Hays State University; M.S., Fort Hays State University.

KREMER, KATHRYN K., Associate Clinical Professor of Nursing. B.S., Texas Woman's University; M.S.N., University of Texas at Arlington.

MISTRIC, MICHAEL L., Associate Clinical Professor of Nursing. B.A.., State College of Arkansas; B.S.N., Pittsburg State University; M.N.S., University of Arkansas for Medical Sciences; Ph.D., University of Texas System : Medical Branch.

RESTREPO, ELIZABETH B., Associate Clinical Professor of Nursing. B.S., Old Dominion University; M.S., Virginia Commonwealth University; Ph.D., Texas Woman's University.

SOLOMON, RHEATTE D., Associate Clinical Professor of Nursing. B.S., Evangel College; M.S., Brigham Young University.

ST GERMAIN, ANN D., Associate Clinical Professor of Nursing. B.S.N, University of Texas Health Science Center - Houston; M.S.N, University of Texas Health Science Center - Houston.

WILSON, CECILIA E., Associate Clinical Professor of Nursing. B.S., Texas Woman's University; M.S., Texas Woman's University; Ph.D., Capella University.

WILSON, JENNIFER E., Associate Clinical Professor of Nursing. B.S., University of Maryland, Baltimore; M.S., George Mason University.

Assistant Clinical Professors

ABRAHAM, ANNIE, Assistant Clinical Professor of Nursing. B.S.N., Leelabai Thackersey College of Nursing : Bombay; M.S., University of Texas at Arlington.

BRINZO, JULIE A., Assistant Clinical Professor of Nursing. B.S., Texas Tech University; M.S., Texas Woman's University, D.N.P., Texas Tech University Health Sciences Center.

BROGAN, MAUREEN M., Assistant Clinical Professor of Nursing. B.S., Southern Illinois University; M.S., Texas Woman's University.

FOGG, NIKI, Assistant Clinical Professor of Nursing. B.A., University of Texas Medical Branch; M.S., Texas Woman's University.

FRIED, NEIL H., Assistant Clinical Professor of Nursing. B.S., Florida State University; M.S., University of Alabama, Birmingham.

HOWARD, DONNA, Assistant Clinical Professor of Nursing. B.S., Texas A & M University; B.S., Texas Woman's University; M.S., Texas Woman's University.

HUFFMAN, ALLISON S., Assistant Clinical Professor of Nursing. B.S., Texas A&M University; B.S., Texas Woman's University; M.S., Texas Woman's University; D.N.P., St John Fisher College.

MILLIGAN, JENNIFER S., Assistant Clinical Professor of Nursing. B.S., Texas Woman's University; B.A., Texas A&M University; M.S., Texas Woman's University.

NOLAN, DEBRA K., Assistant Clinical Professor of Nursing. B.S., Texas Woman's University; M.S., Texas Woman's University.

POE, TRAVIS, Assistant Clinical Professor of Nursing. B.S., Texas Woman's University; M.s., Texas Woman's University; Ph.D., Texas Woman's University; .

THOMSON, ANNE T., Assistant Clinical Professor of Nursing. B.S.N., University of Kansas; M.S.N., University of Texas at Arlington; Ph.D., Texas Woman's University.

Visiting Associate Clinical Professor

KILLEN, JOAN M., Visiting Associate Clinical Professor of Nursing. B.S., Wayne State University; M.S., Wayne State University; Ph.D., University of Texas at Austin .

Visiting Assistant Clinical Professors

ACKERS, SUZANNE M., Visiting Assistant Clinical Professor of Nursing. B.S., Abilene Christian University; M.S., Texas Woman's University.

JONES, CATHERINE S., Visiting Assistant Clinical Professor of Nursing. B.S.N., The University of Texas Health Science Center at Houston; M.S., University of Colorado; Ph.D., University of Texas at Arlington.

Master of Science in Nursing

Admission Requirements

All applicants must meet the general requirements for admission to the Graduate School.

In addition to these general requirements, the College of Nursing requires the following for unconditional admission to the master's program.

1. A current unencumbered license to practice professional nursing in the USA.
2. A basic statistics course.
3. A baccalaureate degree with an upper division major in nursing from a program accredited by a nationally recognized accrediting body.
4. A minimum grade point average (GPA) of 3.0 (B average) in the last 60 semester credit hours of course work toward the undergraduate nursing degree and a minimum GPA of 3.0 (B average) in all prior graduate course work.
5. Graduate Record Examination (http://www.ets.org/gre) (GRE) verbal and quantitative scores or Miller Analogies Test (http://www.pearsonassessments.com/postsecondaryeducation/graduate_admissions/mat.html) (MAT) score.

Applicants who do not meet these criteria but have a minimum GPA of 2.5 in the last 60 semester credit hours of course work toward the undergraduate nursing degree may be considered for provisional admission on an individual basis. Factors that may be considered in the admission decision are: Graduate Record Examination (GRE) verbal and quantitative scores or Miller Analogies Test (MAT) score, GPA on any prior graduate course work, scholarly activities, professional leadership, and work history.

For applicants who have a baccalaureate degree in nursing and a master's degree in another field (or more than one graduate degree), the grade point average from all previously earned degrees and post graduate work can be considered in making the admission decision.

Individuals who have a master's degree in nursing may seek admission to a post-master's certification program in one of four areas: nurse practitioner, clinical nurse leader, nursing/health systems management, or nursing education. GRE or MAT scores are not required for students with a master's degree in any field.

Applicants who wish to transfer from another nursing program must provide evidence of eligibility to continue in the previous nursing program. Nine semester hours for programs requiring 39-44 semester hours, 12 semester hours for programs requiring 45 or more semester hours, may be transferred, if approved. A grade of B or higher in each course is necessary for semester credit hours to be considered for transfer.

Master's program applicants must submit their program application and all transcripts and GRE or MAT scores to the Office of Admissions Processing by one of the following dates:

Semester for Admission	Submit application no later than
Fall	May 1
Spring	September 15
Summer (Houston Campus only)	February 1

Prior to enrollment in clinical nursing courses the student must show proof of:

1. professional liability insurance purchased through a TWU student professional liability group policy.
2. unencumbered licensure to practice professional nursing in Texas.
3. current required immunizations.
4. Basic Life Support (BLS) for health care providers.
5. criminal background check and drug screening.

Prior to enrollment in the first clinical nursing course, it is recommended that the student have completed the equivalent of one year of full-time clinical experience in the specialty area for which they have applied. Students may be required to meet additional clinical agency requirements such as drug testing, criminal background screening, and evidence of health insurance.

All Nursing Health Systems Management and all nursing education majors are required to have a current unencumbered RN license in the state of residence.

Readmission - Master's Program

An individual who has been unsuccessful in meeting the progression requirements, after being admitted to the master's program in the College of Nursing, is eligible to apply to the College of Nursing and be considered for admission as a new student in the master's program after a period of six years.

Programs of Study (40-46 semester credit hours)

Total Hours Required

The total semester credit hours required vary depending on the track the student selects. All students complete a minimum of 40 to 46 semester credit hours.

Special Requirements

1. A grade of B or better is required in all required courses. A student who has earned a grade of less than B (C, D, F or WF) in two required courses at the graduate level or who has earned a grade of less than B (C, D, F or WF) twice in the same graduate level required course will be removed from the nursing program. For the purpose of removal from the nursing program, a grade of less than B is counted as a grade of less than B even if the course has been successfully repeated.
2. Students admitted to the master's program provisionally, based on low GPA, must complete the first 12 semester credit hours of graduate courses with grades of B or better in each course; at least 9 semester credit hours must be in nursing courses. A provisionally admitted student will be dismissed from the program if a grade of C or lower is made in any course during the probationary period.
3. For the M.S. graduate who is unsuccessful on a certification examination and is accepted for the re-education process, if the student earns a grade of C or below (D, F, or WF) in one of the required re-education courses, he/she will not be allowed to continue in the re-education process.

Time Limit

Semester credit hours older than six years, including transfer courses, cannot apply toward the master's degree. If a student in one of the certificate options is practicing as an advanced practice nurse and is currently credentialed by the Texas Board of Nursing as an advanced practice registered nurse, the advanced pathophysiology, pharmacotherapeutics, and advanced assessment courses may have been completed no more than 15 years earlier.

Final Examination

Oral examination of the completed professional or clinical project (course work optional).

Nurse Practitioner Program of Study (46 semester credit hours for major)

Required Courses		
NURS 5013	Theoretical Foundations of Nursing Practice	3
NURS 5024	Research and Quality Improvement in Nursing	4
NURS 5003	Health Policy and Health Promotion	3
BIOL 5333	Advanced Pathophysiology	3
NURS 5663	Pharmacotherapeutics for Advanced Nursing Practice	3
NURS 5644	Advanced Assessment/Differential Diagnosis	4
NURS 5002	Advanced Practice Nursing Role	2
NURS 5001	Advanced Practice Nursing Seminar	1
Area of Specialty Clinical Courses		
Select an area of specialty from the following:		23
Adult Gerontology Acute Care		
NURS 5005	Adult/Gerontology Acute Care Nurse Practitioner I	
NURS 5015	Adult/Gerontology Acute Care Nurse Practitioner II	
NURS 5025	Adult/Gerontology Acute Care Nurse Practitioner III	
NURS 5683	Nurse Preceptorship I	
NURS 5695	Nurse Preceptorship II	
Adult Gerontology		
NURS 5525	Adult/Gerontology Nursing I	
NURS 5505	Adult/Gerontology Nursing II	
NURS 5515	Adult/Gerontology Nursing III	
NURS 5683	Nurse Preceptorship I	
NURS 5695	Nurse Preceptorship II	
Family		
NURS 5625	Family Health Nursing I	
NURS 5605	Family Health Nursing II	
NURS 5615	Family Health Nursing III	

NURS 5683	Nurse Preceptorship I	
NURS 5695	Nurse Preceptorship II	
Pediatric		
NURS 5325	Child Health Nursing I	
NURS 5305	Child Health Nursing II	
NURS 5315	Child Health Nursing III	
NURS 5683	Nurse Preceptorship I	
NURS 5695	Nurse Preceptorship II	
Women's Health		
NURS 5425	Women's Health Nursing I	
NURS 5405	Women's Health Nursing II	
NURS 5415	Women's Health Nursing III	
NURS 5683	Nurse Preceptorship I	
NURS 5695	Nurse Preceptorship II	
Total Semester Credit Hours		46

Clinical Nurse Leader Program of Study (40 semester credit hours)

Required Courses		
NURS 5013	Theoretical Foundations of Nursing Practice	3
NURS 5024	Research and Quality Improvement in Nursing	4
NURS 5003	Health Policy and Health Promotion	3
BIOL 5333	Advanced Pathophysiology	3
NURS 5663	Pharmacotherapeutics for Advanced Nursing Practice	3
NURS 5644	Advanced Assessment/Differential Diagnosis	4
Specialty Area Clinical Courses		
NURS 5016	Clinical Nurse Leader I	6
NURS 5026	Clinical Nurse Leader II	6
NURS 5034	Clinical Nurse Leader Immersion Experience I	4
NURS 5044	Clinical Nurse Leader Immersion Experience II	4
Total Semester Credit Hours		40

Nursing Health Systems Management Program of Study (42 semester credit hours for major)

Required Courses		
NURS 5013	Theoretical Foundations of Nursing Practice	3
NURS 5024	Research and Quality Improvement in Nursing	4
NURS 5003	Health Policy and Health Promotion	3
Specialty Area Clinical Courses		
NURS 5544	Organizational Assessment Practicum	4
NURS 5543	Outcomes Assessment Practicum	3
NURS 5553	Fiscal Assessment Practicum	3
NURS 5554	Health Systems Management Challenges and Opportunities	4
Minor		
Select one of the following minors		18
Minor: Health Care Administration		
HCA 5493	Performance Measurement and Quality in Health Care Administration	
HCA 5223	Strategic Organizational Theory in Healthcare	
HCA 5623	Economics of Health Care	
HCA 5533	Management Accounting for Health Care Organizations	
Practicum Supporting Courses or Electives		
Minor: Business		
BUS 5523	Management and Organization	
BUS 5273	Human Resource Administration	

BUS 5963	Management Operations	
Practicum Supporting Course or Electives		
Total Semester Credit Hours		42

Nursing Education Program of Study (40 semester credit hours)

Required Courses		
NURS 5013	Theoretical Foundations of Nursing Practice	3
NURS 5024	Research and Quality Improvement in Nursing	4
NURS 5003	Health Policy and Health Promotion	3
NURS 5644	Advanced Assessment/Differential Diagnosis	4
BIOL 5333	Advanced Pathophysiology	3
NURS 5663	Pharmacotherapeutics for Advanced Nursing Practice	3
Specialty Area		
NURS 5203	Theoretical Bases for Nursing Education	3
NURS 5253	Curriculum Design and Management in Nursing	3
NURS 5273	Measurement and Assessment in Nursing	3
NURS 5294	Teaching Practicum in Nursing	4
NURS 5244	Clinical Specialization: Nurse Educator	4
NURS 5263	Educational Communication and Technologies of Education	3
or NURS 5283	Evaluation Models for Curriculum Management	
Total Semester Credit Hours		40

Registered Nurse to Master of Science in Nursing (RN - M.S.)

An accelerated program is offered for highly motivated and experienced associate degree or diploma prepared RNs whose career goals would be enhanced through graduate study. Students complete the requirements for a baccalaureate degree while concurrently completing some of the requirements for a master's degree. After completing baccalaureate program requirements, students complete the remaining requirements for the master's degree.

Applicants must have a B average in all prerequisite courses, including basic nursing courses, and must meet all requirements for admission to the master's program, with the exception of having completed a baccalaureate degree in nursing. Program information is available from the M.S. or RN-B.S. coordinator at each campus.

Advanced Placement (Nursing courses which may be challenged)

All students in the RN to M.S. Program are eligible to challenge specified undergraduate nursing courses. Advanced placement through the challenge examination process offers the registered nurse the opportunity to challenge courses for which she/he has gained knowledge through continuing education, life experiences, or academic course work.

Progression Requirements

To progress in the nursing program, a student must receive a minimum grade of B in each required course in both the baccalaureate and master's courses and must maintain a 3.0 cumulative grade point average. A student may repeat only one course in which a grade of less than B is earned. A student who has earned a grade of less than B in two nursing courses or who has earned a grade of less than B twice in the same required course will be removed from the RN-M.S. program. If a course must be repeated, the student cannot continue to take master's level courses until the course with a grade below B has been successfully repeated; however, a student may continue to take undergraduate courses or choose to continue as an RN to B.S. student. Students who choose to continue as an RN to B.S. student could, upon successful completion of the baccalaureate program, reapply to the master's program.

Post-Baccalaureate RN to M.S. in Nursing

Students accepted into the Post Baccalaureate RN to M.S. Program (RNMS-PB) are associate or diploma prepared registered nurses with an earned bachelor's degree in another field who desire to obtain a Master of Science degree with a major in nursing. Post Baccalaureate RN to M.S. students do not receive another baccalaureate degree and instead, upon completion of the bridge courses, transition into the full spectrum of master's level courses toward the specialty track chosen. Various specialty tracks are offered in advanced practice, nurse educator, and nursing administration.

Applicants must have a B average in all prerequisite courses, including basic nursing courses, and must meet all requirements for admission to the master's program, with the exception of having completed a baccalaureate in nursing. Students in the Post Baccalaureate RN to M.S. Program complete 10 to 15 semester credit hours of identified undergraduate coursework and 10 to 13 semester credit hours of graduate course work before progressing

to unconditional admission to the graduate program. Upon completion of the required baccalaureate semester credit hours, students complete the remaining requirements for the master's degree. Depending on the master's specialty chosen, the master's degree can be completed in an additional 3 - 6 semesters of full-time study.

Admission Requirements

All applicants to this program are subject to policies of the College of Nursing Master's Program and Graduate School at Texas Woman's University. The requirements for admission to the Post Baccalaureate RN to M.S. Program are:

1. Current license to practice professional nursing in the USA, unencumbered
2. A basic statistics course (included in the required prerequisite coursework).
3. Baccalaureate degree from an accredited College or University in a non-nursing program.
4. Completion of all prerequisites prior to the first class day.
5. A minimum grade point average (GPA) of 3.0 (B average) in the last 60 semester credit hours of course work toward the bachelor's degree and a minimum GPA of 3.0 (B average) in all prior graduate coursework.
6. A minimum grade of C in anatomy and physiology and microbiology.
7. A minimum B average in all required nursing courses for the associate degree or the diploma in nursing.
8. Completion of the equivalent of one year of full-time experience as a registered nurse prior to enrollment in the first clinical course at the master's level.
9. GRE (http://www.ets.org/gre) (verbal and quantitative scores) or MAT (http://www.pearsonassessments.com/postsecondaryeducation/graduate_admissions/mat.html) scores submitted to Office of Admission Processing.
10. Completion and submission of the Application for Admission to Upper Division Nursing for the College of Nursing – Post Baccalaureate RN to M.S. Program to the campus or center where the candidate wants to be considered for admission (Denton Campus, Dallas Center, Houston Center) and for the semester of desired admission. There is no application fee to the College of Nursing for registered nurses. The College of Nursing addresses are located on the bottom of the application.

Prerequisite Courses for Admission into the Post Baccalaureate RN to M.S. Program

Prerequisite Courses	
Developmental Psychology (Lifespan)	3
Statistics	3
Introduction to Nutrition	3
Chemistry with lab	4
Microbiology and Lab	4
Human Anatomy and Physiology with Lab	4
Human Anatomy and Physiology with Lab	4
Total Semester Credit Hours	25

Upper division nursing courses will be determined by the program track selected, for a total of 46 to 57 semester credit hours to complete.

Advanced Placement - Nursing Courses Which May Be Challenged

All students in the Post Baccalaureate RN to M.S. Program are eligible to challenge specified undergraduate nursing courses. Advanced placement through the challenge examination process offers the registered nurse the opportunity to challenge courses for which she/he has gained knowledge through continuing education, life experiences, or academic course work.

Progression Requirements

To progress in the Post Baccalaureate RN to M.S. Program, a student must receive a minimum of 'B' in each required baccalaureate and master's course and must maintain a 3.0 grade point average. A student may repeat only one course in which a grade of less than 'B' is earned. A student who has earned a grade of less than 'B' in two nursing courses or who has earned a grade of less than 'B' twice in the same required course will be removed from the Post Baccalaureate RN to M.S. Program. If a course must be repeated, the student cannot continue to take master's level courses until the course with a grade below 'B' has been successfully repeated; however, a student may continue to take undergraduate courses or choose to continue as an RN to B.S. student. Students who choose to continue as an RN to B.S. students could, upon completion of the baccalaureate program, reapply to the master's program.

Doctor of Philosophy in Nursing Science

Admission Requirements

All applicants must meet the general requirements for admission to the Graduate School. In addition to these general requirements, the College of Nursing requires the following for admission to the Ph.D. program:

1. A course in statistics.
2. A course in research at the graduate level.
3. A course in nursing theory at the graduate level.
4. A master's degree with a major in nursing from a program accredited by a nationally recognized accrediting body (preferred).
5. Two letters of recommendation.
6. A letter discussing research interest area and professional goals.
7. A current license to practice professional nursing in the U.S.A.
8. A curriculum vita or resume.
9. GRE or MAT scores.

In order to be considered for admission, please use the following application deadlines. These are the deadlines for all materials to be submitted including the application, all transcripts, reference letters, CV, and letter discussing research interest area and professional goals.

Semester for Admission	Submit application no later than
Fall	February 1 (Denton)
	May 1 (Houston)
Spring	September 15 (Houston)

Admission to the Ph.D. program may be awarded on an unconditional or provisional basis.

1. A minimum grade point average (GPA) of 3.5 on all prior graduate level course work, or
2. A preferred score of 460/142 on the Graduate Record Examination (GRE) Verbal and 500/142 on the GRE Quantitative, and 4.0 on the GRE Analytic; or
3. A preferred score of 50/400 on the Miller Analogies Test (MAT).

Applicants who do not meet the unconditional criteria, but who have a minimum GPA of 3.0 on prior graduate level course work may be considered for provisional admission on an individual basis. Factors that will be considered in the admission decision are GPA on graduate level course work, GRE verbal and quantitative scores or MAT score, scholarly activities, professional leadership, and work history.

Readmission - Doctoral Programs

Doctoral students who interrupt their progression in the doctoral programs for more than two years must make a formal request to the College of Nursing for readmission to the program. The respective Doctoral Coordinator will evaluate the request. If the request is granted, the Academic Advisory Committee will, in consultation with the respective Doctoral Coordinator, stipulate any course work to be repeated. However, the ten-year time limitation for completion of the program shall remain in effect from the time the first doctoral credit is awarded. If during the student's absence, the curriculum or admission standards have changed, the student will be expected to meet any new admission standards and fulfill the requirements of the current curriculum.

Students not in good standing at the time they cease coursework shall not be readmitted to the program. Students who have been dismissed from the program shall not be eligible for readmission. Students who have failed the preliminary examination (Ph.D. program) for the second time shall not be eligible for readmission.

Doctor of Philosophy in Nursing Science Program of Study (60 semester credit hours)

Total Semester Credit Hours Required

60 semester credit hours beyond the master's degree, including 6 semester credit hours for dissertation.

Research Tools

To complete the first research tool requirement, students must take statistics. The student must complete six semester credit hours of graduate level statistics.

To complete the second research tool students must take 6 semester credit hours from one of the following areas: Information Retrieval, Global Citizenship, Population Health and Epidemiology, Informatics in Health Care, Professional Writing, or Instrumentation.

Semester credit hours for research tools do not count toward the total semester credit hours required for the degree.

Special Requirements

1. Grade of B or better is required in all Ph.D. coursework. A student who has earned a grade of less than B (C, D, F, or WF) in two Ph.D. courses at the graduate level or who has earned a grade of less than B (C, D, F, or WF) twice in the same graduate level course will be removed from the nursing program. For the purpose of removal from the nursing program, a grade of less than B is counted as a grade of less than 'B' even if the course has been successfully repeated.
2. Students admitted to the doctoral program provisionally, based on low GPA or GRE/MAT, must complete the first 12 semester credit hours of coursework with a grade of B or better in each course; at least 6 semester credit hours must be in nursing courses. A provisionally admitted student will be dismissed from the program if a grade of C or lower is made in any course during the probationary period.

Major

30 semester credit hours plus dissertation

Preliminary Examination

Written preliminary examination covering the content areas of NURS 6004, NURS 6023, and NURS 6053. May be repeated one time only.

Final Examination

Oral, over the completed dissertation.

Doctor of Philosophy in Nursing Science Program of Study (60 semester credit hours)

Required Research Tools (do not count toward the 60 semester credit hours)		
Tool 1: Select 6 semester credit hours of Graduate level Statistics		
Tool 2: Select 6 semester credit hours from: Information Retrieval, Global Citizenship, Population Health and Epidemiology, Informatics in Health Care, Professional Writing, or Instrumentation.		
Required Courses		
30 semester credit hours of NURS courses		30
NURS 6983	Dissertation	3
NURS 6993	Dissertation	3
Electives		
18 semester credit hours of NURS		18
Women's Health Electives		3
Education Electives		3
Total Semester Credit Hours		60

Course Sequence (Houston)

Year One: Summer		
NURS 6053	Exploring Scholarship	3
Research Tool or Women's Health Elective or Education Elective		3
Year One: Fall		
NURS 6124	Role Differentiation: Practice to Research	4
NURS 6613	Introduction to Clinical Investigation in Nursing	3
Statistics Research Tool I or other equivalent course, as needed		
Year One: Spring		
NURS 6004	Theory and Foundations of Nursing Research	4
NURS 6623	Systematic Inquiry in Nursing	3
Statistics Research Tool II or other equivalent course, as needed		
Year 2: Summer		
Preliminary Examination		
Research Tool or a Women's Health or Education elective, as needed		3-6
Year Two: Fall		
NURS 6024	Theory and Methods of Qualitative Nursing Research	4
Women's Health or Education elective, as needed		0-3
Year Two: Spring		

NURS 6014	Theory and Methods of Quantitative Nursing Research	4
Women's Health or Education elective, as needed		0-3
Year 3: Summer		
IRB Application for the Pilot Study submission		
Women's Health or Elective Education elective, as needed		3
Year 3: Fall		
NURS 6034	Research/Theory Synthesis	4
Women's Health or Education elective, as needed		0-3
Year 3: Spring		
NURS 6983	Dissertation	3
Year 4: Summer and Fall		
NURS 6993	Dissertation (3 semester credit hours each)	6

Course Sequence (Denton - Online)

Year 1: Fall		
NURS 6124	Role Differentiation: Practice to Research	4
NURS 6613	Introduction to Clinical Investigation in Nursing	3
Statistics Research Tool I or other equivalent course, as needed		
Year 1: Spring		
NURS 6623	Systematic Inquiry in Nursing	3
Second Research Tool I		3
Statistics Research Tool II or other equivalent course, as needed		
Year 1: Summer		
NURS 6053	Exploring Scholarship	3
Second Research Tool II		3
Year 2: Fall		
NURS 6004	Theory and Foundations of Nursing Research	4
Preliminary Examination		
Women's Health or Education elective, as needd		3
Year 2: Spring		
NURS 6014	Theory and Methods of Quantitative Nursing Research	4
Women's Health or Education elective, as needed		2
Year 2: Summer		
NURS 6024	Theory and Methods of Qualitative Nursing Research	4
IRB Application for the Pilot Study		
Year 3: Fall		
NURS 6034	Research/Theory Synthesis	4
Women's Health or Education elective, as needed		0-3
Year 3: Spring		
NURS 6911	Independent Study (Candidacy)	1
Year 3: Summer		
NURS 6983	Dissertation	3
Year 4: Fall		
NURS 6993	Dissertation (continue to enroll as needed)	3

Doctor of Nurse Practitioner to Doctor of Philosophy in Nursing Bridge Program of Study (35 semester credit hours)

Required Courses		
NURS 6124	Role Differentiation: Practice to Research	4
NURS 6004	Theory and Foundations of Nursing Research	4
NURS 6014	Theory and Methods of Quantitative Nursing Research	4
NURS 6024	Theory and Methods of Qualitative Nursing Research	4

NURS 6034	Research/Theory Synthesis	4
NURS 6053	Exploring Scholarship	3
Elective in Women's Health		3
Elective in Education		3
Research Tools (12 semester credit hours, not included in total program semester credit hours)		
NURS 6983	Dissertation	3
NURS 6993	Dissertation	3
Total Semester Credit Hours		35

Doctor of Nursing Practice (D.N.P.)

Admission Requirements

All applicants must meet the general requirements for admission (p. 56) to the Graduate School. In addition to those general requirements, the College of Nursing requires the following for admission to the D.N.P. program:

1. Master's degree with a major in nursing from a program accredited by a nationally recognized accrediting body.
2. APRN certification (http://aprncertification.com) (nationally accredited) or eligibility to be recognized as an APRN in Texas.
3. Course in research at the graduate level.
4. Current unencumbered US RN and APRN license.
5. Certification as an APRN by a nationally recognized accrediting body
6. Curriculum vita or resume.
7. Two letters of recommendation.
8. Essay discussing professional goals.
9. GRE or MAT scores.

In order to be considered for admission, please use the following application deadlines. These are the deadlines for all materials to be submitted including the application, all transcripts, reference letters, CV, and essay discussing professional goals.

Semester for Admission	Submit application no later than
Fall	May 1
Spring	September 15

Admission to the DNP program may be awarded on an unconditional or provisional basis.

1. A minimum grade point average (GPA) of 3.5 on all prior graduate level course work and
2. A preferred score of 460 on the Graduate Record Examination (http://www.ets.org/gre) (GRE) Verbal and 500 on the GRE Quantitative if taken prior to 8/1/11; A preferred score of 142 on the GRE Verbal, 142 on the GRE Quantitative, and 4.0 on the GRE Analytic if taken after 8/1/11; or
3. A preferred score of 50 on the Miller Analogies Test (http://www.pearsonassessments.com/postsecondaryeducation/graduate_admissions/mat.html) (MAT) prior to 10/1/04. Preferred score of 400 after 10/1/04.

Applicants who do not meet the unconditional criteria, but who have a minimum GPA of 3.0 on prior graduate level course work may be considered for provisional admission on an individual basis. Factors that will be considered in the admission decision are GPA on graduate level course work, GRE verbal and quantitative scores or MAT score, scholarly activities, professional leadership, and work history.

General Requirements

Clinical Course Requirements

Prior to enrollment in any clinical nursing course each D.N.P. student must show proof of:

- Professional liability insurance provided through a TWU student liability group policy.
- Current professional licensure to practice as a Registered Nurse in Texas, unencumbered.
- Recognition as an APRN in Texas.
- Current immunizations as required by Texas Law.
- Prior to enrollment in the clinical residency courses, the D.N.P. student must have completed at least 1 year of full-time experience as an APRN.

Students will be required to meet clinical agency requirements such as drug testing and criminal background screening.

Special Requirements

1. Grade of B or better is required in all courses. A student who has earned a grade of less than B (C, D, F, or WF) in two nursing courses at the graduate level or who has earned a grade of less than B (C, D, F, or WF) in the same graduate level course will be removed from the nursing program. For the purpose of removal from the nursing program, a grade of less than B is counted as a grade of less than B even if the course has been successfully repeated.
2. Students admitted to the doctoral program provisionally, based on low GPA or GRE/MAT, must complete the first 12 semester credit hours of coursework with a grade of B or better in each course; at least 6 semester credit hours must be in nursing courses. A provisionally admitted student will be dismissed from the program if a grade of C or lower is made in any course during the probationary period.

Clinical Residency

500 contact hours in the selected area(s) of clinical expertise.

Capstone Project

Written analysis of a clinical problem or issue based on current scientific evidence, informatics, and technological advances. The project is not a research project; the project is an evidence-based solution to a clinical problem, or quality improvement of a current clinical problem.

Doctor of Nursing Practice Program of Study (46 semester credit hours)

Required Courses		
NURS 6023	Philosophy of Nursing Science	3
NURS 6033	Ethical Dimensions of Nursing	3
NURS 6043	Policy, Power, and Politics	3
NURS 6163	Health Outcomes: Measurement, Management, and Analysis	3
NURS 6313	Epidemiology, Health Promotion, and Research in Advanced Nursing Practice	3
NURS 6323	Informatics and Research in Nursing	3
NURS 6613	Introduction to Clinical Investigation in Nursing	3
BIOL 6843	Health Care Genetics	3
NURS 6903	Special Topics	3
NURS 6035	DNP Practicum I	5
NURS 6045	DNP Practicum II	5
NURS 6303	Professional Capstone Project	3
LS 5533	Internet Research for Non-Library Science Majors	3
Nursing Elective		3
Total Semester Credit Hours		46

Post-Master Nursing Certifications

Individuals who have a master's degree in nursing may be considered for admission to a post-master’s certification program in one of three areas: nurse practitioner, nursing/health systems management, or nursing education.

If a student in one of the certification options is practicing as an advanced practice registered nurse and is currently credentialed by the Texas Board of Nursing as an advanced practice registered nurse, the advanced pathophysiology, pharmacotherapeutics, and advanced assessment courses may have been completed no more than 15 years earlier.

Nurse Practitioner

Post-Master's Certificate: Adult Gerontology Acute Care Program of Study (34 semester credit hours)

BIOL 5333	Advanced Pathophysiology	3
NURS 5663	Pharmacotherapeutics for Advanced Nursing Practice	3
NURS 5644	Advanced Assessment/Differential Diagnosis	4
NURS 5001	Advanced Practice Nursing Seminar	1
NURS 5005	Adult/Gerontology Acute Care Nurse Practitioner I	5
NURS 5015	Adult/Gerontology Acute Care Nurse Practitioner II	5
NURS 5025	Adult/Gerontology Acute Care Nurse Practitioner III	5
NURS 5683	Nurse Preceptorship I	3

NURS 5695	Nurse Preceptorship II	5
Total Semester Credit Hours		34

Post-Master's Certificate: Adult Gerontology Program of Study (34 semester credit hours)

BIOL 5333	Advanced Pathophysiology	3
NURS 5663	Pharmacotherapeutics for Advanced Nursing Practice	3
NURS 5644	Advanced Assessment/Differential Diagnosis	4
NURS 5001	Advanced Practice Nursing Seminar	1
NURS 5525	Adult/Gerontology Nursing I	5
NURS 5505	Adult/Gerontology Nursing II	5
NURS 5515	Adult/Gerontology Nursing III	5
NURS 5683	Nurse Preceptorship I	3
NURS 5695	Nurse Preceptorship II	5
Total Semester Credit Hours		34

Post-Master's Certificate: Family Nurse Practitioner Program of Study (34 semester credit hours)

BIOL 5333	Advanced Pathophysiology	3
NURS 5663	Pharmacotherapeutics for Advanced Nursing Practice	3
NURS 5644	Advanced Assessment/Differential Diagnosis	4
NURS 5001	Advanced Practice Nursing Seminar	1
NURS 5625	Family Health Nursing I	5
NURS 5605	Family Health Nursing II	5
NURS 5615	Family Health Nursing III	5
NURS 5683	Nurse Preceptorship I	3
NURS 5695	Nurse Preceptorship II	5
Total Semester Credit Hours		34

Post-Master's Certificate: Pediatric Nurse Practitioner Program of Study (34 semester credit hours)

BIOL 5333	Advanced Pathophysiology	3
NURS 5663	Pharmacotherapeutics for Advanced Nursing Practice	3
NURS 5644	Advanced Assessment/Differential Diagnosis	4
NURS 5001	Advanced Practice Nursing Seminar	1
NURS 5325	Child Health Nursing I	5
NURS 5305	Child Health Nursing II	5
NURS 5315	Child Health Nursing III	5
NURS 5683	Nurse Preceptorship I	3
NURS 5695	Nurse Preceptorship II	5
Total Semester Credit Hours		34

Post-Master's Certificate: Women's Health Nurse Practitioner Program of Study (34 semester credit hours)

BIOL 5333	Advanced Pathophysiology	3
NURS 5663	Pharmacotherapeutics for Advanced Nursing Practice	3
NURS 5644	Advanced Assessment/Differential Diagnosis	4
NURS 5001	Advanced Practice Nursing Seminar	1
NURS 5425	Women's Health Nursing I	5
NURS 5405	Women's Health Nursing II	5
NURS 5415	Women's Health Nursing III	5
NURS 5683	Nurse Preceptorship I	3

NURS 5695	Nurse Preceptorship II	5
Total Semester Credit Hours		34

Clinical Nurse Leader

Post-Master's Certificate: Clinical Nurse Leader Program of Study (31 semester credit hours)

BIOL 5333	Advanced Pathophysiology	3
NURS 5663	Pharmacotherapeutics for Advanced Nursing Practice	3
NURS 5644	Advanced Assessment/Differential Diagnosis	4
NURS 5001	Advanced Practice Nursing Seminar	1
NURS 5016	Clinical Nurse Leader I	6
NURS 5026	Clinical Nurse Leader II	6
NURS 5034	Clinical Nurse Leader Immersion Experience I	4
NURS 5044	Clinical Nurse Leader Immersion Experience II	4
Total Semester Credit Hours		31

Nursing Health Systems Management

Post-Master's Certificate: Nursing Health Systems Management (HCA Minor) Program of Study (22-23 semester credit hours)

HCA 5493	Performance Measurement and Quality in Health Care Administration	3
HCA 5223	Strategic Organizational Theory in Healthcare	3
HCA 5623	Economics of Health Care	3
HCA 5533	Management Accounting for Health Care Organizations	3
NURS 5554	Health Systems Management Challenges and Opportunities	4
Choose 2 of the following courses:		6-7
NURS 5544	Organizational Assessment Practicum	
NURS 5543	Outcomes Assessment Practicum	
NURS 5553	Fiscal Assessment Practicum	
Total Semester Credit Hours		22-23

Post-Master's Certificate: Nursing Health Systems Management (Business Minor) Program of Study (22-23 semester credit hours)

BUS 5523	Management and Organization	3
BUS 5273	Human Resource Administration	3
BUS 5433	Managerial Accounting	3
BUS 5963	Management Operations	3
NURS 5554	Health Systems Management Challenges and Opportunities	4
Choose 2 of the following courses:		6-7
NURS 5544	Organizational Assessment Practicum	
NURS 5543	Outcomes Assessment Practicum	
NURS 5553	Fiscal Assessment Practicum	
Total Semester Credit Hours		22-23

Nursing Education

Post-Master's Certificate: Nursing Education Program of Study (26 semester credit hours)

NURS 5644	Advanced Assessment/Differential Diagnosis	4
BIOL 5333	Advanced Pathophysiology	3
NURS 5663	Pharmacotherapeutics for Advanced Nursing Practice	3
NURS 5203	Theoretical Bases for Nursing Education	3
NURS 5253	Curriculum Design and Management in Nursing	3
NURS 5294	Teaching Practicum in Nursing	4

Choose 2 of the following courses:		6
NURS 5273	Measurement and Assessment in Nursing	
NURS 5263	Educational Communication and Technologies of Education	
NURS 5283	Evaluation Models for Curriculum Management	
Total Semester Credit Hours		26

Post-Baccalaureate Certification in Interprofessional Informatics Program

The online Post-Baccalaureate Certificate in Interprofessional Informatics is intended for those professionals who have a bachelor's degree and who are seeking additional education and training in informatics. This certificate will provide students with academic and supervised practicums in informatics. Content includes technology-based health promotion, data application, interaction design and telehealth. The program uses an interprofessional education/collaborative approach to learning. The certificate program is designed for students from a variety of disciplines including but not limited to Nursing, Occupational Therapy, Physical Therapy, Nutrition Science and Health Systems Management. Students enrolled in the certificate program will complete a synthesis course integrating and applying program content. Students with limited experience in informatics may be required take an introductory course in informatics based upon advice of the program coordinator or faculty.

Prerequisite Course		
NURS 6323	Informatics and Research in Nursing	
Required Courses		
NURS 6813	Data Applications for Health Promotion In Nursing	3
NURS 6963	Telehealth and Remote Monitoring	3
NURS 6943	Technology-Enhanced Health Promotion	3
NURS 6903	Special Topics (Interaction Design in Health Informatics)	3
NURS 6903	Special Topics (Interprofessional Informatics Synthesis)	3

Faculty

NOTE: Asterisk (*) denotes Graduate Faculty status. List is correct as of August, 2015.

Faculty

* ABELLERA, ROBIN L., Assistant Clinical Professor of Communication Sciences and Disorders. B.S., University of Houston; M.A., Texas Woman's University.

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* BEN-EZRA, VICTOR, Professor of Kinesiology. B.S., City University of New York City College; M.S., Springfield College; Ph.D., University of Maryland, College Park.

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* DEMUYNCK, MARIE-ANNE, Professor of Computer Science. B.A., Catholic University of Leuven; M.A., Catholic University of Leuven; M.S., Texas Woman's University; Ph.D., University of North Texas.

* DENHAM, SHARON A., Professor and Endowed Chair of Teaching Excellence of Nursing. B.S.N., Ohio State University-Athens; M.S.N, Bellarmine University; D.S.N., University of Alabama, Birmingham.

DENKE, LINDA, Visiting Assistant Clinical Professor of Nursing. B.S.N., Arizona State; M.S.N., University of Texas at Arlington; Ph.D., University of Texas at Arlington.

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2012 PAULA ANN HUGHES, Ph.D., Professor of Business and Economics

2011 PENELOPE HANSTEIN, Ph.D., Professor of Dance

2010 PHYLLIS BRIDGES, Ph.D., Professor of English

2009 MICHAEL WIEBE, Ph.D., Professor of Teacher Education

2008 JIM ALEXANDER, Ph.D., Professor of History and Government

2007 WILLIAM B. CISSELL, Ph.D., Professor of Health Studies

2006 SUSAN CHANEY, Ph.D., Professor of Nursing

2005 RONALD FRENCH, Ph.D., Professor of Kinesiology

2004 JAMES JOHNSON, Ph.D., Professor of Chemistry

2003 VALENTINE J. BELFIGLIO, Ph.D., Professor of History and Government

2002 GLEN JENNINGS, Ed.D., Professor of Family Sciences

2001 BILLIE J. ASKEW, Ph.D., Professor of Reading

2000 DELAINA WALKER-BATSON, Ph.D., Professor of Communication Sciences and Disorders

1999 LYNDA UPHOUSE, Ph.D., Professor of Biology

1998 MARGARET M. GRIFFIN, Ed.D., Professor of Reading and Bilingual Education

1997 BETTY B. ALFORD, Ph.D., Professor of Nutrition

1996 JUDITH McFARLANE, D.P.H., Professor of Nursing

1995 BETTYE B. MYERS, Ph.D., Professor of Kinesiology

1994 TURNER KOBLER, Ph.D., Professor of English

1993 MARTHA H. SWAIN, Ph.D., Professor of History

1992 GEORGE H. STEWART, Ph.D., Professor of Chemistry

1991 MONA S. HERSH-COCHRAN, Ph.D., Professor of Economics

1990 PAUL E. THETFORD, Ph.D., Professor of Psychology

1989 JOHN CHRISTY, Ph.D., Professor of Mathematics

1988 JANE MOTT, Ph.D., Professor of Physical Education

1986 ROSE SPICOLA, Ph.D., Professor of Reading and Bilingual Education

1985 LAVON B. FULWILER, Ph.D., Professor of English

1984 ROBERT FUERST, Ph.D., Professor of Biology

1983 CLARICE GARRETT, Ph.D., Professor of Fashion and Textiles

1982 CLIFTON T. SPARKS, Ph.D., Professor of Counselor Education and Personnel Services; Dean of the College of Education

1981 JOHN W. McFARLAND, Ed.D., Professor of Counselor Education and Personnel Services

1980 AILEENE LOCKHART, D.Sc., Ph.D., Piper Professor of Dance and Professor of Physical Education

1979 A. ELIZABETH TAYLOR, Ph.D., Piper Professor of History and Government

1978 ETHELYN DAVIS, Ph.D., Professor and Chair of the Department of Sociology and Social Work

Emeritus Faculty

The Emeritus Faculty of Texas Woman's University are a valued and treasured resource, and they represent the rich history of the university. You can find a listing of the Emeritus Faculty on the TWU website (http://www.twu.edu/osap/faculty-staff-resources.asp).

Course Abbreviations

Abbreviation	Title
ART	Visual Arts
BACT	Bacteriology
BIOL	Biology
BUS	Business
CHEM	Chemistry
COMS	Communication Sciences and Disorders
CSCI	Computer Science
DH	Dental Hygiene
DNCE	Dance
DRAM	Drama
ECO	Economics
EDBE	Education/Bilingual
EDSP	Education/Special
EDUC	Education
ELDR	Education/Administration
ENG	English
FL	Foreign Languages
FS	Family Sciences
FT	Fashion and Textiles
GOV	Government
HCA	Health Care Administration
HSM	Health Systems Management
HIST	History
HS	Health Studies
KINS	Kinesiology
LS	Library Science
MATH	Mathematics
MU	Music
NFS	Nutrition and Food Sciences
NURS	Nursing
OT	Occupational Therapy
PHIL	Philosophy
PHYS	Physics
PSY	Psychology
PT	Physical Therapy
READ	Reading
SCI	Science
SOCI	Sociology
SOWK	Social Work
SPAN	Spanish
SPCH	Speech
WS	Women's Studies
ZOOL	Zoology

Campus Maps

For campus maps and locations, visit the Campus Maps and Locations on the TWU website (http://www.twu.edu/maps.asp).

Building Abbreviation	Building Name
ACT	Administration Conference Tower
ADM	Admissions Building
ART	Art Building
ASB	Arts and Sciences Building
ASSC	Ann Stuart Science Complex
BHL	Blagg-Huey Library
CFO	Classroom and Faculty Office Building
DGL	Dance, Gymnastics, and Human Performance Laboratories
GRB	Graduate Research Building
HDB	Human Development Building
INSD	Institute of Health Sciences - Dallas Center
IHSH	Institute of Health Sciences - Houston Center
MCL	Multipurpose Classroom-Laboratory Building
MJPH	Margo Jones Performance Hall
MUS	Music Building
OMB	Old Main Building
PB	Patio Building
PH	Pioneer Hall
RBD	Redbud Theater Complex
SH	Stoddard Hall
ULB	Undergraduate Laboratory Building

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Introduction

Catalog Effective Date

The provisions of this online catalog apply to students entering at the beginning of or after the first semester of the 2016-2017 academic year. In general, a student can expect to follow guidelines in the catalog for up to six years. However, the catalog is subject to change as indicated below.

Change of Catalog Information

Offerings in this catalog (including individual courses, major and minor subjects, groups of courses leading to degrees and other degree requirements) are subject to such changes as appropriations or enrollment may warrant or the University determines appropriate, from time to time and without prior notice, and to other deviations as may be authorized or required by law.

When changes are made, either in academic programs, policies, or other matters, the changes may first appear in the University's online policy manual, Schedule of Classes, or the departmental/unit web pages accompanied by the effective date designating when the change becomes effective. When the next online catalog is published, these changes are added.

Nondiscrimination Policy

Texas Woman's University strives to create and actively promote a welcoming and supportive environment in order to recruit, hire, retain and support a culturally diverse faculty, staff, and student body. TWU provides an environment of nondiscrimination and affirmative action for everyone. As a part of the Texas Woman's University's program for equal opportunity, the policy statement on nondiscrimination is as follows:

In compliance with the Equal Pay Act of 1963, as amended; Title VI and VII of the Civil Rights Act of 1964, as amended; the Equal Employment Opportunity Act of 1972; the Age Discrimination in Employment Act of 1967, as amended; the Americans with Disabilities Act of 1990, as amended; Title IX of the Education Amendments Act of 1972, as amended; Sections 503 and 504 of the Rehabilitation Act of 1973; the Employee Retirement Income Security Act of 1974, as amended; the Vietnam Era Veteran's Readjustment Assistance Act of 1974; the Civil Rights Act of 1991, as amended; the Worker Adjustment and Retraining Notification Act of 1988; Equal Rights under the Law, 42 U.S.C. §1981; State of Texas Anti-Discrimination Laws, and federal, state and local human rights, fair employment and other laws; the University does not discriminate against any person on the basis of race, age, color, religion, sex, sexual orientation, gender identity or expression, national or ethnic origin, veteran's status, or against qualified individuals with disabilities.

This Statement forms a baseline from which the TWU community works to assure fairness and equity to all who pursue their educational and professional goals at this University. Retaliation against individuals who in good faith, file a claim of discrimination or otherwise oppose discriminatory actions or practices will not be tolerated.

Inquiries or questions concerning University policies or procedures may be directed to the designated officials named below:

- Equal Employment Opportunity/Affirmative Action Officer:

  Senior Associate Vice President of Human Resources and CHRO
  Office of Human Resources
  Texas Woman's University
  P.O. Box 425739
  Denton, TX 76204

- Title VI Officer:

  Vice President for Student Life
  Student Life Office
  Texas Woman's University
  P.O. Box 425379
  Denton, TX 76204-5379

- Title IX Officer:

  Assistant Director of Employee Relations
  Office of Human Resources
  Texas Woman's University
  P.O. Box 425739
  Denton, TX 76204

- Americans with Disabilities Act Officer:

  Senior Associate Vice President of Human Resources and CHRO
  Office of Human Resources
  Texas Woman's University
  P.O. Box 425739
  Denton, TX 76204

- For information on accommodations, students should contact:

  Director of Disability Support Services
  P.O. Box 425966
  Texas Woman's University
  Denton, TX 76204

Family Educational Rights and Privacy Act (FERPA)

Pursuant to the Family Educational Rights and Privacy Act (http://www.twu.edu/registrar/academic-records-policy.asp) (FERPA), the University has established policies relating to the accessibility of student information in the custody of Texas Woman's University. The TWU FERPA policy appears in its entirety in the TWU policy manual, policy number 2.43. It is the policy of Texas Woman's University to obtain the written consent of a student before disclosing personally identifiable information from that student's education records other than directory information and information requested for official use.

Requesting Copies of Education Records

Copies of education records to which students have access will be available at the student's written and signed request. The copies will be ready for the student within a reasonable period of time following the submission of the written request. There is no charge to students for copies of their records other than requests for official transcripts.

Copies of unofficial transcripts may be obtained free of charge in the Office of the Registrar or through WebAdvisor. For official transcripts, there is a $10 charge per transcript request and all outstanding financial obligations to the University must be cleared. For more information on requesting either an unofficial transcript or ordering official transcripts, please visit the Office of the Registrar (http://www.twu.edu/registrar/transcript-request.asp).

Disclosure of Education Records and Directory Information

It is the policy of Texas Woman's University to obtain the written consent of a student before disclosing personally identifiable information from that student's education records other than directory information and information requested for official use. Those who may obtain academic records, other than directory information, without prior written consent may include:

1. TWU school officials with a legitimate educational interest
2. Officials of other schools where the student seeks or intends to enroll
3. Certain representatives of the federal government
4. State educational authorities
5. Governmental representatives in connection with financial aid for which a student has applied
6. Organizations conducting studies for or on behalf of educational institutions or agencies for testing purposes, student aid programs, and instructional improvement
7. Accrediting organizations
8. Those responsible for ensuring compliance with a judicial order
9. Appropriate parties in a health and/or safety emergency
10. Parents of a dependent student as defined in Section 152 of the Internal Revenue Code of 1954

Education records are those records, files, documents, and other materials which:

1. Contain information directly related to a student and
2. Are maintained by an educational agency or institution.

Directory Information

Directory information means information contained in the education record of a student that would generally not be considered harmful or an invasion of privacy if disclosed. The following types of student information at TWU are considered "directory" for the purposes of this policy:

- Name
- Local and permanent address
- TWU e-mail address
- Telephone listing
- Month, day, and place of birth
- Major field of study
- Participation in officially recognized activities and sports
- Weight and height of members of athletic teams
- Dates of attendance
- Enrollment status (e.g., undergraduate or graduate; full-time or part-time)
- Classification
- Degrees, awards, and honors received (including selection criteria)
- Expected graduation date
- Dissertation and thesis titles
- Most previous school attended
- Photograph

To prohibit directory information from being disclosed the student must submit the Request to Withhold Directory Information (http://www.twu.edu/downloads/registrar/Request_to_Withhold_Directory_Information.pdf) form to the Office of the Registrar (http://www.twu.edu/registrar/default.asp) by 5:00 p.m. of the Census Date for the semester. Check the Academic Calendar (http://twu.edu/registrar/academic-calendars.asp) for Census Dates.

Limitations on Right to Review Education Records

Educational records to which students may have access do not include the following:

- Financial records and statements of their parents or any information contained therein, without parents' authorization.
- Records which are "created or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional" acting in a professional capacity which are created or used only in connection with the provision of treatment for the student and which are held in strict confidence, provided they may be personally reviewed by a physician or other appropriate professional of the student's choice.
- Working records which are the sole possessions of instructional, supervisory, administrative, and educational personnel provided they are "not accessible or revealed to any other person except a substitute."
- Confidential letters and/or statements written prior to January 1, 1975, and those written with a documented understanding of confidentiality.

Request to Amend Education Records

A student who believes that information contained in education records is inaccurate or misleading may request that the record(s) be amended. The student should first meet with the administrative or faculty official responsible for the record.

If such a meeting is not sufficient to resolve the difference, the matter should be reviewed by the appropriate dean. If the differences remain unresolved, the student should submit a written request for a hearing to the appropriate Vice President. The student will be informed well in advance of the date, place, and time of the hearing. Opportunity will be afforded the student to present evidence related to the issue in question. The student may be represented by individuals of her/his choice. A decision in writing will be provided to the student within a reasonable period of time after the conclusion of the hearing.

A request to amend a grade, or a hearing to contest the assignment of a grade, is not allowed under this procedure. However, one may contest whether or not the grade was recorded accurately. The procedure indicated above does not apply to placement credentials.

Student Access

Students may inspect and review their education records upon request and upon completion of a form supplied by the component maintaining the records in question. Access is given to a student within a reasonable period of time, but in no case more than 45 days after the request has been made. An appropriate administrative official or member of the faculty will obtain the record for the student and will be present while the student reviews the record.

Education Records

Education records of the University are contained in the offices of the:

1. University Registrar
2. Dean of the Graduate School
3. Director of Career and Employment Services
4. Associate Provost for Technology
5. Director of Student Financial Aid
6. Director of University Health Services
7. Provost
8. Vice President for Student Life

Privacy Statement

Texas Woman's University respects student privacy. Certain classes may include interactive components that are recorded and/or transmitted to other sites. Electronic archival of recorded classroom instruction shall remain the sole and complete property of TWU and may be distributed to enrolled students unable to receive instruction due to technical difficulties or extraordinary circumstances. Personal information provided via e-mail, interactive instruction or through other online means will be used only for purposes necessary to serve enrolled students' needs, such as responding to an inquiry, earning academic credit or fulfilling other requests for information. For more information about the privacy statement, please contact the Office of Information Services at 940-898-3980 or through regular mail at:

Information Services
P.O. Box 425797
Denton, Texas 76204-5797

Transcripts

For information on obtaining an official or unofficial TWU transcript, see the Transcript Request (p. 58) section of this catalog.

Changing Name and Other Personal Information

To change or correct personal information in academic records, see the Changing Name and Other Personal Information (p. 58) section of this catalog.

Officers of Administration

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Colleges

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ANITA HUFFT, Ph.D., Dean, College of Nursing
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JERRY WHITWORTH, Ed.D., Interim Dean, College of Professional Education

Undergraduate Degrees Offered at TWU

For a list of graduate level degrees offered, visit the Graduate Catalog (http://catalog.twu.edu/graduate/degrees-offered-twu).

For **transfer equivalency information**, select the degree program below and see the TCCN (Texas Common Course Number) column in the Program of Study.

* Denotes Distance Education (p. 15) completion degree available.

Degree	Department/Program	College/School
General Studies - B.G.S. * (p. 74)		Arts and Sciences (p. 73)
Criminal Justice - B.S. * (p. 81)	Criminal Justice (p. 76)	Arts and Sciences (p. 73)
Biology - B.S. (p. 87)	Biology (p. 84)	Arts and Sciences (p. 73)
Biology with Teacher Certification for 4-8 Science - B.S. (p. 89)	Biology (p. 84)	Arts and Sciences (p. 73)
Biology with Teacher Certification for 7-12 Composite Science - B.S. (p. 91)	Biology (p. 84)	Arts and Sciences (p. 73)
Biology with Certification for 7-12 Life Science - B.S. (p. 93)	Biology (p. 84)	Arts and Sciences (p. 73)
Medical Technology - B.S. (p. 95)	Biology (p. 84)	Arts and Sciences (p. 73)
Biochemistry - B.S. with American Chemical Society Certification (p. 102)	Chemistry and Biochemistry (p. 98)	Arts and Sciences (p. 73)
Biochemistry (for Pre-Health Majors) - B.S. (p. 103)	Chemistry and Biochemistry (p. 98)	Arts and Sciences (p. 73)
Chemistry - B.S. (p. 105)	Chemistry and Biochemistry (p. 98)	Arts and Sciences (p. 73)
Chemistry with American Chemical Society Certification - B.S. (p. 106)	Chemistry and Biochemistry (p. 98)	Arts and Sciences (p. 73)
Chemistry/Biochemistry with 7-12 Science Teacher Certification - B.S. (p. 108)	Chemistry and Biochemistry (p. 98)	Arts and Sciences (p. 73)
Chemistry/Biochemistry with 6-12 Physical Science Teacher Certification - B.S. (p. 109)	Chemistry and Biochemistry (p. 98)	Arts and Sciences (p. 73)
English (Literature) - B.A. (p. 114)	English, Speech, and Foreign Languages (p. 111)	Arts and Sciences (p. 73)
English (Rhetoric and Writing) - B.A. (p. 116)	English, Speech, and Foreign Languages (p. 111)	Arts and Sciences (p. 73)
English (7-12 Teacher Certification) - B.A. (p. 118)	English, Speech, and Foreign Languages (p. 111)	Arts and Sciences (p. 73)
Government (Legal Studies Emphasis) - B.A. (p. 135)	History and Government (p. 120)	Arts and Sciences (p. 73)
Government (Politics Emphasis) - B.A. (p. 125)	History and Government (p. 120)	Arts and Sciences (p. 73)
Government (Legal Studies Emphasis) - B.S. (p. 136)	History and Government (p. 120)	Arts and Sciences (p. 73)
Government (Politics Emphasis) - B.S. (p. 126)	History and Government (p. 120)	Arts and Sciences (p. 73)
History - B.A. (p. 128)	History and Government (p. 120)	Arts and Sciences (p. 73)
History (4-8 History/Social Studies Certification) - B.A. (p. 129)	History and Government (p. 120)	Arts and Sciences (p. 73)
History (7-12 History/Social Studies Certification) - B.A. (p. 130)	History and Government (p. 120)	Arts and Sciences (p. 73)
History - B.S. (p. 131)	History and Government (p. 120)	Arts and Sciences (p. 73)
History (4-8 History/Social Studies Certification) - B.S. (p. 132)	History and Government (p. 120)	Arts and Sciences (p. 73)
History (7-12 History/Social Studies Certification) - B.S. (p. 134)	History and Government (p. 120)	Arts and Sciences (p. 73)
Computer Science - B.S. (p. 143)	Mathematics and Computer Science (p. 138)	Arts and Sciences (p. 73)
Computer Science (7-12 Computer Science Certification) - B.S. (p. 144)	Mathematics and Computer Science (p. 138)	Arts and Sciences (p. 73)

Health Informatics (Clinical Applications Minor) - B.S. (p. 147)	Mathematics and Computer Science (p. 138)	Arts and Sciences (p. 73)
Health Informatics (Health Studies Minor) - B.S. (p. 148)	Mathematics and Computer Science (p. 138)	Arts and Sciences (p. 73)
Informatics (Data Science Minor) - B.S. (p. 150)	Mathematics and Computer Science (p. 138)	Arts and Sciences (p. 73)
Informatics (Community Informatics Minor) - B.S. (p. 149)	Mathematics and Computer Science (p. 138)	Arts and Sciences (p. 73)
Mathematics - B.S. (p. 151)	Mathematics and Computer Science (p. 138)	Arts and Sciences (p. 73)
Mathematics (4-8 Mathematics Certification) - B.S. (p. 153)	Mathematics and Computer Science (p. 138)	Arts and Sciences (p. 73)
Mathematics (7-12 Mathematics Certification) - B.S. (p. 154)	Mathematics and Computer Science (p. 138)	Arts and Sciences (p. 73)
Psychology - B.S. (p. 162)	Psychology and Philosophy (p. 157)	Arts and Sciences (p. 73)
Psychology (Graduate School Preparation) - B.S. (p. 163)	Psychology and Philosophy (p. 157)	Arts and Sciences (p. 73)
Psychology (Pre-Occupational Therapy) - B.S. (p. 165)	Psychology and Philosophy (p. 157)	Arts and Sciences (p. 73)
Psychology (Pre-Physical Therapy) - B.S. (p. 166)	Psychology and Philosophy (p. 157)	Arts and Sciences (p. 73)
Sociology - B.S. * (p. 174)	Sociology and Social Work (p. 169)	Arts and Sciences (p. 73)
Sociology (Social Inequality Emphasis) - B.S. (p. 175)	Sociology and Social Work (p. 169)	Arts and Sciences (p. 73)
Social Work - B.S.W. (p. 177)	Sociology and Social Work (p. 169)	Arts and Sciences (p. 73)
Fashion Design - B.A. (p. 186)	Fashion and Textiles (p. 181)	Arts and Sciences (p. 73)
Fashion Design/Fashion Merchandising - B.A./B.S. (p. 188)	Fashion and Textiles (p. 181)	Arts and Sciences (p. 73)
Fashion Design/ General Business (Entrepreneurship emphasis) - B.A./B.B.A. (p. 191)	Fashion and Textiles (p. 181)	Arts and Sciences (p. 73)
Fashion Design/Marketing - B.A./B.B.A. (p. 194)	Fashion and Textiles (p. 181)	Arts and Sciences (p. 73)
Fashion Merchandising (Management emphasis with Marketing minor) - B.S. (p. 196)	Fashion and Textiles (p. 181)	Arts and Sciences (p. 73)
Fashion Merchandising (Planning emphasis with Marketing minor) - B.S. (p. 198)	Fashion and Textiles (p. 181)	Arts and Sciences (p. 73)
Fashion Merchandising/General Business (Entrepreneurship emphasis) - B.S./B.B.A. (p. 200)	Fashion and Textiles (p. 181)	Arts and Sciences (p. 73)
Fashion Merchandising/Management - B.S./B.B.A. (p. 203)	Fashion and Textiles (p. 181)	Arts and Sciences (p. 73)
Fashion Merchandising/Marketing - B.S./B.B.A. (p. 205)	Fashion and Textiles (p. 181)	Arts and Sciences (p. 73)
Dance - B.A. (p. 213)	Dance (p. 210)	Arts and Sciences (p. 73)
Dance (8-12 Dance Certification) - B.A. (p. 215)	Dance (p. 210)	Arts and Sciences (p. 73)
Art (EC-12 Art Education Certification) - B.A. (p. 223)	Visual Arts (p. 219)	Arts and Sciences (p. 73)
Art (History of Art) - B.A. (p. 224)	Visual Arts (p. 219)	Arts and Sciences (p. 73)
Art (Studio Art) - B.A. (p. 226)	Visual Arts (p. 219)	Arts and Sciences (p. 73)
Art (Ceramics) - B.F.A. (p. 227)	Visual Arts (p. 219)	Arts and Sciences (p. 73)
Art (Graphic Design) - B.F.A. (p. 229)	Visual Arts (p. 219)	Arts and Sciences (p. 73)
Art (Painting) - B.F.A. (p. 231)	Visual Arts (p. 219)	Arts and Sciences (p. 73)
Art (Photography) - B.F.A. (p. 232)	Visual Arts (p. 219)	Arts and Sciences (p. 73)
Art (Photography with Business) - B.F.A. (p. 234)	Visual Arts (p. 219)	Arts and Sciences (p. 73)
Art (Sculpture) - B.F.A. (p. 236)	Visual Arts (p. 219)	Arts and Sciences (p. 73)
Music Therapy - B.S. (p. 255)	Music (p. 238)	Arts and Sciences (p. 73)

Music (EC-12 Band Certification) - B.A. (p. 246)	Music (p. 238)	Arts and Sciences (p. 73)
Music (EC-12 Choral Certification) - B.A. (p. 244)	Music (p. 238)	Arts and Sciences (p. 73)
Music (EC-12 Strings Certification) - B.A. (p. 253)	Music (p. 238)	Arts and Sciences (p. 73)
Music (Instrumental Performance) - B.A. (p. 251)	Music (p. 238)	Arts and Sciences (p. 73)
Music (Piano Performance) - B.A. (p. 250)	Music (p. 238)	Arts and Sciences (p. 73)
Music (Vocal Performance) - B.A. (p. 248)	Music (p. 238)	Arts and Sciences (p. 73)
Music (Liberal Arts) - B.A. (p. 243)	Music (p. 238)	Arts and Sciences (p. 73)
Drama (Acting & Directing) - B.A. (p. 261)	Drama (p. 259)	Arts and Sciences (p. 73)
Drama (Technical & Design) - B.A. (p. 263)	Drama (p. 259)	Arts and Sciences (p. 73)
Drama (EC-12 Drama Certification) - B.A. (p. 264)	Drama (p. 259)	Arts and Sciences (p. 73)
Communication Sciences (Deaf Education) - B.S. (p. 287)	Communication Sciences and Disorders (p. 285)	Health Sciences (p. 284)
Communication Sciences (Speech-Language Pathology) - B.S. (p. 288)	Communication Sciences and Disorders (p. 285)	Health Sciences (p. 284)
Health Studies - B.A.S. * (p. 294)	Health Studies (p. 291)	Health Sciences (p. 284)
Health Studies (Community Health) - B.S. * (p. 295)	Health Studies (p. 291)	Health Sciences (p. 284)
Health Studies (Master's Preparation for Prospective Occupational Therapy Students) - B.S. (p. 298)	Health Studies (p. 291)	Health Sciences (p. 284)
Health Studies (Master's Preparation) - B.S. (p. 297)	Health Studies (p. 291)	Health Sciences (p. 284)
Health Studies (EC-12 Health Certification) - B.S. (p. 300)	Health Studies (p. 291)	Health Sciences (p. 284)
Kinesiology (Exercise Science) - B.S. (p. 306)	Kinesiology (p. 302)	Health Sciences (p. 284)
Kinesiology (EC-12 Teaching/Coaching Academy Certification) - B.S. (p. 309)	Kinesiology (p. 302)	Health Sciences (p. 284)
Kinesiology (Exercise Science, Pre-Physical Therapy) - B.S. (p. 308)	Kinesiology (p. 302)	Health Sciences (p. 284)
Culinary Science and Food Service Management - B.A.S. (p. 315)	Nutrition and Food Sciences (p. 312)	Health Sciences (p. 284)
Food and Nutrition in Business and Industry - B.S. (p. 316)	Nutrition and Food Sciences (p. 312)	Health Sciences (p. 284)
Nutrition (Dietetics) - B.S. (p. 318)	Nutrition and Food Sciences (p. 312)	Health Sciences (p. 284)
Nutrition (Nutritional Sciences) - B.S. (p. 321)	Nutrition and Food Sciences (p. 312)	Health Sciences (p. 284)
Nutrition (Wellness) - B.S. (p. 323)	Nutrition and Food Sciences (p. 312)	Health Sciences (p. 284)
Dental Hygiene (Professional Entry-Level Program) - B.S. (p. 327)	Dental Hygiene (p. 325)	Health Sciences (p. 284)
Registered Dental Hygienist to B.S. in Dental Hygiene * (p. 330)	Dental Hygiene (p. 325)	Health Sciences (p. 284)
Nursing - B.S. (p. 346)	Nursing (p. 337)	Nursing (p. 337)
Registered Nurse to B.S. in Nursing * (p. 348)	Nursing (p. 337)	Nursing (p. 337)
Child Development - B.S. (p. 354)	Family Sciences (p. 351)	Professional Education (p. 350)
Child Development (Child Life Emphasis) - B.S. (p. 355)	Family Sciences (p. 351)	Professional Education (p. 350)
Child Development (Pre-Occupational Therapy) - B.S. (p. 357)	Family Sciences (p. 351)	Professional Education (p. 350)
Child Development (Pre-Physical Therapy) - B.S. (p. 358)	Family Sciences (p. 351)	Professional Education (p. 350)
Family and Consumer Sciences (Composite Certification) - B.S. (p. 360)	Family Sciences (p. 351)	Professional Education (p. 350)

Family and Consumer Sciences (Hospitality, Nutrition, and Food Sciences Certification) - B.S. (p. 362)	Family Sciences (p. 351)	Professional Education (p. 350)
Family and Consumer Sciences (Human Development and Family Studies Certification) - B.S. (p. 364)	Family Sciences (p. 351)	Professional Education (p. 350)
Family Studies - B.S. (p. 366)	Family Sciences (p. 351)	Professional Education (p. 350)
Family Studies (Pre-Occupational Therapy) - B.S. (p. 368)	Family Sciences (p. 351)	Professional Education (p. 350)
Interdisciplinary Studies (EC-6 Bilingual Generalist) - B.S. (p. 377)	Teacher Education (p. 373)	Professional Education (p. 350)
Interdisciplinary Studies (EC-6 ESL Generalist) - B.S. (p. 378)	Teacher Education (p. 373)	Professional Education (p. 350)
Interdisciplinary Studies (EC-6 Generalist) - B.S. (p. 380)	Teacher Education (p. 373)	Professional Education (p. 350)
Interdisciplinary Studies (EC-6 Special Education Generalist) - B.S. (p. 381)	Teacher Education (p. 373)	Professional Education (p. 350)
Interdisciplinary Studies (4-8 Bilingual Generalist) - B.S. (p. 383)	Teacher Education (p. 373)	Professional Education (p. 350)
Interdisciplinary Studies (4-8 English, Language Arts and Reading) - B.S. (p. 384)	Teacher Education (p. 373)	Professional Education (p. 350)
Interdisciplinary Studies (4-8 ESL Generalist) - B.S. (p. 386)	Teacher Education (p. 373)	Professional Education (p. 350)
Interdisciplinary Studies (4-8 Generalist) - B.S. (p. 387)	Teacher Education (p. 373)	Professional Education (p. 350)
Interdisciplinary Studies (4-8 Generalist with Special Education) - B.S. (p. 388)	Teacher Education (p. 373)	Professional Education (p. 350)
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Business (General Business) - B.A.S. (p. 273)	Management (p. 267)	Management (p. 267)
Accounting - B.B.A. (p. 274)	Management (p. 267)	Management (p. 267)
Business Administration (General Business) - B.B.A. (p. 276)	Management (p. 267)	Management (p. 267)
Business Administration (General Business, Entrepreneurship Emphasis) - B.B.A. (p. 277)	Management (p. 267)	Management (p. 267)
Finance - B.B.A. (p. 278)	Management (p. 267)	Management (p. 267)
Human Resource Management - B.B.A. * (p. 279)	Management (p. 267)	Management (p. 267)
Management - B.B.A. * (p. 281)	Management (p. 267)	Management (p. 267)
Marketing - B.B.A. * (p. 282)	Management (p. 267)	Management (p. 267)

General Information

The University

Texas Woman's University was founded by the Texas legislature in 1901 as the Girls Industrial College. It has long served a unique role in Texas and beyond as an institution of higher education. When there were few Texas institutions that fully embraced women as students, TWU welcomed them with a liberal arts education and career preparation in an environment that fostered them as learners, scholars, citizens and leaders who could—and did—contribute to the vitality of their families, employment organizations, communities, state, and nation.

TWU has grown, prospered, and extended itself in bold ways: adding graduate and doctoral degrees; expanding into colleges spanning arts and sciences, health sciences, professional education, and nursing; extending its footprint beyond Denton with campuses in Dallas and Houston; admitting men first in 1972; and breaking new ground in areas ranging from pedagogy to theoretical and applied research.

Over the years, TWU developed four cornerstones of historical strength with its ethic of service, its focus on health and well-being, its learn-by-doing pedagogical approach, and its emphasis on women as an aspect of the growing diversity of our communities. At the interconnection of these cornerstones lay TWU's focus on educating the whole person, with education extending beyond the classroom into learning that prepared students not just for jobs but for careers, leadership, service, health, and happiness.

TWU embraces its historical commitment to education for women with an aspiration to build with all students, faculty, staff, and alumni, an inclusive world which empowers the advancements and celebrates the achievements of all individuals, of all genders, races/ethnicities, sexual orientations, abilities, ages, and national origins. Because of its roots in providing an education for students who were marginalized because of their gender, TWU extends that mission today by reaching out and offering education to individuals in diverse populations who show academic qualities but are typically excluded from higher education.

Though inclusive of all, TWU extols the woman's perspective and the unique contributions that women can bring to families, boardrooms, classrooms, intensive care units, political arenas, research laboratories, and creative endeavors.

Mission Statement

Texas Woman's University builds on its long tradition as a public institution primarily for women by educating a diverse community of students to lead personally and professionally fulfilling lives. TWU prepares women and men for leadership and service through high quality undergraduate, graduate and professional programs on campus and at a distance. A TWU education ignites potential, purpose and a pioneering spirit.

Organization

The University houses the College of Arts and Sciences (http://www.twu.edu/arts-sciences), the College of Professional Education (http://www.twu.edu/college-professional-education), and the Institute of Health Sciences which includes the College of Health Sciences (http://www.twu.edu/college-health-sciences) and the College of Nursing (http://www.twu.edu/nursing). The Graduate School (http://www.twu.edu/gradschool/default.asp) administers graduate programs in each of these colleges.

Since its establishment in 1901, the University has become a major university with Institute of Health Sciences centers in Dallas (http://www.twu.edu/dallas) and Houston (http://www.twu.edu/houston), served by approximately 1,000 faculty members and attended by over 15,100 students. The curriculum which led to the awarding of baccalaureate degrees for the first time in 1915 now accommodates studies which lead to master's and doctoral degrees in each of the colleges of the University.

The Board of Regents

The Texas Woman's University Board of Regents is composed of nine persons, at least four of whom shall be women, appointed by the governor with the advice and consent of the Senate. The governor also appoints a tenth non-voting student regent.

The regents hold office for staggered terms of six years, with the terms of three members expiring February 1 of odd-numbered years. The student regent serves a term of one year. The Board meets quarterly. The Board biennially elects a chair/presiding officer and a vice-chair/assistant presiding officer.

Accreditation and Approval

Texas Woman's University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (http://sacscoc.org) to award baccalaureate, master's, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Texas Woman's University.

Selected academic programs are also accredited by appropriate state, regional, and national agencies. The Graduate School is a member of the Council of Graduate Schools. TWU's general accreditation (http://www.twu.edu/administration/accreditation.asp), recognizing the quality of all of the work done by the components of the University, forms the basis for numerous memberships which the University holds in selective associations and societies which recognize and demand high standards in specific fields. Individual programs at Texas Woman's University are accredited by the following organizations (partial listing):

Arts & Sciences

- Accreditation Council for Business Schools and Programs
- American Chemistry Society
- American Psychological Association
- Council on Social Work Education
- National Association of School Psychologists
- National Association of Schools of Dance
- National Association of Schools of Music

Health Sciences

- Accreditation Council for Education in Nutrition and Dietetics
- Accreditation Council for Occupational Therapy Education
- American Association for Health Education
- American Speech-Language-Hearing Association

- Commission on Accreditation of Healthcare Management Education
- Commission on Accreditation in Physical Therapy Education
- Commission on Dental Accreditation
- Council on Academic Accreditation
- Society of Public Health Educators

Nursing

- Board of Nurse Examiners for the State of Texas
- Commission on Collegiate Nursing Education

Professional Education

- American Library Association
- Council for Accreditation of Counseling and Related Educational Programs

A list of other accrediting organizations is available on the Institutional Research and Data Management website (http://www.twu.edu/institutional-research/accreditations-listing.asp).

Research and Sponsored Programs

The research mission of TWU is supported in multiple ways through the Office of Research and Sponsored Programs (http://www.twu.edu/research). Through research grants and contracts, as well as other sponsored programs such as training grants and community service projects, TWU provides new information for the benefit of our society, encourages faculty scholarship, and provides support and training for faculty and students. Services available to support research include proposal preparation and submission assistance; grant management for internal and external grants; coordination of internal grants and competitions; coordination of the Institutional Review Board, Institutional Animal Care and Use Committee, and Institutional Biosafety Committee; funding searches; statistical consultation; and scientific equipment repair.

External support for research and sponsored programs comes from various private, state, and federal funding sources. Federal funding is received from agencies such as the National Institutes of Health, Health Resources and Services Administration, Health and Human Services, Administration for Children and Families, Centers for Medicare and Medicaid Services, U.S. Institute of Peace, Veterans Affairs, National Science Foundation, U.S. Department of Education, and the U.S. Department of Agriculture. State agencies such as the State of Texas, Texas Higher Education Coordinating Board, Texas Education Agency, and Joint Admission Medical Program Council also provide funding for research and sponsored programs at the University.

Assistance and information about research and sponsored programs are available from the Office of Research and Sponsored Programs (http://www.twu.edu/research). Detailed information is also available through the department's pages on the University's homepage through the Research link.

Technology Resources

The Office of Technology provisions each TWU student with a username and password. With these login credentials, students can access:

- e-mail (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12030) with Google Apps for Education;
- secure information, tools, and resources in Pioneer Portal (https://portal.twu.edu/default.asp);
- the Blackboard Learn (https://twu.blackboard.com/webapps/portal/execute/tabs/tabAction?tab_tab_group_id=_1_1) (Bb) learning management system;
- Wi-Fi (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12101) and Kiosks (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12061) on each TWU campus;
- other apps in Google Apps for Education (https://apps.google.com/learning-center) such as Drive, Hangouts, and Sites;
- TWU scholarships (http://www.twu.edu/finaid/scholarships.asp);
- TWUConnect (http://www.twu.edu/pioneer-center/internships.asp) for internships, jobs, and more;
- course registration in WebAdvisor (https://webadvisor.twu.edu/WebAdvisor/WebAdvisor?TOKENIDX=8577019047&type=M&constituency=WBST&pid=CORE-WBST); and
- degree plan (https://portal.twu.edu/dars/default.asp) auditing. (not currently available to graduate students)

Highlights of Office of Technology Services:

- Wi-Fi (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12101) for connectivity of personal devices as well as access to computers through general use computer labs (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12061/#labs), classroom teaching computer labs, and department labs that directly support academic programs;
- Each student is eligible for certain technology discounts (https://twu.teamdynamix.com/TDClient/Requests/ServiceCatalog?CategoryID=3586) through our partnership with E-Academy OnTheHub (http://twu.onthehub.com).
- TWU technology is strategically located in common areas such as the Denton campus Student Union, student lounges, the Blagg-Huey Library, and residence halls;
- Computer kiosks (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12061) appear across TWU's campuses as an opportunity for students to login to a PC for quick information;
- TWU classrooms are also equipped with the latest instructional technology (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12015) providing optimal classroom learning experiences;
- Students have a wide selection of software resources available (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12061/#labs) to support their studies, including statistical analyses, word processing, and discipline-specific courseware;
- The High Performance Computing (HPC) (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12078)

system gives students access via faculty sponsorship to cluster computing sources for data-rich studies;

- The Office of Technology also offers employment opportunities for students on each TWU campus. Check out the Career Services site (http://www.twu.edu/career-services) for available jobs;
- The Student Technology Assistants and Resources (STAR) (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=5965) program employs technically capable students to help with troubleshooting peers' personal technology hardware & software issues. STAR is available on the Denton campus. Labor is free; students only pay for software and parts, if needed;
- Lynda.com (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=11623) is a web-based, on-demand training resource available to TWU students at no additional cost. With Lynda.com, students can learn about common applications (Blackboard, Word, Excel, SPSS), or learn soft skills (leadership, communication), or learn a new skill (photography, design, programming) at their own pace. Students can earn certificates of completion for Lynda courses that can be shared through LinkedIn;
- The Students Advisory Committee for Technology (StudentsACT) (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12071) represents the diverse student body of TWU and provides the opportunity for students to participate in the governance of technology at TWU.

Support for technology is available through the Technology Service Catalog (https://twu.teamdynamix.com/TDClient/Requests/ServiceCatalog?CategoryID=4077). To inquire about any of the technology services at TWU, students may call the Technology (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12169) Service Desk (https://twu.teamdynamix.com/TDClient/Requests/ServiceDet?ID=12169) at 940-898-3971, Live Chat (http://www.twu.edu/service-desk) with them, or email them at servicedesk@twu.edu.

Students are subject to the University's Computer & Software Acceptable Use Policy (9.01 (http://www.twu.edu/policy/PolicyDocs/Policy%209.01%20Computer%20and%20Software%20Acceptable%20Use.pdf)).

University E-mails to Students

TWU students enrolled for credit or non-credit classes are assigned a TWU e-mail address for receiving announcements, correspondence, and other important messages (including payment deadlines and financial aid information). Messages delivered to the TWU e-mail address will be considered officially delivered.

Distance Education

Texas Woman's University offers multiple degrees, programs, and courses online through Distance Education (DE). These electronically-delivered courses and programs provide quality instruction and encourage high levels of interaction.

The Distance Education degree programs (http://www.twu.edu/TLT/online-degrees.asp) are listed online at the Teaching and Learning with Technology website (http://www.twu.edu/TLT). Additional online courses outside of these degree programs may be found in the Class Schedule by selecting "Internet Instruction" or "Hybrid Instruction" in the Instructional Methods box.

Online courses are delivered through Blackboard or Canvas, Internet-based software platforms. Distance Education courses cost exactly the same as on-campus classes. Bills may vary from semester to semester and from other students depending on residency status and academic level.

International students who hold F-1 and J-1 visa status cannot enroll in academic programs that are defined as 100% distance education (online degrees). An international student may be admitted to the University for such programs but is only authorized to complete those from her/his own country and not in the United States. Please note: F-1 and J-1 student visa holders have restrictions regarding the number of online (or distance education) credits that can be taken during the semester as it relates to fulfilling the full-time enrollment requirement. Please contact the Office of International Education (http://www.twu.edu/international-education) for more information.

Please note: Students in online courses need daily access to a computer with internet connections that meet TWU minimum hardware and software requirements (http://www.twu.edu/TLT/computer-requirements.asp). Students should also have a back-up plan for accessing a second computer should any technical problem arise.

Students who are new to Distance Education may view a detailed introduction to Distance Education in the Guide for Online Courses (GOC) (http://www.twu.edu/guide-for-online-courses), as well as on the My Courses webpage (http://online.twu.edu). The GOC will give new DE students an idea of what an online class is like, how to find and log into their online courses, resources that are available to them, and keys to success.

Authorization for Students Learning in Other States

In order for TWU to offer educational activities to students physically located in other states (including, but not limited to, online courses and internships) the University must obtain permission from the higher education departments of those states. Not all activities are allowed in all states. To learn more about the activities that TWU may offer in your home state, please visit the State Authorization website (http://%20twu.edu/TLT/state-authorization.asp.html).

The TWU Libraries

The TWU Libraries (http://www.twu.edu/library) provide information services, education, and resources for teaching, learning, and research in a global environment to support faculty and prepare students for success in their professional and personal lives. Library staff teaches research skills and offer library instruction in the classroom, in the Libraries and over the web.

The Blagg-Huey Library on the Denton campus offers students a modern facility for accessing both print and electronic information in an environment that provides comfort and inspirational beauty. Satellite collections are available at the TWU T. Boone Pickens Institute of Health Sciences – Dallas Center (the major nursing collection in the Dallas-Fort Worth area). Houston students use the resources of the outstanding collection in the Houston Academy of Medicine-Texas Medical Center Library and the Academic Resource Center on the TWU Houston campus.

TWU Libraries' collections have 544,159 print volumes, 274,177 e-books, 34,844 microform titles, and 6,575 media materials; and

the Libraries provide access to 39,150 print journals and 134,317 electronic journals, as well as 223 databases. Online access to full-text journals and books is provided from the library to dorms, campus computer labs, or where there is internet access. Special collections include the Woman's Collection, the largest repository in the Southwest of research material about women; the Cookbook Collection; University Archives; and the Children's Collection, which houses the Children's Historical Collection of some 3,000 volumes including rare, early-day children's books. Original book art from prominent children's book illustrators decorates the Children's Collection. Researchers from around the world visit the Woman's Collection to study the Women Airforce Service Pilots of World War II (WASP); the Oral History Project; the various archives of Texas women's organizations including the Texas Federation of Women's Clubs, the Texas Federation of Business and Professional Women's Clubs, and the historic federation of clubs founded by African American women in Texas, the Texas Association of Women's Clubs. Books and manuscripts document the history of women in aviation, war, and military service. Materials in all formats provide rich sources regarding the struggle of women to obtain the rights of suffrage, equal legal rights, and other feminist goals.

In addition to the multiple resources of the TWU Libraries (http://www.twu.edu/library), students and faculty may use the libraries of more than 125 participants in Texshare, and interlibrary loan access to the collections of over 16,000 national and international members of OCLC in more than 100 countries.

Campus and Centers

The Denton Campus

The main campus of Texas Woman's University is located in Denton, TX, a growing community of more than 113,000 residents located 38 miles north of Dallas and Fort Worth, the nation's fourth-largest metro center.

The University's high-rise residence halls and academic and administrative buildings dominate Denton's skyline. Blended with these structures are historic buildings, including Old Main (http://www.twu.edu/conference-services/14589.asp) (the University's first building) and the Little Chapel-in-the-Woods (http://www.twu.edu/conference-services/little-chapel.asp).

Known for its beauty and private college feel, the Denton campus features the Blagg-Huey Library, which is home to the nationally renowned TWU Woman's Collection (http://www.twu.edu/library/womans-collection.asp) – the best concentration of resources on U.S. women in the Southwest. Wireless access is available across campus. The university also has several computer labs – including the MEGALAB – that offer the most up-to-date technology for students. TWU's classroom technology improves the learning experience and simulates real-world conditions, ensuring student success in the classroom and the workplace. The Ann Stuart Science Complex (http://www.twu.edu/conference-services/ann-stuart-science-complex.asp) includes the latest instructional technology and lab equipment for teaching and research in biology, chemistry and biochemistry. The TWU Fitness and Recreation Center (http://www.twu.edu/fitandrec/13456.asp) features a 30-foot indoor climbing wall with a 22-foot vertical rappelling station. The Redbud Theater is a 120-seat proscenium venue that showcases a variety of drama performances each year.

The Dallas Center

The TWU T. Boone Pickens Institute of Health Sciences (http://www.twu.edu/dallas) – Dallas Center opened in February 2011, combining the university's Parkland and Presbyterian sites in an eight-story 190,000-square-foot building in the heart of the Southwestern Medical District.

The Dallas Center, established in 1966, now bears the name of Texas oilman and entrepreneur T. Boone Pickens, who donated $5 million to the new building's fundraising campaign. The center houses the Houston J. and Florence A. Doswell College of Nursing, the TWU Stroke Center-Dallas and the university's physical therapy, occupational therapy and health systems management programs. Facilities include simulation laboratories and research laboratories, computer labs and classrooms, and One-Stop Student Services.

The Houston Center

TWU's Institute of Health Sciences – Houston Center (http://www.twu.edu/houston), established in 1960, is located at the southern gateway of the Texas Medical Center, a world-renowned 675-acre complex of hospitals, health-related schools, and research institutions. The Nelda C. Stark College of Nursing (http://www.twu.edu/nursing/houston-center.asp) offers clinical and educational opportunities for students in nursing. Other programs offered at the Institute of Health Sciences–Houston Center include occupational therapy, physical therapy, health care administration and nutrition and food sciences. Facilities at the center include research laboratories, anatomy and nursing laboratories, a counseling center, a learning resource center and computer services.

Texas Woman's University is a full participant in support and use of the Houston Academy of Medicine-Texas Medical Center Library.

The Office of Alumni Relations

The TWU Office of Alumni Relations (http://www.twu.edu/alumni/default.asp) serves as the central coordination point for alumni activities held on all campuses of Texas Woman's University. The Office facilitates coordination of alumni activities, plans communication with all TWU alumni, and offers a variety of ways for TWU alumni to be involved in the life of the University.

For further information please contact:

The Office of Alumni Relations (http://www.twu.edu/alumni)
Anne Scott, Director
Chris Styers, Sr. Secretary
P.O. Box 425725
Denton, TX 76204-5725
940-898-2586

The TWU Alumni Association

The TWU Alumni Association (http://www.twu.edu/alumni) was organized in 1905 by the first alumnae of the College of Industrial Arts (CIA). Its mission was, and still is, to support the university, its students and alumni. The Association is a non-profit organization.

Among other services, the TWU Alumni Association organizes the annual Reunion Weekend events in April to honor and reconnect alumni. In addition, the Association offers numerous scholarships to current students, supports alumni chapters and groups and

provides communications to keep alumni informed of university happenings. Call 940-898 -2586 (940-TWU-ALUM) or email alumnirelations@twu.edu for more information.

TWU Foundation

The Texas Woman's University Foundation is a non-profit corporation chartered under the laws of Texas and established in 1952. Its purpose is to receive and administer gifts to enhance educational excellence at the University. The Foundation Board seeks to identify potential sources of private gifts, to enable donors to make appropriate contributions that match their interests and needs, to provide for the prudent management of gift resources, and to encourage the involvement of interested persons in the work of the foundation.

A person interested in making a gift to the TWU Foundation may write or call:

TWU Foundation (http://www.twu.edu/foundation)
P.O. Box 425618
Denton, TX 76204-5618
Telephone: 940-898-3872

University Advancement

All students, former students, and friends of TWU are encouraged to give to the university. Donations, administered through the TWU Foundation, help meet the University's greatest needs and opportunities. These include academic and other enrichment programs, equipment for classrooms and laboratories, student scholarships, library resources, faculty recruitment and retention, and achievement and recognition awards.

Information about university development programs and specific giving opportunities is available from:

Texas Woman's University
Office of University Advancement (http://www.twu.edu/advancement)
P.O. Box 425618
Denton, Texas 76204-5618
940-898-3863

Admission Information

Admission to Texas Woman's University is based on a number of criteria including academic achievement, academic preparation and standardized test scores. An offer of admission from TWU is valid for one academic year (fall to summer, spring to fall, or summer to spring), if the applicant has not attended another institution of higher education. If students do not attend TWU within 12 months, they must reapply, pay the application fee, and submit the appropriate credentials. Students wishing to change their application term should contact the Office of Admissions Processing (http://www.twu.edu/admissions-processing) or complete the Application Change (http://www.twu.edu/admissions-processing/sr-forms.asp) form. Please refer to the admission categories at the left for specific admission requirements.

Contact Information

Office of Admissions (http://www.twu.edu/admissions)
Texas Woman's University
P.O. Box 425589
Denton, TX 76204-5589
e-mail: admissions@twu.edu
phone: 940-TWU-3188 or 1-866-809-6130; ext. 3188

Office of Admissions Processing (http://www.twu.edu/admissions-processing)
Texas Woman's University
P. O. Box 425649
Denton, TX 76204-5649
e-mail: oap@twu.edu
phone: 940-TWU-3076 or 1-866-809-6130; ext. 3076

TWU Office of International Education (http://www.twu.edu/international-education)
P. O. Box 425649
Denton, TX 76204-5649
e-mail: oap@twu.edu
phone: 940-TWU-3076 or 1-866-809-6130; ext 3076

TWU defines a **domestic applicant** as an applicant who holds one of the following:

1. An American citizenship, permanent resident card, or naturalization document, or
2. INS form Notice of Action I-797 stating that permanent residency application is approved, or
3. Permanent resident endorsement on passport.

These applicants should complete a domestic (freshman, transfer, graduate, readmit, or transient) application via ApplyTexas (http://www.ApplyTexas.org).

For admission purposes, Texas Woman's University defines an **international applicant** as a foreign national who is or will be studying at a U.S. institution on a non-immigrant visa. These applicants must complete the ApplyTexas (http://www.ApplyTexas.org) international application. This includes students who hold a non-immigrant visa/status and attend high school in the U.S.

International students admitted to Texas Woman's University usually do so in an F-1 visa status. It is, however, possible to enter the U.S. on other non-immigrant visas. For questions regarding immigration status, please contact the Office of International Education (http://www.twu.edu/international-education) at intloffice@twu.edu or 940-898-3338.

Application Process

Application Credentials

All new undergraduate students seeking admission to TWU must submit the following credentials.

1. Completed application, (ApplyTexas (https://www.applytexas.org/adappc/gen/c_start.WBX))
2. Application fee
3. Official transcript(s) from each previous institution attended
4. Standardized test scores, if required (i.e. SAT, ACT)
5. Copy of resident alien card, if applicable (permanent residents)
6. TOEFL or TOEFL exemption form (http://www.twu.edu/admissions/international/toefl-requirements-and-exemptions) (permanent residents and international applicants)
7. International applicants should refer to the International Student Admission (http://www.twu.edu/admissions/international) section for additional requirements.

Please see further details about credential requirements below.

Application

Texas Woman's University accepts only the ApplyTexas (https://www.applytexas.org/adappc/gen/c_start.WBX) application. The ApplyTexas (https://www.applytexas.org/adappc/gen/c_start.WBX) application must be submitted on-line to the TWU Office of Admissions Processin (http://www.twu.edu/admissions-processing/default.asp)g.

Application Fee

Application for undergraduate admissions requires an application fee of $50.00. The application fee for international students is $75.00. This is a non-refundable fee and applies to all applicants, including new and returning students. Payment may be made by MasterCard, Discover, AMEX, or VISA when paying online via ApplyTexas; credit cards will not be accepted once the application has been submitted. Payment made after submission of the application will delay processing time and must be made via certified check or money order payable to TWU, including the applicant's full name, date of birth, and the ApplyTexas application ID number. Cash payments must be made in person at the Bursar's Office (http://www.twu.edu/bursar). Application fee waivers are only granted to freshman applicants submitting the official SAT or ACT fee waiver form.

Official Transcripts

TWU requires an official transcript of coursework from each institution previously attended. Official transcripts must be sent to TWU directly from the institution or delivered personally in a sealed envelope from the institution.

The printed transcript must bear an official seal and/or signature.

An official electronic transcript may be sent through a third-party, secured electronic system directly to TWU from the sending institution. Transcripts sent electronically may be emailed to OAP@twu.edu .

Transcripts emailed or faxed directly from the student will be considered unofficial. Any sign of tampering with the transcript information will render it unofficial and invalid. Submitted domestic transcripts are the property of TWU and will not be returned to the applicant.

Failure to Disclose

All students applying to Texas Woman's University are required to disclose academic information fully and honestly as stipulated on the ApplyTexas Application for Admission. Any applicant who provides false or incomplete information for proper determination of admission and residency is subject to any of the following penalties:

1. Denial of admission to the University.
2. Withdrawal from all classes with no refund.
3. Dismissal from the institution.
4. Loss of credit earned while under incorrect admission or residency status.

Written appeal (https://apps.twu.edu/admissionsprocessing/admissionappeal.aspx) may be submitted to:

Office of Admissions Processing

P. O. Box 425649

Denton, TX 76204

Standardized Test Scores

Standardized test scores include the SAT (Scholastic Aptitude Test) or ACT (American College Test). Please refer to specific admissions categories for test score requirements. Test scores may be submitted to TWU directly from the test agency, recorded on an official high school transcript, or by an official student test score report submitted to the Office of Admissions (http://www.twu.edu/admissions) or the Office of Admissions Processing (http://www.twu.edu/admissions-processing).

NOTE: Although the Texas Success Initiative Assessment (TSIA) (p. 46) or appropriate exemptions are not required for admission, official test scores or proof of exemption/completion are required prior to enrollment in any collegiate level coursework for credit. Official scores should be submitted to the Office of Admissions Processing (http://www.twu.edu/admissions-processing).

University Admission Application Deadlines

Students should observe the following priority deadlines to ensure adequate application processing time and notification of the admission decision prior to the beginning of classes.

Priority deadlines are March 1 for fall, November 1 for spring, and one month prior to the first day of summer session. A final application deadline of ten days prior to the first day of each term is practiced to allow an accepted student the necessary time needed to enroll.

International students are advised to apply six months prior to the semester of entry.

Dates of the first day of class for each semester appear in the Academic Calendar (http://www.twu.edu/registrar/academic-calendars.asp).

NOTE: Admission to the University does not automatically guarantee admission to a particular college, school, or program.

College, School, or Program Admission and Deadlines

Students must be admitted to the University prior to applying to a specific college, school, or program major within TWU. For admission to a school, college, or program within the University, the student must satisfy all of the following and be accepted by the college or school:

1. Requirements of the University,
2. Requirements of the particular college or school,
3. Requirements of the program or major.

Applicants are urged to contact the specific college or school for their admissions information. Students may reference the applicable section of the catalog or the TWU website for additional deadline information.

Nursing (http://www.twu.edu/nursing/programs.asp)

Dental Hygiene (http://catalog.twu.edu/undergraduate/health-sciences/dental-hygiene/dental-hygiene-bsdh-professional-entry-level-program)

Psychology (http://www.twu.edu/psychology-philosophy/undergrad-psychology.asp)

Freshman Student Admission

Students who will graduate or have already graduated from high school, who will complete or have completed a home schooling program, who hold a GED certificate of completion, or who have attempted fewer than 12 semester credit hours of college-level course work after high school graduation are considered freshman applicants. Students who have earned college semester credit hours while in high school are considered freshman applicants with college credit. High school seniors accepted as a freshman before graduation must submit a final transcript verifying graduation prior to enrolling in TWU coursework. TWU follows state law TEC 51.803-51.809, Uniform Admissions Standards (UAS) which requires all students meet one of the established college readiness standards in order to be eligible for consideration for admission at Texas Four-Year Public Institution.

Freshmen may be admitted under one of the following three categories: Assured Admission, Regular Admission, or Individual Review.

Assured Freshman Admission

Freshman applicants who meet both criteria below will be approved automatically for admission to Texas Woman's University:

1. Graduation from a regionally-accredited high school in Texas within the last two years and
2. Class ranking in the top 25 percent of their high school graduating class.

Class rank will be based on the end of the 11th grade, middle of the 12th grade, or at high school graduation, whichever is most recent when the application is reviewed.

NOTE: Although in the above instance, admission to TWU is assured, ACT or SAT test scores are still required to ensure proper advising and course placement, and for new freshman applying for scholarships.

Regular Freshman Admission

Freshman applicants who do not meet the requirements for Assured Admission will be considered for regular admission if they meet all of the following criteria:

1. Graduated from a regionally-accredited high school, a home-school program, or hold a GED certificate of completion, and
2. Attained at least a 2.0 high school grade point average on a 4.0 scale, and
3. Have class ranking in the top 50 percent of their high school graduating class, and
4. Scored 1000 or above (critical reading and math combined) on the Scholastic Assessment Test (SAT) prior to March 2016, OR scored 1080 or above (Evidence Based Reading and Writing and Math combined) on the Scholastic Assessment Test (SAT), OR scored a 21 composite score or above on the ACT Assessment, and
5. Meet one of the curriculum requirements below:
   a. Completed or enrolled in the Foundation, Recommended or Distinguished Texas High School Curriculum*, or an International Baccalaureate Program,
   OR
   b. If attending a private Texas high school or an out-of-state high school, completed or enrolled in a college-prep curriculum as outlined below:
   English (4 semester credit hours)
   Math (3 semester credit hours, including Algebra II)
   Science (3 semester credit hours)
   Social Studies (3 semester credit hours)
   Academic Electives (3 semester credit hours)
6. Students who are home-schooled or graduating from an unaccredited high school must meet the minimum required SAT or ACT score as specified for Regular Freshman Admission.
7. Applicants to TWU must complete at least the Texas Foundation or Recommended High School Program (RHSP) to be eligible for admission consideration to a Texas public institution. Applicants who are home-schooled, or are graduating from a high school that does not utilize the Texas Foundation or RHSP, or an out-of-state high school, must complete and submit the Uniform Admissions Policy form (http://www.twu.edu/admissions-processing/sr-forms.asp) as documentation of their high school program before being evaluated for admission.

**Changes to the Foundation, Recommended and/or Distinguished Curriculum adopted by the state will be followed by TWU*.

Individual Review for Freshman Admission

Freshman applicants who do not meet all of the Assured Admission or Regular Admission requirements require further review. Applicants are reviewed by the Office of Admissions Processing and the Admissions Review Committee to determine if an offer of admission will be made. Additional credentials or materials may be requested from applicants being considered for admission.

Adult/Non-Traditional Student Admission

An applicant may apply under adult student status if all of the following conditions are met.
The applicant must:

1. Have a high school diploma or GED, and
2. Have been out of high school for five years or more, or completed GED requirements at least five years ago. If the high school diploma or the GED was obtained less than five years ago, the applicant should apply as a traditional first time freshman.
3. Have not previously attempted more than 12 or more transferable semester credit hours of college-level credit. This does not include: developmental, vocational or technical credit.

Applicants must submit an application, application fee, and official high school transcript or GED. The SAT or ACT test score is not required of eligible adult/non-traditional applicants. An approved TSI test is required prior to enrollment in coursework.

If an applicant has completed GED requirements, the completion date of the GED serves as the applicant's high school graduation date. If the GED was obtained at least five years ago, SAT or ACT test scores are not required. However, if the GED was obtained less than five years ago, the applicant will be reviewed under provisional freshman admission criteria, which requires the submission of an SAT or ACT test score.

Transfer Student Admission

Students who have attempted 12 or more transferable semester credit hours of college-level credit at another college or university but who have not received a bachelor's degree are considered transfer students. These 12 hours of transferable semester credit will not include developmental, vocational or technical coursework. Students earning college-level credit hours while in high school are considered freshman; once 12 or more additional transferable credit hours are accumulated after high school graduation a student would apply as a transfer. Transient students are those who take courses at TWU for transfer to another institution and are therefore non-degree applicants. Transfer students may be admitted under one of the two following categories: Assured Admission or Regular Admission.

Students applying to TWU are expected to disclose academic information fully and honestly as stipulated on the ApplyTexas (http://www.ApplyTexas.org) application for admission. Failure to disclose (p. 18) all colleges and/or universities attended will subject the student to disciplinary action and possible dismissal. Students on academic suspension will not be admitted to Texas Woman's University until the suspension period has lapsed.

Students who are not eligible to return to their previous institution(s) are not admissible to TWU.

Assured Transfer Admission

Transfer applicants who meet the criteria below will be automatically admitted to TWU. Transfer students will be granted assured admission if they:

1. Have earned an Associate of Arts or an Associate of Science degree from a regionally-accredited college in the State of Texas; and
2. Have a cumulative GPA of at least 2.0 on a 4.0 scale on all transferable college level coursework attempted,* (All grades, including Fs, will be considered for calculation of GPA to determine admission to TWU); and
3. Are in good standing at the previous institution(s).

NOTE: Students who have earned an Associate of Applied Science degree or the equivalent are not automatically admissible, but may be admitted according to regular transfer admission criteria.

Regular Transfer Admission

Transfer students will be granted regular admission if they meet all the following requirements:

1. Have attended a recognized-accredited academic institution,
2. Have a cumulative GPA of at least 2.0 on a 4.0 scale on all transferable college-level coursework attempted, (All grades, including Fs, will be considered for calculation of GPA to determine admission to TWU.), and
3. Are in good standing at their previous institution.

Students may transfer credit hours from junior or community colleges. All such credit is usually accepted as lower-level semester credit hours unless otherwise indicated in TWU Course Equivalencies. There is no maximum number of semester credit hours transferred from four-year institutions, and these semester credit hours will be accepted at the level taken. Please reference the Academic Information, Transfer of Semester Credit Hours (p. 49) for more information about transferring courses to TWU.

NOTES:

1. Several departments have higher grade point requirements which students must satisfy before they are permitted to advance to upper-level course work. Students should check admission requirements of individual programs.

2. Regional accreditation standards (Southern Association of Colleges and Schools Commission on Colleges – SACSCOC), require a minimum 25% of academic credit applicable to a degree must be completed at TWU.

International Student Admission

For admission purposes, Texas Woman's University defines an "international applicant" as a foreign national who is or will be studying at a U.S. institution on a non-immigrant visa. These applicants must complete the international application. This includes applicants who hold a non-immigrant visa/status and attend high school in the U.S.

International students admitted to Texas Woman's University usually do so in a F-1 visa status. It is, however, possible to enter the U.S. on other non-immigrant visas. For questions regarding immigration status, please contact the Office of International Education (http://www.twu.edu/international-education/getting-accepted.asp).

International Application Credentials

International applicants should submit all of the following to:

TWU Office of Admissions Processing
P. O. Box 425649
Denton, TX 76204-5649

1. A completed International Undergraduate Application for Admission. The application can be found at ApplyTexas (https://www.applytexas.org/adappc/gen/c_start.WBX).
2. A $75 international application fee. This non-refundable fee must be paid by check, money order, or credit card in American currency. Checks and money orders should be made payable to TWU and drawn on a U.S. Bank. Checks and money orders must include the applicants full name, application ID number, and date of birth. Acceptable credit cards include MasterCard, Discover, AMEX or Visa. Cash payments may only be made in person at the Bursar's Office.
3. Official copies of all transcripts/mark sheets of previous college or university course work, or secondary school semester credit hours, diplomas, certificates, and/or national examination scores as given in student's country. Please see below for specific requirements. Unofficial copies are not acceptable.
4. Transcripts from foreign institutions may be returned to the applicant if a written request is submitted with the documents. Applicant is responsible for the cost of return delivery.
5. TOEFL (iBT) test score of 79 or higher, IELTS overall band score of 6.5 or higher, or TOEFL Exemption form (http://www.twu.edu/admissions/international/toefl-requirements-and-exemptions).

Criteria for Undergraduate International Students Admission

Undergraduate applicants may be admitted if the following criteria are met:

1. All international first-year applicants must possess the equivalent of a U.S. high school diploma based upon a combined elementary and secondary pattern of 12 years with the equivalent of a 2.0 GPA based on a 4.0 grading scale ("C" average). First-year applicants who have the General Secondary Education Certificate, the West African School Certificate, or the Kenya Certificate of Education must present a minimum of 5 passes at grade "C" or higher. If an applicant has completed the GCE 'A' Levels, the applicant must submit official score reports. The table below presents minimum equivalents to a U.S. high school education. Transcripts or other academic records must be presented according to the following criteria:
   - Official transcripts or original mark sheets must bear the official seal and/or original signatures of school registrar from the issuing school. Photocopies or copies attested by non-school authorities will not be accepted.
   - Certificates issued by regional or national examining boards (GCE, GCSE, SSC, HSSC, WASC, WAEC, KCSE, CXC, HKCE, School Leaving or other appropriate matriculation certificates) must be official certificates.
   - Official English translations must accompany official transcripts not prepared in English.

- When an original document or certificate cannot be duplicated according to the secondary school, university or examining board policy applicants are encouraged to provide attested copies of any academic credential that can not be replaced. Attestations must be made by the examining board/officer or designated school officials of the school attended. Copies attested by notary officials, translators, or other government posts are not acceptable substitutes.

2. International transfer applicants seeking admission to TWU must submit official transcripts/mark sheets from all colleges/universities attended in the U.S. and abroad. Transfer applicants with fewer than 12 semester credit hours of college level work must also submit secondary school (high school) records. The minimum grade point average for admission to TWU is 2.0 on a 4.0 scale, a "C" average.
   - The Admissions Processing Office will transfer all eligible courses; the TWU academic advisor will determine how these courses will be applied to the TWU degree.
   - English courses completed at institutions outside of the U.S. are not transferable to TWU. Consideration may be given after consultation with an academic advisor and approval has been determined by the Office of Undergraduate Studies.

3. All international students (first-year, transfer, post baccalaureate) must present an acceptable Test of English as a Foreign Language (TOEFL) score of 79 or higher on the internet-based test, or a 6.5 overall band score on the International English Language Testing System (IELTS) test.
   - The following exceptions apply to the TOEFL requirements for undergraduate applicants:

   a. Applicants who have earned a diploma from an accredited U.S. high school or a baccalaureate degree or higher from an accredited U.S. college or university.
   b. Applicants who have completed at least ENG 1013 or ENG 1023 (Freshman Composition) with a grade of "C" or higher from an accredited U.S. college or university.
   c. Applicants who have successfully completed Texas International Education Consortium (TIEC's) advanced-level program.
   d. Applicants who have completed the Intensive English Language Institute (IELI) program at the University of North Texas or the University of Houston.
   e. Applicants who are citizens of Anguilla, Antigua, Australia, The Bahamas, Barbados, Belize, Bermuda British Virgin Islands, Canada (except Quebec), Cayman Islands, Dominica, Grenada, Guyana, British Guyana, Ireland, Jamaica, Liberia, Montserrat, New Zealand, St. Kitts, and Nevis, St. Lucia, Sierra Leone, South Africa, St. Vincent, Trinidad and Tobago, Turks and Caicos Islands, United Kingdom (England, Northern Ireland, Scotland, Wales).
   f. Applicants who have the following test and scores:
      Tests Score
      APEIL 4 or Higher
      CAE B or Higher
      CPE C or Higher
      SAT II E 968 or Higher
      SAT Verbal 500 or Higher (prior to March 2016)
      SAT Evidence Based Reading and Writing 310 or Higher

      ACT Verbal 19 or Higher

      TAAS Reading Scaled score – TLI 4X-89
      TAAS Writing Scaled score 1770

Applicants applying for an F-1 student visa will be issued an I-20 (form required to obtain a visa) after the student has been admitted to TWU. F-1 students transferring from U.S. colleges or universities must submit a Transfer Clearance form (http://www.twu.edu/international-education/forms.asp) to the Office of International Education. (http://www.twu.edu/international-education/default.asp) Documents required for immigration (financial statement, passport, etc.) must be submitted and approved by the Office of International Education before an I-20 will be issued. For more information, refer to the Office of International Education (http://www.twu.edu/international-education/default.asp) website.

International Diploma Equivalencies

Country	Secondary Certificate or Diploma
Australia	Higher School Certificate, Senior Certificate, Senior Secondary Studies Certificate, Victorian Certificate of Education plus Statement of Results A and B, School Leaver Statement and Year 12 Certificate of Achievement
Bahrain	General Secondary Education Certificate (minimum of 5 "C" grades or higher)
Bangladesh	Intermediate Certificate or Higher Secondary Certificate
Canada	Manitoba High School Diploma, Ontario Secondary School Graduation Diploma, Honours Graduate Diploma, Secondary School Diploma, Quebec Senior High School Leaving Certificate Grade 12, Certificate of Graduation
Caribbean	General Certificate of Education "O" Level, Caribbean Examination Council (CXC) Secondary Examination Certificate
China	Senior Middle School Diploma
Colombia	Bachillerato
Egypt	General Secondary Education Certification
Ethiopia	Ethiopian School Leaving Certificate, Ethiopian Higher Education Entrance Exam
France	Diploma de Bachelier de l'Enseignment du Second Degre (Baccalaureat)
Germany	Reifezeugnis or Zeugnis der Reife (Abitur)
Ghana	West African School Certificate
Greece	Apolytirio Eniaiou Lykeiou (Upper Secondary School Certificate)
Guatemala	Bachiller, Certificado General de Estudios
Hong Kong	Hong Kong Certificate of Education
India	Higher Secondary Certificate (HSC), Higher Secondary School Certificate (HSSC), Senior Secondary Certificate, Pre-University Certificate, Pre-Degree Certificate
Indonesia	Surat Tanda Tanat Belajar (STTB) or Sekolah Menengah Unum Tingkat Atas (SMA)
Iran	Sixth Year Secondary Certificate
Italy	Diploma di Maturita
Ivory Coast	Diplome de Bachelier de '1Enseigneent du Second Degre
Japan	Upper Secondary School Leaving Certificate - academic or vocational (Kotogakko Sotsugyo Shomeisho)

Jordan	General Secondary Education Certificate
Kenya	Kenya Certificate of Education (KCSE)
Korea	Graduation Certificate from Secondary/Senior Middle School
Kuwait	General Secondary Education Certificate, 30 Admission Information
Latin America	Bachillerato or bachiller
Lebanon	Baccalaureate Part II (awarded until 1987), Baccalaureate Libanaise (Lebanese Baccalaureate) (awarded since 1990)
Malaysia	Malaysian Certificate of Education
Mexico	Certificado de Bachillerato (Baccalaureate Certificate), Certifiado de Bachillerato Tecnologico (Technological Baccalaureate Certificate), Titulo de Bachiller (Title of Baccalaureate), Certificado de Preparatoria. Awarded upon completion of 3 years of upper secondary.
Nigeria	West African School Certificate
Norway	Examen Artium Certificate
Pakistan	Intermediate or Higher Secondary Certificate
Peru	Certificado de Education Secudaria Comun Completa (plus 1-2 years curso Preparatario)
Philippines	High School Graduation Diploma (10 years), plus Associate Degree (2 years at university-level)
Russia	Certificate of Secondary Education (attestat zrelosti) (11 year minimum)
Saudi Arabia	General Secondary Education Certificate
Singapore	Singapore-Cambridge General Certificate of Education "A" Levels (GCE "O" Levels must also be submitted)
Spain	Titulo de Bachiller
Sri Lanka	Sri Lanka General Certificate of Education "A" Level
Sweden	Matriculation Certificate (Avgansbetyg)
Taiwan	Senior High School Diploma, or Junior Middle School Diploma with 5 year Junior College Diploma
Thailand	Certificate of Secondary Education (Matayom VI)
Turkey	Lise Diplomasi, {General Secondary School (Lycum Diploma)}
United Kingdom	General Certificate of Education "O" Levels, General Certificate of Secondary Education "O" Level
Venezuela	Bachillerato en Ciencias or en Humandidades
Vietnam	Bang Tot Nghiep Trung Hoc Pho Thong (Senior high school certificate)
Yugoslavia	Prior to 1980 - Matura. Since 1980 - Secondary School Leaving Diploma
Zimbabwe	Advanced and Ordinary level General Certificate of Education Examining Board Certificates

Other Types of Undergraduate Admission

High School Advantage Program (Dual Credit Enrollment)

The High School Advantage (http://www.twu.edu/dual-credit) program allows students to earn college semester credit hours while still in high school. Current eligible high school students may apply for dual credit enrollment in this program.

In order to apply, a student must submit:

1. High School Advantage permission form (http://www.twu.edu/dual-credit/application-instructions) signed by the student, a parent/guardian, and the high school principal or guidance counselor,
2. ApplyTexas (https://www.applytexas.org/adappc/gen/c_start.WBX) application.
3. Official high school transcript,
4. $50.00 application fee, and
5. Official documents demonstrating TSI (p. 46) college readiness standards.

These forms should be submitted to the Admissions Office (http://www.twu.edu/admissions).

Undocumented Immigrant Students – TEC 54.052 (formerly known as HB1403 – Senate Bill 1528)

Texas law allows certain students who are not U.S. citizens to qualify for Texas resident tuition rates at public universities. This law became effective with students applying for the fall 2001 semester. This statute is a tuition residency classification, not an admissions policy. Students applying under it will be evaluated under the regular freshman and transfer admissions criteria.

A special residency status may be granted if a student meets all of the following criteria:

1. Has graduated or will graduate from a Texas high school or received a GED certificate, and
2. Has resided in Texas during the three years prior to graduation or receiving a GED, and
3. Has resided or will have resided in Texas 12 months prior to the census date of the semester enrolled at a college/university, and
4. Will provide a notarized affidavit stating that the student will file an application to become a permanent resident as soon as possible.

Military Admission

Applicants with previous military experience will need to complete an undergraduate application. In order to be considered a transfer student, an applicant must have a combination of military credit and college credit that equals 12 or more hours with a 2.0 GPA or higher. Former military applicants who have not taken any college-level coursework should apply for freshman admission.

Students who withdraw from the university to perform active military service will need to reapply for admission however the application fee will be waived. To qualify for readmission the applicant must return to TWU within 90 days upon completion of active duty and submit a copy of the military orders calling the student to active duty.

Military Credit

Texas Woman’s University follows, with limitations, the recommendations of the American Council on Education (ACE) as published in the Guide to the Evaluation of Educational Experiences in the Armed Forces in granting credit for military service. The University follows HB 269 in awarding credit for military service. Eligible veterans

receive college credit for all the required physical education courses needed for their degree and not to exceed an additional 12 semester hours of elective coursework. To be eligible to receive credit for military service, veterans must have:

- Graduated from a public or private high school accredited by a generally recognized-accrediting organization or from a high school operated by the U.S. Department of Defense
- Completed a minimum of two years of service in the armed services (unless discharged because of a disability).
- Been honorably discharged from the U.S. armed forces.

Credit for military service is available to all entering undergraduates, those applying for transfer admission, freshman admission, or for readmission. *In deciding whether to claim this credit, students should review all policies concerning tuition rebate and excess credit hours.*

For consideration of credit for military service schools, the applicant may submit one or a combination of the following military records:

1. A certified original of the DD Form 295, or
2. A copy of the DD Form 214, or
3. Course completion certificates.
4. Army/ACE Registry Transcript System (http://www.acenet.edu/news-room/Pages/Transcripts-for-Military-Personnel.aspx) (AARTS)
5. Sailor/Marine ACE Registry Transcript System (SMARTS)
6. Joint Service Transcript (https://jst.doded.mil/smart/signIn.do) (JST)

Non-degree Admission

Applicants who are not seeking a bachelor's degree but who wish to take credit courses must submit an ApplyTexas (https://www.applytexas.org/adappc/gen/c_start.WBX) application, an application fee and an official transcript from the last institution attended. Applicants must be in good standing with their last institution attended, and have earned at least a 2.0 GPA on their last 12 transferrable hours attempted. Non-degree seeking students are not eligible for federal, state, or institutional financial assistance, other than emergency tuition loans. Non-degree students may earn no more than 30 credit hours at TWU before they will be required to reapply as a degree-seeking student.

Permanent Residents

Applicants who are permanent residents must submit a copy of their Permanent Resident card at the time that they apply for admission to TWU. Permanent residents are processed through the Office of Admissions Processing (http://www.twu.edu/admissions-processing). Applicants who have applied for permanent residency but have not yet received the INS form Notice of Action I-797 verifying approval will be considered international students and must meet all international requirements until a permanent resident card has been issued.

Post-Baccalaureate Students Seeking a Second Degree

Applicants who are seeking a second undergraduate degree must submit a completed ApplyTexas (https://www.applytexas.org/adappc/gen/c_start.WBX) application for transfer admission, official transcript(s) from each institution attended (including verification of the bachelor degree awarded), and the application fee. Admission to the University does not imply admission to a specific college, program, or major. Students should contact the specific academic department for admission information.

Readmission

Students who have attended TWU in the past as an undergraduate student may be eligible for undergraduate readmission. Readmission applicants are expected to meet the regular criteria for transfer admission. Additional requirements may apply if good academic standing was not maintained during prior TWU enrollment. Please refer to Academic Advising (http://www.twu.edu/aac/probation-and-suspension.asp) for more information.

Applicants accepted as freshmen who take 12 or more college-level semester credit hours at another institution prior to attending TWU, or former or admitted students who have not enrolled within one year, must submit an application for transfer admission at ApplyTexas (https://www.applytexas.org/adappc/gen/c_start.WBX), and an official transcript from each additional institution attended since his/her last enrollment at TWU, if applicable, and pay the application fee.

Applications for readmission should be completed and submitted via ApplyTexas (https://www.applytexas.org/adappc/gen/c_start.WBX) at least two weeks prior to registration to ensure adequate processing and notification. Individual TWU schools, colleges, or programs may have additional readmission requirements. Students should contact the specific academic departments for readmission information.

Student Orientation

To encourage a smooth transition to university life, participation in an orientation program is required for all new students who are transferring less than 12 semester credit hours (excluding dual credit) to TWU. The purpose of the orientation experience is to inform students of the academic expectations, social opportunities, and student services available to them and to remind them that they have the support and encouragement of the faculty, staff, and administration in making decisions that affect their education. The orientation program includes sessions for first-year students, transfer students, international students, and graduate students. Meetings with faculty and advisors in the academic departments and with Student Life professional staff are elements of the program. Academic advising and class registration are key components in the orientation program. New first-year students also participate in Pioneer Camp (http://www.twu.edu/pioneer-camp), the extended orientation program that occurs immediately prior to the fall semester. Pioneer Camp further assists students with their transition to college life and provides them with an opportunity to meet new friends and become involved in the university community. For more information, contact the Center for Student Development (http://www.twu.edu/student-development) at 940-898-3626, the orientation web site (http://www.twu.edu/orientation), or e-mail us at orientation@twu.edu.

Academic Fresh Start

Texas resident students may, at the time of their application for admission or readmission to Texas Woman's University, file for Academic Fresh Start (Texas Education Code 51.931) with the Office of Admissions Processing. A student will forfeit the use of all credits earned ten years or more prior to enrollment under the Academic

Fresh Start Policy. Courses taken prior to this time will not be used in the calculation of the student's admission grade point average. The student's transcript will be inscribed with the notation "Fresh Start", for all coursework discarded. All credit earned since that time will be included in the student's transcript. Applicants must provide all official college transcripts, including the coursework that will be discarded. Financial aid history or accumulated award limits, and excess hours policies still apply to coursework discarded for Academic Fresh Start.

Note:

- Fresh Start must be requested at the time of application to TWU.
- If previously accepted to TWU without applying for Fresh Start, it may be requested during readmission to the University if one calendar year has lapsed since last enrollment.
- Submit the Application for Academic Fresh Start (https://apps.twu.edu/admissionsprocessing/freshstart.aspx) to the Office of Admissions Processing.
- Students must demonstrate college readiness to enroll in courses subject to TSI standards (p. 46).
- Students who have earned a bachelor's degree are not eligible for Fresh Start at TWU.
- Fresh Start courses will not be applied toward new degrees, core curriculum requirements or course prerequisites.
- Once the Fresh Start provision is claimed, and the student has enrolled, the provision cannot be reversed.
- An applicant may use Fresh Start only once at TWU.
- Credit and GPA earned prior to the student's Fresh Start will not be used to evaluate admission to graduate or professional programs.

Admission Appeal Process

Any undergraduate applicant denied admission to Texas Woman's University may appeal the decision. An Undergraduate Admissions Appeal form (http://www.twu.edu/admissions-processing/sr-forms.asp) and additional academic information such as an updated transcript(s) or new test score(s), will need to be submitted to the Office of Admissions Processing (http://www.twu.edu/admissions-processing/default.asp). An applicant may appeal a decision of denial once per application. All undergraduate admission appeals are reviewed by the Office of Admissions Processing and/or the Vice President of Enrollment Services. A written response will be provided for each appeal.

Credit By Examination, AP, CLEP, IB

Students entering Texas Woman's University may be able to gain University semester credit hours for examinations. There are several types of examinations that may earn college semester credit hours with a minimum score requirement. They include:

1. The Advanced Placement Program (AP)
2. The College-Level Examination Program (CLEP)
3. The International Baccalaureate Program (IB)
4. Professional society tests in specific disciplines
5. Departmental examination and/or reviews

Semester credit hours will be placed on the student's permanent record upon admission to TWU, to facilitate advising. Semester credit hours received at another college or university for these tests will be accepted to TWU as transfer credits where applicable upon receipt of an official transcript. A student may not receive semester credit hours by examination for a TWU course in which she or he has enrolled. No more than 30 semester credit hours can be received as credit by examination (AP/CLEP/IB). Official score reports may be submitted to the Office of Admissions Processing (http://www.twu.edu/admissions-processing) directly from the test agency, recorded on an official high school transcript, or by an official student test score report submitted to the Office of Admissions or the Office of Admissions Processing. Please refer to the TWU AP, CLEP AND IB webpage (http://www.twu.edu/admissions/first-year-students/earn-credit-through-exams) for the most up to date information.

Satisfactory Scores Required to Earn College Semester Credit Hours

CLEP Subject Examinations

History and Social Sciences

CLEP Exam	Score	TWU Course Received	Credits
American Government	50	GOV 2013	3
History of the United States I	50	HIST 1013	3
History of the United States II	50	HIST 1023	3
Human Growth & Development	50	PSY 1603	3
Humanities	50	HUMA 1000	3
Introduction to Educational Psychology	50	PSY 1000	3
Introduction to Psychology	50	PSY 1013	3
Introduction to Sociology	50	SOCI 1013	3
Principles of Macroeconomics	50	ECO 1023	3
Principles of Microeconomics	50	ECO 1013	3
Social Science & History	50	SOCI 1000	3
Western Civilization I	50	HIST 1000	3

Composition & Literature

CLEP Exam	Score	TWU Course Received	Credits
College Composition	50	ENG 1013	3
American Literature	50	ENG 2043	3

Analyzing & Interpreting Literature	50	ENG 1000	3
English Literature	50	ENG 2013	3
	80	ENG 2013, ENG 2023	6

Science

CLEP Exam	Score	TWU Course Received	Credits
Biology	50	BIOL 1111, BIOL 1113, BIOL 1121, BIOL 1123	8
Chemistry	50	CHEM 1111, CHEM 1113, CHEM 1121, CHEM 1123	8
Natural Sciences	50	SCI 1114	4

Mathematics

CLEP Exam	Score	TWU Course Received	Credits
Calculus	50	MATH 2014	4
College Algebra	50	MATH 1303	3
College Mathematics	50	MATH 1013	3
Precalculus	50	MATH 1313	3

World Languages

CLEP Exam	Score	TWU Course Received	Credits
French I	44-58	FR 1013	3
French II	59-79	FR 1013, FR 1023	6
	80	FR 1013, FR 1023, FR 1000	9
German I	50-58	FL 1000	3
German II	59-79	FL 1000	6
	80	FL 1000	9
Spanish I	50-57	SPAN 1013	3
	58-65	SPAN 1013, SPAN 1023	6
Spanish II	66-73	SPAN 1013, SPAN 1023, SPAN 1033	9
	74-80	SPAN 1013, SPAN 1023, SPAN 1033, SPAN 1043	12

Business

CLEP Exam	Score	TWU Course Received	Credits
Financial Accounting	50	BUS 2043	3
Information Systems & Computer Applications	50	CSCI 1403	3
Introductory Business Law	50	BUS 1000	3
Principles of Marketing	50	BUS 1000	3
Principles of Management	50	BUS 1000	3

AP Scores Required to Earn College Semester Credit Hours

Arts

AP Exam	Score	TWU Course Received	Credits
Art History	3	ART 2713	3
Studio Art: 2-D Design	3	ART 1203	3
Studio Art: 3-D Design	3	ART 1213	3
Studio Art: Drawing	3	ART 1303	3

English

AP Exam	Score	TWU Course Received	Credits
English Language & Composition	3	ENG 1013	3
	5	ENG 1013, ENG 1023	6
English Literature & Composition	3	ENG 2143	3

History & Social Science

AP Exam	Score	TWU Course Received	Credits
Comparative Government & Politics	3	GOV 3723	3
European History	3	HIST 4513, HIST 4663	6
Human Geography	3	SOCI 3283	3
Macroeconomics	3	ECO 1023	3
Microeconomics	3	ECO 1013	3
Psychology	3	PSY 1013	3

United States Government & Politics	3	GOV 2013	3
United States History	3	HIST 1013, HIST 1023	6
World History	3	HIST 2013, HIST 2023	6

Mathematics & Computer Science

AP Exam	Score	TWU Course Received	Credits
Calculus AB	3	MATH 2014	4
Calculus BC	3	MATH 2014, MATH 2024	8
Computer Science A	3	CSCI 1421, CSCI 1423	4
Statistics	3	MATH 1703	3

Sciences

AP Exam	Score	TWU Course Received	Credits
Biology	3	BIOL 1111, BIOL 1113	4
Chemistry	3	CHEM 1111. CHEM 1113, CHEM 1121, CHEM 1123	8
Environmental Science	3	BIOL 1023	3
Physics C: Electricity & Magnetism	3	PHYS 2161, PHYS 2163	4
Physics C: Mechanics	3	PHYS 2151, PHYS 2153	4

World Languages & Culture

AP Exam	Score	TWU Course Received	Credits
Chinese Language & Culture	3	FL 1000	3
	4	FL 1000	6
	5	FL 1000	9
French Language & Culture	3	FR 1013	3
	4	FR 1013, FR 1023	6
	5	FR 1013, FR 1023, FR 1000	9
German Language & Culture	3	FL 1000	3
	4	FL 1000	6
	5	FL 1000	9
Italian Language & Culture	3	FL 1000	3
	4	FL 1000	6
	5	FL 1000	9
Japanese Language & Culture	3	FL 1000	3
	4	FL 1000	6
	5	FL 1000	9
Latin	3	FL 1000	3
	4	FL 1000	6
	5	FL 1000	9
Spanish Language	3	SPAN 1013	3
	4	SPAN 1013, SPAN 1023	6
	5	SPAN 1013, SPAN 1023, SPAN 1033	9

International Baccalaureate (IB) Equivalency Chart

Texas Woman's University recognizes the strength of the International Baccalaureate (IB) program and has approved the granting of course semester credit hours for a 4 or higher on the Standard and Higher Level (HL) exams. Any entering freshman who holds an IB diploma with a score of 4 or higher on all subject exams will be granted a minimum of 24 college semester credit hours. Students from high schools that offer IB courses, but not the diploma, may receive semester credit hours. The exam level and scores detailed below will determine the amount of course credit awarded.

IB Exam	Score	TWU Course Received	Credits	Meets Core
Biology (SL)	4 or higher	BIOL 1111, BIOL 1113	4	Yes
Biology (HL)	4 or higher	BIOL 1111, BIOL 1113, BIOL 1121, BIOL 1123	8	Yes
Business & Management	4,5,6,7	BUS 1000	3	
Chemistry (SL)	4 or higher	CHEM 1011, CHEM 1013	4	Yes
Chemistry (HL)	4 or higher	CHEM 1011, CHEM 1013, CHEM 1111, CHEM 1113, CHEM 1121, CHEM 1123	12	Yes
Computer Science	4 or higher	CSCI 1000	4	Yes
Economics (SL)	4,5,6,7	ECO 1023	3	Yes
Economics (HL)	4,5,6,7	ECO 1013, ECO 1023	6	Yes

English A: Language & Literature (SL)	4 or higher	ENG 1013	3	Yes
English A: Language & Literature (HL)	4 or higher	ENG 1013	3	Yes
Language A: Literature (SL)	4 or higher	ENG 1000	3	Yes
Language A: Literature (HL)	4 or higher	ENG 1000 can be subbed for LPC core area	6	Yes
Extended Essay	4 or higher on English A, and C or better on Extended Essay	ENG 1023	3	Yes
Environment Syst.	4 or higher	SCI 2113	3	Yes
Geography	4,5,6,7	SOCI 3273	3	
Greek, Classical	4 or higher	FL 1000	3	
History				Yes
Americas	4,5,6,7	HIST 1013, HIST 1023	6	Yes
Europe	4,5,6,7	HIST TITLE	6	
Africa	4,5,6,7	HIST TITLE	6	
E & SE Asia & Oceania	4,5,6,7	HIST TITLE	6	
S. Asia & Middle East	4,5,6,7	HIST TITLE	6	
Islamic History	4,5,6,7	HIST TITLE	6	
Information Technology in a Global Society	4 or higher	CSCI 1403	3	
Latin (SL)	4 or higher	FL 1000	3	
Latin (HL)	4 or higher	FL 1000	6	
Mathematics				
Mathematics (HL) w/ Further Mathematics	4,5,6,7	MATH 2014	4	Yes
Mathematical Methods	4,5,6,7	MATH 1313	3	Yes
Mathematical Studies	4,5,6,7	MATH 1013	3	Yes
Modern Languages				
Language A1 or A2 (SL)				
French	4,5,6,7	FR 1013	3	
German	4,5,6,7	FL TITLE	3	
Portuguese	4,5,6,7	FL TITLE	3	
Russian	4,5,6,7	FL TITLE	3	
Spanish	4,5,6,7	SPAN 1013	3	
Other Languages	4,5,6,7	FL TITLE	3	
Language A1 or A2 (HL)				
French	4,5,6,7	FR 1013, FR 1023	6	
German	4,5,6,7	FL TITLE	6	
Portuguese	4,5,6,7	FL TITLE	6	
Russian	4,5,6,7	FL TITLE	6	
Spanish	4,5,6,7	SPAN 1013, SPAN 1023	6	
Other Languages	4,5,6,7	FL TITLE	6	Yes
Language B (SL)				
French	4,5,6,7	FR 1013	3	
German	4,5,6,7	FL TITLE	3	
Portuguese	4,5,6,7	FL TITLE	3	
Russian	4,5,6,7	FL TITLE	3	
Spanish	4,5,6,7	SPAN 1013	3	
Other Languages	4,5,6,7	FL TITLE	3	
Language B (HL)				
French	4,5,6,7	FR 1013, FR 1023	6	
German	4,5,6,7	FL TITLE	6	
Portuguese	4,5,6,7	FL TITLE	6	
Russian	4,5,6,7	FL TITLE	6	
Spanish	4,5,6,7	SPAN 1013, SPAN 1023	6	
Other Languages	4,5,6,7	FL TITLE	6	
Language AB				
French	4,5,6,7	FR 1013	3	
German	4,5,6,7	FL TITLE	3	
Portuguese	4,5,6,7,	FL TITLE	3	
Russian	4,5,6,7	FL TITLE	3	
Spanish	4,5,6,7	SPAN 1013	3	
Other Languages	4,5,6,7	FL TITLE	3	
Music (SL/ HL)	4 or higher	MU 2713	3	Yes
Philosophy	4,5,6,7	PHIL 1023	3	Yes
Physics (SL)	4 or higher	PHYS 1131, PHYS 1133	4	Yes

Physics (HL)	4 or higher	PHYS 1131, PHYS 1133, PHYS 1141, PHYS 1143	8	Yes
Psychology	4,5,6,7	PSY 1013	3	Yes
Theatre Arts (SL/HL)	4 or higher	DRAM 2493	3	Yes
Visual Arts (SL/HL)	4 or higher	ART 2713	3	Yes

International Baccalaureate transcripts should be sent to:
Texas Woman's University
Office of Admissions Processing
P.O. Box 425649
Denton, TX 76204-5649

Health and Safety Requirements

Meningitis Policy

Effective January 1, 2012, Texas law requires that all new, entering, and transfer college students age 21 and younger must receive a vaccination or booster against bacterial meningitis. An entering student also includes a student who has had a break of enrollment of one or more fall or spring semesters. For more information, please visit the Meningitis Vaccination Requirement website (http://www.twu.edu/student-health-services/bacterial-meningitis.asp).

Tuberculosis Screening

All new students who have lived in areas of the world where tuberculosis is prevalent are required to be screened for tuberculosis (TB blood testing only); this includes all new and transfer international students and all new TEC 54.052 students. TB screening may be performed at TWU Student Health Services on the Denton campus, one of its subcontracting clinics sites in Dallas or Houston, or any other licensed medical facility in the United States. Screening for tuberculosis shall be initiated prior to registration for classes at TWU. Students with positive TB test results or history of taking TB prophylaxis or treatment are required to be evaluated by a medical provider and submit a Statement of Tuberculosis Clearance Form (http://www.twu.edu/student-health-services/forms.asp) .
For additional information regarding this policy, please contact Student Health Services (http://www.twu.edu/student-health-services/default.asp). International students may consult with the Office of International Education (http://www.twu.edu/international-education).

Students in Health-related Majors

Students admitted to education and health-related programs that involve contact with patients are required to be immunized against chicken pox, hepatitis B, influenza, measles, mumps, rubella, pertussis, tetanus/diphtheria, and have annual TB screening; some departments have additional immunization and testing requirements. Proof of immunization is required at the time a student begins clinical coursework.

Some clinical facilities and school systems with which the University affiliates require that students be tested for drugs and have criminal background checks done. When this is required, students will have the screening done at their own expense. Departmental policy governs the procedures to be followed. Failure to meet the screening standards may result in the student being required to withdraw from the program.

Clinical facilities may require that students have health insurance. When this is required, students must show proof of health insurance.

Texas Woman's University does not require HIV testing of its students; however, some agencies with which the University affiliates for clinical training may require such testing. Texas law requires that if a health care worker who is HIV positive performs exposure-prone procedures, the health care worker must notify a prospective patient of the health care worker's seropositive status and receive the patient's consent to perform the procedure.

Financial Information

Cost of Attendance

Tuition rates and all fees are subject to change at any time without prior notice by action of the Board of Regents or of the Texas Legislature. Payments for tuition, fees, and room and board should be made to Texas Woman's University and should be addressed to the:

Office of the Bursar (http://www.twu.edu/bursar)
P.O. Box 425439
Texas Woman's University
Denton, TX 76204

When students register online, they may make credit card or electronic check payments via Pay for Classes Online (https://secure.touchnet.net/C21496_tsa/web/login.jsp).

Refer to the TWU Bursar's website (http://www.twu.edu/bursar) for details related to tuition, fees, payments and financial obligation to the University.

Tuition (Subject to Change)

The payment of tuition entitles the student to instruction in the various non-laboratory classes and use of the TWU Libraries. The most current rates are available on the TWU Bursar's website.

Undergraduate

Student type	cost
Resident (in-state) students, 2016-2017	$206.26 per semester credit hour
Nonresident (out-of-state and foreign) students	$614.26 per semester credit hour
Qualifying Oklahoma resident students	$236.26 per semester credit hour

Graduate

Student type	cost
Resident (in-state) students, 2016-2017	$251.26 per semester credit hour
Nonresident (out-of-state and foreign) students	$659.26 per semester credit hour

Additional Tuition Surcharges

Certain programs have established tuition charges that will be added to the above tuition rates. These additional rates are determined by the courses selected in the following areas:

Student type	cost
Communication Sciences	$20.00 per semester credit hour
Dental Hygiene	$20.00 per semester credit hour
Fashion & Textiles - undergraduate	$10.00 per semester credit hour
Health Studies	$40.00 per semester credit hour
Library & Information Studies - graduate	$10.00 per semester credit hour
Music	$35.00 per semester credit hour
Nursing - undergraduate	$50.00 per semester credit hour
Nursing - graduate masters	$55.00 per semester credit hour
Nursing - graduate doctoral	$60.00 per semester credit hour
Occupational Therapy	$5.00 per semester credit hour
School of Management - graduate	$80.00 per semester credit hour
School of Management - undergraduate	$20.00 per semester credit hour

Concurrent Enrollment Tuition

Students who will concurrently enroll at both Texas Woman's University and another state university or community college should consult with the Registrar prior to enrollment at either institution. International students must report to the Office of International Education for concurrent enrollment verification.

Nonresident Classification for Tuition

Title 3 of the Texas Education Code specifies that out-of-state residents who come to Texas for the primary purpose of furthering their education will be classified as nonresident students. Persons classified as nonresident students upon first enrollment at Texas Woman's University are presumed to be nonresidents for the period during which they continue as students. To petition for residency reclassification, the student must complete the Residency Questionnaire (http://www.twu.edu/registrar/texas-residency.asp) and submit it to the Office of the Registrar with appropriate documentation prior to the beginning of the semester.

Tuition Waivers for Nonresidents

Nonresident or international students receiving competitive scholarships in the amount of $1,000 or more awarded by Texas Woman's University may pay the in-state tuition rate. Nonresident students who hold appointment as graduate teaching assistants or graduate research assistants may pay the in-state tuition rate provided they are employed at least one-half time in a position which relates to their degree program.

Oklahoma Residents - Undergraduate Only

Qualifying Oklahoma residents may be eligible for reduced tuition from other non-residents as authorized by action of the Texas Woman's University Board of Regents. This action applies only to Oklahoma undergraduate students. Eligible students must provide two (2) different documents showing physical location of residency to the Registrar's Office for this reduced rate.

Undocumented Immigrant Students – TEC 54.052 (A)(3)

Texas law allows certain students who are not U.S. citizens to qualify for Texas residency at public universities. Applicants qualifying under TEC 54.052 (A)(3) for the resident tuition rate will be evaluated under the regular freshman and transfer admissions criteria. Eligibility for residency status may be granted if a student meets all of the following criteria:

1. graduated from a public or private high school in this state or received the equivalent of a high school diploma in this state; and
2. maintained a residence continuously in this state for:
   a. the three years preceding the date of graduation or receipt of the diploma equivalent, as applicable; and

b. the year preceding the census date of the academic term in which the person is enrolled in an institution of higher education.

Veterans Benefits

Texas Woman's University honors the Veteran's Administration GI Bill programs and the State of Texas Hazlewood Act. Benefit recipients are expected to remain in Academic Good Standing (p. 52) to be eligible for benefits. Students should contact the Veterans Program Office (http://www.twu.edu/veterans) for applications and other forms.

Excess Hours Rule for Graduate Students

Doctoral resident students will be charged at the out-of-state rate for all doctoral work in excess of 99 semester credit hours. (Note: Students in Counseling Psychology, School Psychology, Family Therapy, and Nursing are charged at the out-of-state rate for all doctoral work in excess of 130 doctoral hours.)

Excess Hours Rule for Undergraduate Students

A higher tuition rate will be charged to any resident undergraduate student enrolled before fall 2006 who, before the academic session begins, has previously attempted a number of semester credit hours taken at any institution of higher education while classified as a resident student for tuition purposes that exceeds by at least 45 semester credit hours the number of semester credit hours required for completion of the degree program in which the student is enrolled, except for those who fall within the exceptions set out in Section 61.059(b), (c), and (d) of the Texas Education Code (shown below). For this purpose, an undergraduate student who is not enrolled in a TWU degree program is considered to be enrolled in a degree program requiring a minimum of 120 semester credit hours. For students who began higher education in fall 2006, excess semester credit hour tuition applies when the student has exceeded the number of semester credit hours required for the degree by at least 30 semester credit hours. For purposes of excess hours, resident undergraduate students include nonresident students who are receiving waivers to reduce their payment to the resident tuition rate.

Exceptions

1. This regulation does NOT apply to semester credit hours earned before the 1999 fall semester.
2. For a student enrolled in a baccalaureate program under Section 51.931, semester credit hours earned by the student 10 or more years before the date the student begins the new degree program under Section 51.931 are not counted for purposes of determining whether the student has previously earned excess undergraduate semester credit hours.
3. The following are not counted for purposes of determining whether the undergraduate student has previously earned excess semester credit hours:
   a. Semester credit hours earned by the student before receiving a baccalaureate degree that has previously been awarded to the student;
   b. Semester credit hours earned by the student by examination or under any other procedure by which credit is earned without registering for a course for which tuition is charged;
   c. Credit for a developmental education course or another course that does not count toward a degree program at the institution; and
   d. Semester credit hours earned by the student at a private institution or an out-of-state institution.
   e. Effective Fall 2009, hours earned by a student before graduating from high school and used to satisfy high school graduation requirements are not included in the calculations of excess hours.

Tuition for Courses Attempted More Than Twice - Undergraduate

The Texas Higher Education Coordinating Board had established the following policy: "Public institutions of higher education may not submit for formula funding credit or contact hours attempted by students who have enrolled in courses containing the same content for a third or more times at institutions since September 1, 2001." Those courses attempted more than twice will be assessed the non-resident tuition rate after Census Day of the applicable semester.

Note: There are exceptions to this policy as designated by law. For example, exceptions include the following types of courses: thesis and dissertation courses; those music and art courses which involve more advanced content; independent study courses that are not substitutes for regular courses; special topics courses when topics vary; some developmental education courses; and continuing education courses required for professional certification.

Request for Graduate Reduced Tuition (Code 3)

Under provisions of the Texas Higher Education Code Section 54.051(e), Texas residents are eligible for a reduced tuition rate when enrolling for professional paper, thesis, or dissertation only, provided those hours are the final credits required for the degree. Students must complete a form requesting the reduction (http://www.twu.edu/gradschool/forms.asp) and return it to the Graduate School (http://www.twu.edu/gradschool) prior to the final semester.

Required Fees (Subject to Change)

Technology Fee

A $22.50 per semester credit hour technology fee will be charged to all students who register for any semester. The technology fee is assessed to help to cover the cost of computer operations used for admissions, registration, student financial aid, computer labs, student work stations, and other student computer services.

Fitness and Recreation Fee

A fitness and recreation fee of $73.00 per semester will be assessed to all students who enroll. This fee is prorated for summer short terms.

Graduate School Application Fee

A $50.00 non-refundable application fee will be assessed all students who apply for admission to the Graduate School.

International Application Fee

A $75.00 non-refundable application fee will be assessed all international students who apply for admission.

International Education Fee

A $3.00 international education fee will be charged to all students who enroll each semester. Funds collected under this fee will be used in assisting students participating in TWU international or exchange programs.

Instructional Enhancement Fee

A per credit hour fee will be assessed to all students who enroll. This fee allows continuous improvement in course instruction and outstanding advising services.

- Undergraduate Rate - $8.85/semester credit hour
- Graduate Rate - $12.85/semester credit hour

Late Registration Fee

Students will be assessed a $50.00 non-refundable late registration fee if they register and/or pay beginning the first day of class for a semester.

Library Access Fee

A library access fee of $11.00 per semester credit hour will be assessed to all students who enroll for the fall, spring, or summer.

Medical Services Fee

A medical services fee of $47.00 per semester will be assessed all students who enroll. This fee is prorated for summer short terms. The medical services fee is used to provide medical services to students at the University.

Program Fee

A program fee will be assessed to all students who enroll. This fee supports academic programs on each campus.

- Lower-level undergraduate fee (1000 & 2000 level courses): $8/semester credit hour
- Upper-level undergraduate fee (3000 & 4000 level courses): $15/semester credit hour
- Graduate-level fee (5000 & 6000 level courses): $25/semester credit hour

Publication Fee

A $2.00 publication fee will be charged per semester to all students who enroll. The publication fee is used to defray the cost of publishing University publications.

Student Union Fee

A student union fee of $150.00 will be charged each semester to all students who enroll. This fee is prorated for summer short terms. The student union fee finances the Office of the Director of the Student Center and the maintenance of the student center areas on each campus.

Student Identification Card

An $15.00 non-refundable fee will be assessed each semester to students who enroll. This fee covers the cost of the student identification card system.

Student Services Fee

The student services fee is charged based on semester credit hours. For all semesters the fee is charged at a rate of $35.71 per semester credit hour not to exceed the following maximums:

$250.00 per semester during the long fall, spring, or summer terms
$142.84 per short summer terms
$71.42 per mini term

The student services fee entitles students to a variety of services provided by University components or via contract from an outside provider. Components funded at least partially by student services fee are Career and Employment Services, the Center for Student Development, the Counseling Center, Disability Support Services, and Intercollegiate Athletics. The student services fee also enables students to attend special lectures, concerts, and dramatic presentations; to receive the university newspaper, the Lasso; to participate as members of the United Student Association; and to use a variety of recreational facilities.

Course-Related Costs

Drop/Add Fee (Subject to Change)

A $10.00 fee will be charged for dropping or adding a course when the drop/add occurs on or after the first day of the term. There will be no charge for drops and adds that are departmentally initiated to balance teaching loads or close courses. A charge will be made for each class dropped and/or each class added.

Malpractice Liability Insurance

Students enrolled in the Institute of Health Sciences or in other programs requiring clinical experience will be automatically charged a course related malpractice liability insurance fee.

Bloodborne Pathogens Insurance

Students enrolled in certain courses may be automatically assessed this insurance to provide benefits in case of accidental exposure to bloodborne pathogens/infectious disease in health-related settings.

Textbooks and Supplies

Students and faculty members may purchase textbooks and all school supplies at the University Bookstore. It is difficult to estimate the per-student cost of textbooks and supplies, since the figures vary considerably by level and subject matter area. The cost total will be affected by the proportion of used versus new textbooks purchased by students.

Other Costs and Fees

Diploma and Graduation Fees

A candidate for graduation must pay fees for the diploma, academic regalia, and, if necessary, mailing of diploma. The University will make every effort to keep these fees at a minimum cost, but they may vary from time to time. To replace a previously issued diploma, an

additional charge must be paid. Additional information may be obtained from the Registrar's office.

Housing and Meal Services

See separate bulletin available through the University Housing (http://www.twu.edu/housing/rates-and-contract-terms.asp) Director's office.

Returned Checks or Electronic Payments (Subject to Change)

A $30.00 service fee will be levied on all returned checks or electronic payments (web-check) if the bank is not at fault. Students submitting a payment to TWU that is returned unpaid are subject to being dropped from courses by the University. It is TWU policy to submit all returned checks immediately upon receipt to the Denton County District Attorney for collection.

Transcript Fee

A non-refundable fee of $10.00 per copy will be charged for all transcripts requested. All holds and past due balances must be cleared before transcripts will be released.

Replacement of Lost Meal Plan/I. D. Card (Subject to Change)

A $10.00 fee is required of all students who apply for the replacement of a lost meal plan or I. D. card.

Payment and Refunds of Tuition and Fees

Tuition and Fees Payment Option

Each student is to select one of the following alternatives for the payment of tuition and fees:

- Full payment of tuition and fees is required prior to the beginning of each semester in accordance with published deadlines in the Academic Calendar. Accepted financial aid can be used to hold class schedules and make required payment. Failure to pay will result in the deletion of all courses. Tuition and fee bills are not mailed to students but available online through WebAdvisor by accessing "My E-Bill."
- Installment Payment Plan (Subject to Change). An installment payment plan option is available for the Fall, Spring and long Summer terms only. Online enrollment by the student is required by the published deadlines. This payment option is available through the Pay Online feature through Pioneer Portal or from the TWU Homepage under Pay for Classes Online. The Fall and Spring payment plan requires a down payment of 25 percent of total semester charges by the published payment deadline. The remaining balance is split into three payments that are due at one-month intervals during the semester. The long Summer term payment plan requires a 50 percent down payment by the published payment deadline with the remaining balance in two payments that are due at one-month intervals. An installment fee of $15 (subject to change) will be assessed at the time of enrollment in any installment plan and is due in addition to the required down payment. Accepted financial aid awards can be used to make the required down payment for any installment plan.

Delinquent Payment Penalty (Subject to Change)

As provided by law, any student who fails to make full payment of tuition and all fees by the due date may be prohibited from registering for classes until full payment is made. In addition, the following charges apply:

- A charge of $15.00 for delinquent payments. Any student who does not make installment payments by the established installment plan due dates will be charged a delinquent payment fee of $15.00 for each payment that is delinquent.
- The student will not receive course credit if full payment is not made prior to the end of the semester.

Refunds for Classes Dropped

Refunds will not be made for any class dropped after the twelfth class day during the long fall, spring and summer semesters or after the second class day during each short term. Full refunds will be given for classes dropped prior to these days provided the student remains enrolled in other semester credit hours. Refunds for classes dropped are based upon student remaining in other courses during the semester.

Refunds for Withdrawal

Withdrawal from the University means officially dropping all classes through forms filed with the Office of Student Life. Refunds are pro-rated based on the day on which the student withdraws in relation to the Academic Calendar. The following schedule determines the refunds for tuition and fees for long fall, spring or summer semester withdrawal:

Date Withdrawn	Percent
Prior to the first class day	A non-refundable $15.00 matriculation fee will be assessed.
Prior to the first class day of the semester	100%
During the first five class days of the semester	80%
During the second five class days of the semester	70%
During the third five class days of the semester	50%
During the fourth five class days of the semester	25%
After the fourth five class days of the semester	None

No part of tuition or fees is returned after the 20th class day of the semester. Refunds are calculated on charges assessed, not payments received.

The following schedule determines the **short or mini term** refunds for tuition and fees upon withdrawal from the University (Education Code Section 54.006 (b2) Texas School Law Bulletin):

Date Withdrawn	Percent
Prior to the first class day	A non-refundable $15.00 matriculation fee will be assessed.

Prior to the first class day of the session	100%
During the first class day of the session	80%
During the second class day of the session	50%
Third day of class of the session and thereafter	None

Students withdrawing from the University who are enrolled for classes that begin after the last day for refunds will receive no refund of tuition and fees for those classes.

Refund Delivery Method

TWU has contracted with BankMobile Disbursements to facilitate the delivery of all student refunds for excess financial aid; dropped class refunds; account adjustment credits or withdrawal refunds. Refund checks will not be issued by the University.

A refund selection kit will be sent to students by mail after registering for their first semester at TWU. In order to receive any refund due from the University, the student must follow directions in the selection kit and make a choice from one of two methods to receive university refunds:

- ACH (electronic transfer) of refund dollars to an existing bank account that has been established.
- An online FDIC-insured bank account, BankMobile Vibe account, provided by BankMobile Disbursements.

Complete refund information is available at Bursar Office (http://www.twu.edu/bursar/RefundInformation.asp).

Undergraduate Tuition Rebate Program

Students who wish to participate in the Tuition Rebate Program must attempt no more than three semester credit hours in excess of the minimum number of semester credit hours required to complete their degree. The minimum total includes transfer credit, repeated credits, withdrawals, and credit earned by examination. Students who enroll with well-defined interests who want to complete their undergraduate study within the three-attempted-semester-credit-hour limit are eligible for a rebate of up to $1,000. Specific information and the required agreement form are available from the Registrar's Office (www.twu.edu/registrar). The deadline to submit this form to the Registrar's Office is the same deadline as the Application for Graduation.

Financial Aid

Office of Financial Aid (http://www.twu.edu/finaid)
Texas Woman's University
P.O. Box 425408
Denton, TX 76204-5408
940-898-3064
finaid@twu.edu

TWU maintains an Office of Financial Aid (http://www.twu.edu/finaid) which provides financial assistance to qualified students. Aid may be awarded in the form of work, grants, loans, assistantships, scholarships or some combination of these. In order to assure that a student's financial aid is available at registration, the following application deadlines must be followed:

Item	Date
Academic Scholarships	March 15
Summer Financial Aid	March 15
Fall/Spring Financial Aid	April 15
Spring Financial Aid	September 1

Applications received after these dates will be processed on a funds-available basis. Late applicants should be aware that funds may not be available as early as they are needed for payment of tuition, fees, and related educational expenses.

General Eligibility Requirements

Students with a non-degree seeking admission status are not eligible for financial aid. To receive financial aid including grants, loans, and college work-study, a student must:

1. Hold a high school diploma or GED,
2. Be enrolled for at least six semester credit hours each semester,
3. Maintain satisfactory academic progress in her or his course of study,
4. Gain acceptance into a degree or certificate program,
5. Be working toward a degree or certification program,
6. Use all funds received through financial aid programs to meet educational cost directly related to attendance at the University,
7. Be properly registered with Selective Service or exempt from such registration,
8. Be a U.S. citizen, eligible permanent resident or eligible non-citizen,
9. Not be in default on any federal student loan at any institution, and
10. Not owe a refund on a federal student grant.
11. Not have been convicted for possession or sale of illegal drugs for an offense that occurred while receiving federal or state student financial aid.

International Students Financial Aid Eligibility

Students who are not citizens or permanent residents of the United States may apply for scholarships, Emergency Loans, and Texas Public Education Grant (TPEG). Students should contact the Office of Student Financial Aid (http://www.twu.edu/finaid) for the appropriate application forms to apply for TPEG. International students may contact the Office of International Education (http://www.twu.edu/international-education) to determine eligibility for on-campus employment.

Enrollment Requirement for Financial Aid

To be eligible for most financial aid awards, students must be enrolled at least half-time in a degree or certificate program at Texas Woman's University. Six semester credit hours constitutes half-time enrollment at both the undergraduate and graduate level. Hours of enrollment at other colleges or universities cannot be considered to meet this enrollment requirement. Summer school applicants who plan to attend only one summer session must enroll for at least six semester credit hours during that session to receive grant, loan, or college work-study funds. Applicants enrolling in two five-week summer sessions must enroll for at least six semester credit hours in the first session to receive grant, loan, or college work-study funds during the first session. Also, developmental courses count as enrolled semester credit hours for financial aid purposes only for freshmen students (29 or fewer semester credit hours). Developmental courses include: MATH 1113, MATH 1123, and ENG 1003.

Academic Scholarships Require Full-Time Enrollment

Twelve semester credit hours constitutes full-time enrollment for undergraduate students. Nine semester credit hours constitutes full-time enrollment for graduate students. Graduating students who lack fewer than the number of semester credit hours to constitute full-time enrollment (twelve or nine respectively) may contact the Manager of Scholarships at scholarships@twu.edu or 940-898-3635 to request an exception to the full-time enrollment requirement for their final semester.

Satisfactory Academic Progress Requirements

Federal regulations require financial aid applicants to make satisfactory academic progress toward their degree or certification in order to qualify for financial aid. Applicants are evaluated each semester and must meet certain minimum academic standards relating to cumulative grade point average and the number of semester credit hours attempted and completed.

Minimum Cumulative Grade Point Average

The chart below indicates the minimum grade point average requirements based on semester credit hours attempted.

Total Semester Credit Hours Attempted	Minimum Cumulative Grade Point Average
0-29	1.8
30 or more undergraduate semester credit hours	2.0

Minimum Semester Credit Hours of Completion

The following chart indicates the minimum semester credit hours per semester that must be successfully completed based on semester credit hours attempted for the semester:

Undergraduate Students Enrolling in	Must successfully complete
12 or more	9
6-11 semester credit hours	6
1-5 semester credit hours	all semester credit hours attempted

Grades of F, I, W, WP, X, ##, WF do not represent successful completion.

Maximum Attempted Semester Credit Hours

Satisfactory Academic Progress requirements also limit the number of semester credit hours that a student can attempt or earn toward each degree and continue to receive financial aid. The semester credit hour limits indicated below include semester credit hours transferred from other colleges and all semester credit hours attempted and/or earned at TWU whether or not the student received financial assistance for the semester credit hours.

Degree	Maximum Semester Credit Hours of Eligibility
First Bachelor's Degree	186 semester credit hours
Exception: Occupational Therapy Bachelor's	276 semester credit hours
Second Bachelor's Degree	93 additional semester credit hours

If an applicant’s curriculum requires more course work than the allowable maximum, a letter from the department chair specifying the total semester credit hours required may be submitted to the Office of Student Financial Aid (http://www.twu.edu/finaid) for re-evaluation.

Satisfactory Academic Progress Appeals

Students with mitigating circumstances such as divorce of a parent or spouse, death of an immediate family member, or severe medical problems may appeal their status to the Director of Student Financial Aid. Written documentation is required for an appeal. Additional requirements are listed in individual program descriptions in this document.

Scholarships

Texas Woman's University awards more than 10 million in scholarships (http://www.twu.edu/finaid/scholarships.asp) annually which includes merit based, departmental, endowed, and need based scholarships.

- Scholarship applicants must first apply for admission to Texas Woman's University (TWU) through Apply Texas. (https://www.applytexas.org/adappc/gen/c_start.WBX)
- Applicants must create a Pioneer Portal (https://portal.twu.edu/default.asp) account before applying to the TWU Online Scholarship Application System (http://www.twu.edu/finaid/scholarships.asp). Sign in using your pioneer portal login and password.
- Priority deadline is March 15th for fall and spring semester. The online system will help you identify scholarships for which you are eligible to apply.
- Complete the general application and submit to be auto-matched for scholarships.
- After the general application is complete, press the "opportunities" button and review "recommended opportunities". These are scholarships you must manually apply for in the system. The TWU General Scholarship Committee is responsible for the selection of the new and continuing scholarship recipients
- Scholarships will be discontinued any time a recipient withdraws from TWU or fails to meet requirements regarding academic progress, or attends less than full-time each term.
- Scholarship offers are subject to timely acceptance in the scholarship system and your financial aid office, found in the portal account.

Eligibility

To be considered for scholarships, students must meet the following criteria:

- Have all required admission applications and academic transcripts in the TWU Admission's Office or Graduate Admission's Office by the application deadline
- Enroll full-time (minimum of 12 hours for undergraduate, 9 hours for graduate students and 6 hours for part-time graduate students or graduate assistants)

Eligibility Exception

- You are graduating at the end of the semester of the award
- Your degree program requires less than full-time enrollment (Example: Clinicals, student teaching, thesis, dissertation, or professional paper)
- The scholarship description permits part-time enrollment

Award Notifications

- All award notifications are sent to your TWU email account
- The awards must be accepted online, then the funds will be transmitted to your Financial Aid account
- Scholarship awards are made in the Fall and Spring semester only

First-Time-In-College Scholarships

Terry Foundation Scholarship

Terry Scholarships are available to selected entering first-time-in-college students annually. Specific eligibility requirements and the application deadlines can be found at http://www.twu.edu/terry-scholarships/default.asp

The Terry Foundation (http://www.terryfoundation.org) is a Houston-based organization founded to provide scholarships to outstanding Texas high school graduates and transfer students for attendance at public universities within the state. Established in 1986 by Houston philanthropists Howard and Nancy Terry, the Foundation has assisted

hundreds of Terry Scholars in meeting the Founders' goal of helping young people to help themselves.

This first-time-in-college scholarship provides up to full tuition, fees, room and board on campus, books and supplies. This scholarship is renewable for four years. Recipients must live on campus (at least the first year), maintaining full-time enrollment, maintain a minimum 2.5 cumulative GPA, file the FASFA application each year, write to the Terry Foundation a self-evaluation letter each year and attend all functions sponsored by the Terry Foundation.

Chancellor's Endowed Scholarship

This scholarship provides full tuition, mandatory fees (excluding room and board) and a book stipend for up to four years. Recipients are chosen from the new applicant pool. Recipients must maintain a minimum GPA of 3.25 in order to continue the award.

TWU Presidential Scholarship

The Presidential Scholarship is available to entering first-time-in-college students who are Valedictorian or Salutatorian of an accredited high school class. This scholarship pays full tuition and mandatory fees, excluding room, board and books, for up to four years. Recipients are selected from the scholarship applicant pool. Recipients must maintain a 3.25 GPA in order to continue the scholarship.

TWU Honors Scholarship

This scholarship provides $5,500 per academic year and is renewable for up to four years. Recipients are chosen from among the Honors Scholars Program applicant pool. (Visit the Honors Scholars Program (http://www.twu.edu/honors) page for more information).

First-Time-In-College Student Scholarship

Awards for this scholarship range from $1,200 to $3,000 per year and may be continued for up to four years. Entering first-time-in-college and transfer students with less than 13 semester credit hours (excluding dual semester credit hours) may apply. This scholarship is awarded to applicants based on the combination of high school grade point average, class rank, and SAT/ACT scores.

TWU Undergraduate Program

The TWU Scholars Program scholarships are awarded from endowed funds and/or gifts donated to the University. Recipients are selected from the scholarship applicant pool. Awards are based on high school grade point average, class rank, and SAT/ACT scores. An interview may be required.

Ann Stuart, PhD. and Ray R. Poliakoff Scholarship

The Ann Stuart, PhD. and Ray R. Poliakoff Scholarship was established by Dr. Ann Stuart, Chancellor and President of Texas Woman's University, to provide scholarship funds for first time, full-time, undergraduate students who demonstrate high academic achievement and financial need. This scholarship is $3,000 per year and eligible recipients may continue on this scholarship for a maximum of four years.

Dobbs Leadership Scholars

The TWU Leadership Scholarship was created for entering students with a strong record of previous leadership in order to provide an opportunity to continue and expand leadership potential at TWU. Scholarships are awarded to first-time-in-college students who have demonstrated outstanding leadership skills during high school through activities such as community service, clubs, team competitions and activities. This scholarship provides $1500 per year. Eligible recipients may continue on scholarship for a maximum of four years

Forbes Scholars

The Donald and Judith Forbes Scholarship was established to provide a full tuition and fees scholarship for an outstanding new entering, first-time-in-college student with exceptional academic standing, record of leadership and involvement as well as financial needs. This scholarship has an estimated value of approximately $8,000 per year. Eligible recipients may continue on scholarship for a maximum of four years.

Helen B. Miniter Scholars

Helen B. Miniter Scholarship was established by John J. Miniter, Ph.D. in honor of his beloved wife, Helen to provide scholarships for students with financial need with a preference being given to Native American Indians and African-Americans. This scholarship requires a 3.0 GPA and will provide 10,000 per year. Eligible recipients may continue on scholarship for a maximum of four years.

Center for Women in Business Scholarship

Texas Woman's University's new center for women in business offers 20 new scholarships of up to $6,500 each for incoming first-year students from anywhere in the country who wish to open a business in Texas.

Students applying for the scholarship must be U.S. citizens or permanent residents, have a minimum high school cumulative GPA of 3.0, an ACT score of 24 or a SAT score of 1090 or higher. Those with business ownership experience are strongly encouraged to apply.

New International Undergraduate Student Scholarships

These scholarships are awarded to new entering undergraduate or graduate international students. Awards are $2,000 per year for up to four years for undergraduates, up to two years for master's students or up to three years for doctoral students. Renewal eligibility is reviewed annually by the scholarship committees.

Entering Undergraduate Transfer Scholarships

Terry Transfer Scholarship

Terry Scholarships are available to new entering transfer students annually. Specific eligibility requirements and the application deadline can be found at http://www.twu.edu/terry-scholarships/default.asp

The Terry Foundation (http://www.terryfoundation.org) is a Houston-based organization founded to provide scholarships to outstanding Texas high school graduates and transfer students for attendance at public universities within the state. Established in 1986 by Houston philanthropists Howard and Nancy Terry, the Foundation has assisted hundreds of Terry Scholars in meeting the Founders' goal of helping young people to help themselves.

The transfer scholarship provides $13,000 annually and is renewable for up to three academic years or until graduation. Recipients must maintain full-time enrollment, maintain a minimum 2.5 cumulative GPA, file the FAFSA application each year, write to the Terry Foundation a self-evaluation letter each year and attend all functions sponsored by the Terry Foundation.

New Transfer Student Scholarship

Undergraduate students transferring to TWU from accredited community colleges or four-year universities with at least 13 semester credit hours may apply for this scholarship. Awards are at least $2,000 per year for up to three years or completion of the bachelor's degree whichever is shorter. This scholarship is awarded based on a combination of cumulative grade point average and the number of semester credit hours transferred to TWU. Post-baccalaureate students are not eligible for this scholarship.

Phi Theta Kappa Scholarship

Undergraduate students transferring to TWU for the fall semester who are active members of Phi Theta Kappa in good standing may apply for this scholarship. Documentation of membership must be submitted to scholarships@twu.edu Full time enrollment and a 3.5 grade point average. This award is for up to two years or completion of the bachelor's degree whichever is shorter. Post-baccalaureate students are not eligible for this scholarship.

TWU Honors Touchstone Scholarship

This scholarship is designed for undergraduate students transferring to TWU, enroll full-time with a 3.3 grade point average. Recipients must maintain progress toward completing Honors requirements with an average of 6 hours per year. Awards are $1,000 per year for up to two years if all criteria continues to be met.

Other Scholarships for New and Returning Undergraduate Students

Mary Bryan and Tom C. Reitch Scholarship

These scholarships, in the amount of *$1,500 per year* are available to new entering undergraduate and graduate students and to current TWU students who have completed at least 24 semester credit hours. Awards are made based on a combination of academic achievement and financial need. Recipients must reapply each year in order to continue the scholarship.

TWU General Academic Scholarships

These scholarships are awarded based on a combination of academic achievement and financial need. Full-time enrollment is required. Recipients are selected from the pool of applicants for financial aid.

Departmental Scholarships

Hundreds of endowed and donor gifted scholarships are awarded each year. Most academic departments and alumni groups have scholarship funds available. Department awards are selected from applications made through the TWU online scholarship system prior to the March 15 deadline for fall semester or November 15 for spring semester. Awards are predominately made based on academic achievement and major.

Additional scholarship information is available on the TWU website at www.twu.edu/scholarships.

Grants

Grants are awards of funds which do not require repayment and are usually awarded based on documented financial need. A Free Application for Federal Student Aid (FAFSA) (https://fafsa.ed.gov) is required. Visit the Office of Financial Aid (http://www.twu.edu/finaid)'s website (http://www.twu.edu/finaid) for additional information.

Texas Public Education Grant

This Texas grant is awarded to eligible Texas resident, non-Texas resident, and international students both at the graduate and undergraduate levels. Awards range from $100 to $2,400 depending upon the student's eligibility.

Board Authorized Tuition Grant

The Board Authorized Grant is a Texas Grant that is awarded to graduate Texas residents based upon financial need. Recipients must be enrolled at least half-time (6 semester credit hours/semester) in a degree or certification program, unless all regular coursework has been completed and less than half-time enrollment is in professional paper, thesis, dissertation, or an equivalent course. The average award is $1,600 annually. Recipients receive funds by credit to their university account.

TEACH Grant

This grant is awarded to eligible students who enroll in coursework necessary to begin a career in teaching or plan to complete such coursework. Awards provide up to $4,000 per year ($16,000 total for four-year programs) in grants to students who intend to teach full-time in high-need subject areas for at least four years at schools that serve students from low-income families. Graduate students are also eligible for $4,000 per year ($8,000 total). For students who receive the TEACH Grant, but fail to teach at least four years in an eligible curriculum, the grant becomes an interest bearing loan. Eligible applicants must have scored above the 75th percentile on the SAT, ACT, or GRE, or have graduated from high school with a cumulative grade point average of at least 3.25 on a 4.0 scale and earn a cumulative grade point average of at least 3.25 throughout the academic program for which the TEACH Grant is issued.

To avoid repaying the TEACH Grant as a loan with interest, a recipient must be a highly-qualified, full-time teacher in a high-need subject area, for at least four years within eight years of graduation, at a school serving low-income students.

Federal Pell Grant

Federal Pell Grant Awards range from $400 to $5,815 annually depending upon the student's eligibility. Awards are reduced for enrollment of less than 12 semester credit hours. To be eligible, applicants must not have received a baccalaureate degree. The Federal Pell Grant Processing Center will calculate the student's eligibility from the Free Application for Federal Student Aid (FAFSA) and report this information to the student and to the financial aid office.

Federal Supplemental Educational Opportunity Grant

This grant is awarded on the basis of exceptional financial need to undergraduate students who have not received a baccalaureate degree. Awards range from $200 to $4,000 per year.

Toward Excellence, Access and Success Grant (TEXAS Grant)

TEXAS Grant awards pay up to $5,000 annually. Applicants must be Texas residents who have exceptional documented financial need, enroll at least full-time (twelve semester credit hours per semester) unless granted a hardship provision, have not been granted a baccalaureate degree, have not been convicted of a felony or any drug related offense unless they have been pardoned or have received a certificate of discharge by the Texas Department of Criminal Justice, have an EFC less than or equal to $5,088, register for Selective Service or be exempt from registration, and meet one of the following conditions:

An undergraduate student who:

- graduated from an accredited public or private high school in Texas;
- completed the Foundation, Recommended, or Distinguished Achievement high school program (or the equivalent); and
- enrolled in an undergraduate degree or certificate program at an approved institution within 16 months from high school graduation having not accumulated more than 30 SCH's (excluding credits for dual enrollment or by examination); OR

An undergraduate student who:

- earned an associate's degree from a public or private nonprofit institution of higher education in Texas, and
- enrolled in an eligible institution within 12 months after receiving the associate's degree; OR

An undergraduate student who:

- graduated from an accredited public or private high school in Texas May 1, 2013 or later;
- completed the Recommended or Distinguished Achievement high school program (or its equivalent); and
- enlisted in military service within 12 months of high school graduation and enrolled in an eligible GATI within 12 months of receiving an honorable discharge; OR

An undergraduate student who:

- transferred into a public university in Texas with at least 24 SCH's and a minimum 2.5 GPA; and
- received an initial year (IY) Texas Educational Opportunity Grant (TEOG) in Fall 2014 or later;

To receive priority consideration for an initial award through the TEXAS Grant Program, a student must:

- Meet the basic initial year (IY) student eligibility requirements (see section above);
- Meet the state priority deadline of March 15; and
- Meet the requirements in at least 2 of the following 4 areas:
  - **Advanced Academic Program -** 12 hours of college credit (dual credit or AP courses), complete the Distinguished Achievement Program (DAP), or complete the International Baccalaureate Program (IB).
  - **TSI Readiness** - Meet the Texas Success Initiatives (TSI) assessment thresholds or qualify for an exemption. See TSI Exemptions and College Ready Scores (http://www.twu.edu/undergraduate-studies/tsi-exemptions-college-ready-scores.asp).
  - **Class Standing** - Graduate in the top one/third of the HS graduating class or have a B average.
  - **Advanced Math** - Complete at least one math course beyond Algebra II as determined by the Texas Education Agency (TEA).

Students may be considered for continuation of the TEXAS Grant for undergraduate study up to 150 semester credit hours or six years, whichever comes first, as long as the following requirements are met:

- Minimum of full-time enrollment (twelve semester credit hours per semester) as an undergraduate student who previously received a TEXAS Grant award and has not yet been granted an undergraduate degree.,
- Documented financial need.
- Maintain satisfactory academic progress (SAP):
  - At the end of the first year - Meet Institutional SAP. See Maintaining Eligibility (http://www.twu.edu/finaid/maintaining-eligibility.asp).
  - At the end of all years following the first year - 2.5 Cumulative GPA with 24 semesters credit hours in an academic year.

In the event of a hardship or for other good cause, an otherwise eligible person may receive a TEXAS grant while enrolled for an equivalent of less than full-time. Such conditions include, but are not limited to:

- A showing of a severe illness or other debilitating condition that may affect the student's academic performance,
- An indication that the student is responsible for the care of a sick, injured, or needy person and that the student's provision of care may affect his or her academic performance; or
- The requirement of fewer than nine semester credit hours to complete one's degree plan.

Under no circumstance, other than fewer semester credit hours required for graduation, may a person enrolled less than half time receive a TEXAS grant.

Employment

Students who are eligible to work in the United States may apply for employment as part of a financial aid package or in addition to the financial package, depending on the limits of the programs described in this section. In compliance with the Immigration Reform and Control Act of 1986, all employees hired after November 6, 1986, will be required to supply documents which provide proof of identity and eligibility for employment in the United States.

Examples of Employment Eligibility Documents:

- Valid driver's license and valid social security card.
- Certificate of United States Citizenship (INS Form N-456 or N-561).

- Certificate of Naturalization (INS Form N-550 or N-570).
- Alien Registration receipt card.
- United States passport.

College Work Study Programs

College Work Study programs permit undergraduate and graduate students to earn from $700 to $7,250 annually. Awards are based on financial need and are part of the student's financial aid package. Jobs include work in dining services, offices, laboratories, library, and maintenance, etc.

TWU Student Employment

Both financial aid and non-financial aid recipients may work on campus as student assistants under the Student Employment Program. This program is not part of the financial aid package. Participants must be enrolled for at least six semester credit hours and be eligible to work in the United States. Participants may earn up to $5,760 per academic year. This program is coordinated through Career Services located in the Human Development Building for students on the Denton Campus. Employment at the Dallas and Houston centers is coordinated by the Financial Aid representative located at those centers.

Student Loans

The University administers loan programs whereby students can borrow a substantial part of the expenses of pursuing university study. Repayment of loans begins six months after the recipient has ceased enrollment as at least a half-time student (6 semester credit hours per semester). Students who receive loans as part of their financial aid award must complete Entrance Loan Counseling prior to receiving the loan funds. Entrance Loan Counseling may be completed online at StudentLoans.gov (https://studentloans.gov), on the TWU Financial Aid website (http://www.twu.edu/finaid) for non-federal loans, or in person by calling 940-898-3067 to schedule an appointment.

For more information on the loans listed below, please visit the TWU Financial Aid website (http://www.twu.edu/finaid).

Federal Direct Stafford Student Loans

Federal Direct Subsidized Stafford Student Loan

This loan is available to undergraduate students only on the basis of documented financial need. Repayment and interest are deferred until six months after the student graduates or ceases to be enrolled for at least six semester credit hours. The interest rate is variable up to 8.25% and is adjusted each year on July 1. The actual interest rate will be printed on the Disclosure Statement which the student will receive from the lender. The lending institution will notify the student borrower of interest rate changes throughout the life of the loan. Distinctions between this loan and the Federal Direct Unsubsidized Stafford Loan are that the Federal Direct Unsubsidized Stafford Loan does not require documented financial need and interest on the Federal Direct Unsubsidized Stafford Loan begins to accrue when funds are disbursed.

Federal Direct Subsidized Stafford Loan Annual Maximums

Borrower's Academic Level	Maximum Annual Amount
Freshman	$3,500
Sophomore	$4,500
Junior	$5,500
Senior	$5,500

Federal Direct Unsubsidized Stafford Loan

This loan is available to undergraduate students or graduate/professional students. Interest accrues from the date of disbursement at a variable rate not to exceed 9% annually. The federal government sets the rate each year. Graduate students may borrow up to $20,500 annually with an aggregate maximum of $138,500 (including subsidized and unsubsidized loans borrowed at the undergraduate level).

Cumulative maximums for Federal Direct Subsidized and Unsubsidized Stafford Loans for each student category

Student	Amount
Dependent Undergraduate Subsidized + Unsubsidized	$31,000
Independent Undergraduate Subsidized only	$23,000
Independent Undergraduate Subsidized + Unsubsidized	$57,500
Graduate (Includes undergraduate loans) Subsidized only	$65,000
Graduate (Includes undergraduate loans) Subsidized + Unsubsidized	$138,500

Federal Perkins Student Loan

The University participates in the Perkins Loan Program authorized by the National Education Act of 1958 (Public Law 85-864) as amended by the Education Amendments of 1976 (Public Law 94-482). This loan is available to undergraduate and graduate students on the basis of exceptional financial need. Repayment and interest are deferred until nine months after the student graduates or ceases to be enrolled for at least six semester credit hours. The current interest rate is 5% annually. Under certain circumstances a portion of the loan may be canceled for designated public service.

Federal Perkins Student Loan Maximums

Borrower's Academic Level	Annual Limit	Aggregate/ Cumulative Maximum
Undergraduate	$5,500	$27,500
Graduate	$8,000	$60,000

Federal Nursing Student Loan Program

The University participates in the Nursing Student Loan Program which was established by the Nursing Training Act of 1964. This loan is available to undergraduate and graduate nursing majors on the basis of financial need. The interest rate is currently 5% annually. Repayment and interest are deferred until nine months after

a borrower graduates or ceases to be enrolled for at least six semester credit hours in the College of Nursing.

Federal Nursing Student Loan Maximums

Borrower's Academic Level	Annual Maximum
Freshman & Sophomore	$2,500
Junior & Senior	$4,000
Graduate	$4,000
The aggregate/cumulative maximum is $13,000 including amounts borrowed for both undergraduate and graduate study.	

The Ella Kate and Wallace Ralston Medical and Nursing Student's Loan Fund

The Ella Kate and Wallace Ralston Medical and Nursing Student's Loan Fund was established under the will of the late Ella Kate Ralston of Houston, TX. Mrs. Ralston was the widow of Dr. Wallace Ralston, a prominent Houston physician who specialized in diseases of the eye until his death in 1951. To the extent funds are available; this fund provides loans to full-time medical or nursing students who are Texas Residents and citizens of the United States. Loans up to $5,000 annually for medical students and up to $2,000 annually for nursing students are awarded on the basis of financial need. Preference will be given to junior and senior students, but loans may be granted to sophomores if funds are available.

Federal Direct Parent Loan for Undergraduate Students (PLUS)

This loan is available to the parent of a dependent student for the student's educational expenses. Parents may borrow up to the student's cost of attendance minus other financial aid annually. Generally, repayment begins 60 days after the final loan disbursement for the loan period but parents may choose to defer repayment until the student graduates or leaves school. Interest accrues from date of disbursement at a variable rate not to exceed 9% annually. The federal government sets the rate each year. This loan does not require an evaluation of financial need to determine eligibility but may require a review of the parent borrower's credit history.

Emergency Loan Fund

To be eligible for an Texas Public Education Emergency Loan (http://www.twu.edu/finaid/tpe-emergency-loans.asp), a student must be enrolled or accepted for enrollment at the University. These loans are restricted to the payment of University charges for tuition, fees, room and board. These loans are of a short-term emergency nature and must be repaid within 60 days. The rate of interest is three to five per cent depending upon the source of funds.

Information and online applications are available through the TWU Pioneer Portal (https://portal.twu.edu/default.asp).

Financial Aid Refunds and Repayments

Financial aid recipients who enroll and receive aid for a particular semester, then fail to complete more than 60% of that semester, will have to repay part or all of the aid received for that semester. Additionally, any tuition, fees, room or board payments refunded by TWU as a result of a student's withdrawal must be returned to the financial aid programs in accordance with federal law.

Up through the 60% point in each semester, a *pro rata* schedule is used to determine the amount of aid to be repaid by a student who withdraws. No adjustments in financial aid are required for students who withdraw after the 60% point in a semester.

Examples of refund and overpayment calculations for financial aid recipients may be obtained from the Office of Financial Aid (http://www.twu.edu/finaid).

Financial Aid Overawards

In accordance with federal law, financial aid awards will be revised if the recipient receives awards in excess of documented financial need or total cost of attendance for a specific term or year. For information regarding repayments or revisions to financial aid awards due to dropping classes, withdrawing from the University, or receiving additional resources after a financial aid offer has been made by the University, contact the Financial Aid Office.

Consumer Information Disclosures

As a participant in Title IV Federal Student Financial Aid Programs, Texas Woman's University is pleased to provide the following Consumer Information to you:

Financial Aid Information

Financial aid information is available online at the Office of Financial Aid (http://www.twu.edu/finaid).

The information includes:

- A description of all Federal, State, local, private, and institutional student financial aid assistance available to students who enroll at Texas Woman's University;
- A description of need-based and non-need-based federal financial aid that is available to students including scholarships, grants, work-study, and loans;
- Policy for the disbursement of funds for books and supplies to students eligible for Pell Grants;
- The terms and conditions under which students receive Federal Direct Student Loans, Federal Parent Loans, Federal Perkins Student Loans, Federal Nursing Student Loans, Texas (State) College Access Loans and Texas (State) Be-On-Time Loans;
- The procedures and forms by which students apply for financial assistance;
- The criteria for selecting aid recipients from the group of eligible aid applicants;
- The criteria for determining the amount of a student's award;

- The rights and responsibilities of students receiving financial assistance;
- The criteria for continued student eligibility under each financial aid program;
- The academic standards which the student must maintain in order to be considered to be making satisfactory academic progress in his or her course of study for the purpose of receiving financial aid;
- The criteria by which the student who has failed to maintain satisfactory academic progress may reestablish his or her eligibility for financial assistance;
- The method by which financial aid is disbursed and the frequency of those disbursements;
- The terms of any loan received by a student as part of the student's financial aid package, a sample loan repayment schedule for sample loans and the necessity for repaying loans;
- The general terms and conditions applicable to any employment provided to a student as part of the student's financial aid package;
- The exit counseling information provided and collected by Texas Woman's University for borrowers under the Federal Perkins Loan Program, the Federal Nursing Loan Program, and the Federal Direct Student Loan Program.

The names and titles of persons designated to assist students in obtaining financial aid information are available at Office of Financial Aid (http://www.twu.edu/finaid/staff.asp).

The names and titles of persons designated to assist students in obtaining admissions and general school information are available at:

Graduate School (http://www.twu.edu/gradschool/staff.asp)

Admissions Counselors (http://www.twu.edu/admissions/meet-the-admissions-team)

Education Abroad

Students interested in studying abroad should contact Education Abroad Programs (http://www.twu.edu/education-abroad).

Students who participate in programs abroad which are approved for academic credit at Texas Woman's University may receive federal (Title IV) financial aid. Information on financial assistance for education abroad is also available through Education Abroad Programs.

Cost of Attendance

Cost of attendance information, including tuition and fees charged to full-time and part-time students, estimates of costs for necessary books and supplies, estimates of typical charges for room and board, estimates of transportation costs for students, and any additional cost of a program in which a student is enrolled or expresses a specific interest, is available at:

Estimated Cost of Attendance (http://www.twu.edu/finaid/estimated-cost-attendance.asp)

Office (http://www.twu.edu/bursar) of the Bursar (http://www.twu.edu/bursar)

Tuition and Fee Refund Policy

Policies about tuition and fee refunds resulting from dropped courses or withdrawals (http://www.twu.edu/bursar/RefundInformation.asp).

Withdrawing from the University

Requirements and procedures for dropping courses or officially withdrawing from the university (http://www.twu.edu/registrar/dropping-withdrawing.asp).

Financial Aid Repayments Due to Withdrawal or Dropped Courses

Information on financial aid repayments resulting from withdrawal or dropped courses can be found in the Financial Aid Refunds & Repayments section of this catalog.

Academic Programs

Information on academic programs available at Texas Woman's University, accreditation, instructional personnel, and plans for improving academic programs is available at Office of Academic Affairs (http://www.twu.edu/academic-affairs/default.asp).

A copy of the most recent accreditation report may be obtained at the SACS - Commission on Colleges (http://www.twu.edu/sacs).

Questions regarding academic accreditation, licensing, and placement of and types of employment obtained by graduates of degree and certificate programs should be directed to:

Robert Neely, Ph.D.
Provost & Vice President for Academic Affairs
Texas Woman's University
P.O. Box 425617
Denton, TX 76204
PH: 940.898.3301

Graduation and Completion Rates

Information on graduation and completion rates for Texas Woman's University is available in the Fact Book (http://www.twu.edu/institutional-research/fact-book.asp).

Questions concerning graduation and completion rates should be directed to:

Mark S. Hamner, Ph.D.
Assistant Provost
Texas Woman's University
P.O. Box 425765
Denton, TX 76204-5765
PH: 940.898.3039

Equity in Athletics, Athletic Funding

The most recent Equity in Athletics Report can be found at TWU Athletics (http://www.twuathletics.com).

Questions concerning Equity in Athletics, athletic funding, or athletic programs should be directed to:

Chalese Connors, Athletic Director
Texas Woman's University
P.O. Box 425349
Denton, TX 76204
PH: 940.898.2378

Drug and Alcohol Abuse Prevention

Information on drug free campuses and communities, alcohol and drug policies, and drug abuse and treatment programs is available in the Texas Woman's University Student Handbook (http://www.twu.edu/student-life-office/student-handbook.asp). Questions concerning alcohol and drug policies and drug abuse and treatment programs should be directed to:

Monica Mendez-Grant, Ed.D.
Vice President for Student Life
Texas Woman's University
P.O. Box 425379
Denton, TX 76204
PH: 940.898.3601

Crime Statistics, Security Policies, and Fire Safety

Information on crime statistics, security policies, and fire safety is available at the TWU Department of Public Safety (http://www.twu.edu/dps).

Questions concerning crime statistics, security policies or fire safety should be directed to:

Elizabeth Z. Pauley, Director of Public Safety
Texas Woman's University
P.O. Box 425767
Denton, TX 76204-5767
PH: 940.898.2911

Disability Support Services

Information about services and facilities available to students with disabilities, including students with intellectual disabilities, is available at the Office of Disability Support Services (http://www.twu.edu/disability-support-services).

Questions concerning disability services and facilities should be directed to:

Jo Ann Nunnelly, Director of Disability Support Services
Texas Woman's University
P.O. Box 425966
Denton, TX 76204-5966
PH: 940.898.3835

Rights, Responsibilities, and Other Legal Matters

Withdrawing or Dropping Courses

A student who withdraws or drops courses after receiving a financial aid payment may be required to repay part or all of their financial aid immediately. Withdrawing or dropping below six semester credit hours may also impact future financial aid eligibility. Students are strongly advised to contact the Office of Student Financial Aid prior to making decisions regarding withdrawing or dropping classes. Also, see the "Satisfactory Academic Progress Requirements" section for information on the impact of dropping classes or withdrawing.

Simply not attending class, or not paying for the registration, will not automatically cancel the classes. Failure to withdraw officially will result in grades of "F" for each class in which one has pre-registered. Students may incur additional cost if proper withdrawal procedures are not followed. Some financial aid funds such as grants, scholarships, Federal Perkins Loans, Federal Stafford Student Loans, Parent Loans for Undergraduate Students, Graduate PLUS Loans, Emergency Loans, and Nursing Student Loans are applied automatically toward registration or pre-registration charges. This results in the student's registration or pre-registration being finalized. Consequently, students who register and later decide not to attend Texas Woman's University, must contact Student Life at 940-898-3601 to officially withdraw from all classes. Failure to officially withdraw may make the student responsible for repaying financial aid. See "Financial Aid Refunds and Repayments" section for more information.

Legal Rights of Financial Aid Recipients

Students receiving federal student aid have certain legal rights. Students' rights include the following:

- The student has the right to know what financial aid programs are available at TWU.
- The student has the right to receive a listing from the financial aid office of the agency in each state which may be contacted regarding grants available to residents of that state.
- The student has the right to know the deadlines for submitting applications for each of the financial aid programs available.
- The student has the right to know how financial aid will be distributed, how decisions on that distribution are made, and the basis for these decisions.
- All financial aid payments are disbursed on a term by term basis. Typically, students receive one disbursement per term or semester. Funds awarded after the start of a term are disbursed as the funds become available.
- All scholarships, grants, Federal Direct Stafford Loans, Federal Perkins Loans, Nursing Loans, Federal Direct Graduate PLUS, and Federal Direct Parent Loans credited to your student account will be applied to any charges owed to TWU. Any amount exceeding charges owed to TWU will be refunded to you via the current university process.
- Refunds are issued to the student five days prior to the start of classes each term, or within two working days of the awarded funds being credited to your account for funds received after the start of classes.
- If you add classes or incur other charges to your student account after a financial aid refund has been issued to you, you must pay the additional charges by utilizing the refund or personal funds.
- The student has the right to know how his/her financial need was determined.
- The student has the right to know what resources (such as parental contribution, other financial aid, assets, etc.) were considered in the calculation of his/her financial need.
- The student has the right to know how much of his/her financial need, as determined by the institution, has been met.
- The student has the right to request an explanation of the various awards in his/her student aid package.
- The student has the right to know the school's refund policy.
- The student has the right to know what portion of the financial aid he/she receives must be repaid, and what portion is grant (free)

aid. If the aid is a loan, the student has the right to know what the interest rate is, the total amount that must be repaid, fees during repayment, the payback procedures, the length of time he/she has to repay the loan, when repayment is to begin, and available options for consolidation.

- The student has the right to know how the school determines whether he/she is making satisfactory academic progress, and the results of not meeting these standards.
- If the student is offered a Work-Study job, he/she has the right to know the required work hours, the job duties, the rate of pay, and how and when paychecks are received.
- If the student believes a mistake has been made in determining his/her financial aid eligibility, he/she has the right to ask that his/her financial aid application be reconsidered.
- If the student has a loan and the loan servicer transfers (e.g.sells) the loan and the right to receive payments, the student must be sent a notification telling him/her to whom he/she must now make payments.
- Lenders and loan servicers must provide borrowers with a copy of the complete promissory note.
- The student has the right to prepay a loan without penalty. This means that he/she may at any time pay in full the loan balance and any interest due without being charged a penalty by the loan servicer for early payment.
- If the student cannot meet a loan repayment schedule, he/she may request forbearance from the loan servicer under which the payments may be reduced for a specific period of time.
- In borrowing money, the student assumes the responsibility for repaying the loan. If circumstances arise which make it difficult to meet this responsibility, he/she should contact the loan servicer.

Legal Responsibilities of Financial Aid Recipients

Students receiving federal student aid have certain legal responsibilities. Student responsibilities include the following:

- The student must complete all application forms accurately and submit them on time to the appropriate location.
- The student must provide correct information. The intentional misreporting of information on financial aid application forms is a violation of the law and is considered a criminal offense which could result in indictment under the U.S. Criminal Code.
- The student must return all additional documentation, verification, corrections, and/or new information requested by either the Financial Aid Office or the agency to which an application was submitted.
- The student must report to the Financial Aid Office any additional financial resources received by him/her during the period of his/her financial aid award.
- The student is responsible for reading and understanding all forms that he/she is asked to sign and for keeping copies of the forms.
- The student must accept responsibility for all agreements that he/she signs.
- The student must perform the work that he/she has agreed upon in accepting Work-Study or regular student employment.
- The student must be aware of and comply with the deadlines for application or reapplication for aid.
- The student should be aware of the school's refund policy.
- All schools must provide information to prospective students about the school's programs and performance. The student should consider this information carefully before deciding to attend school.
- If the students receives a loan, he/she must notify the loan servicer if any of the following occurs before the loan is repaid:

    1. Graduation
    2. Withdrawal from school or less than half-time enrollment
    3. Change of address
    4. Name change
    5. Transfer to other school(s)

- If the student has received a Federal Perkins Loan, Nursing Student Loan, Federal Stafford Loan, or a Graduate PLUS Loan, he/she must complete an entrance loan counseling/debt management session, either in person or online, prior to receiving their first disbursement of loan funds at TWU. NOTE: Federal Perkins Loan and Nursing Student Loan recipients must complete entrance loan counseling/debt management each year.
- The student must also complete an exit interview, either in person or online, if enrollment drops below 6 credit hours; or if he/she graduates, transfers to another school, or fails to enroll for any long semester.
- The student must repay any loan received at TWU, plus accrued interest, in accordance with the repayment schedule.
- In borrowing money, the student assumes the responsibility for repaying the loan. If circumstances arise that make it difficult to meet this responsibility, he/she should contact the loan servicer.
- The student must notify the lender of any occurrence which may affect eligibility for a deferment of repayment.
- It is the student's responsibility to return his/her signed award letter to the Financial Aid Office or accept aid through the TWU Pioneer Portal within 14 days of its issuance.

Academic Information & Planning

Academic Advising

All TWU students should meet with the academic advisors (http://www.twu.edu/aac/first-year%20advisors.asp) or faculty advisors (http://www.twu.edu/aac/sophomore-junior-senior-student-advisors.asp) in their major program prior to registering each semester to develop a schedule of courses needed to complete their degree requirements.

Working with advisors supports academic success. Academic advisors discuss with students their decisions about educational and career goals, as well as informing them about degree requirements and opportunities. It is the responsibility of students to investigate necessary resources and information to help them make informed decisions regarding their academic careers. Students should work with advisors to stay informed about current university policy, departmental scholarships, and support services. For more information visit the Academic Advising website (http://www.twu.edu/aac).

Maximum Semester Credit Hour Load

An undergraduate student may not enroll for more than 19 semester credit hours during a fall or spring semester, or more than 17 semester credit hours during the summer, including Summer I. Exceptions require the approval of the department chairperson, program director, or associate dean. Exceptions will be considered only if additional course work is in the best interests of the student, when the student is in good academic standing, and has a grade point average of 3.0 or higher for the last two semesters. Students are expected to prepare for classes with a minimum of two to three hours of study for each semester credit hour.

Degree Audit

Degree Audit enables students to track their progress towards graduation. Students should check their online degree audit record each semester and work with their advisor in planning or making changes. The Degree Audit system shows courses and requirements for their degree plans. The degree audit provides a statement of requirements, but the student is responsible for knowing the requirements for the degree as stated in the catalog under which he or she is entitled to graduate and for registering to fulfill these requirements. One year prior to graduation, an Undergraduate Degree Plan Verification Form (http://twu.edu/registrar/forms.asp) must be signed by the advisor and submitted to the Registrar's Office.

Choosing a Major

After students complete 30 semester credit hours, they must select a major and degree plan in order to choose the appropriate courses for the degree. No diploma can be granted without a degree plan, as shown on the Undergraduate Degree Plan Verification Form (http://twu.edu/registrar/forms.asp) available online in the forms section of the Registrar's Office website (http://www.twu.edu/registrar/default.asp). Students should meet with their major advisors either one year prior to anticipated graduation or when they have completed 90 semester credit hours to run a degree audit, review their remaining graduation requirements, complete any needed substitution forms, complete the verification form, and submit the form with required signatures to the Registrar's Office. Students should keep a copy of the degree audit and carefully complete the remaining requirements in order to graduate on time. Another degree audit should be run at the beginning of the final semester to assure that all degree requirements have either been met or are in progress. If documentation that the requirements have been completed is not submitted to the Registrar's Office, the diploma cannot be granted.

To change a major, a student must submit the Approval for Change of Undergraduate Academic Program (http://www.twu.edu/registrar/forms.asp) form to the Office of the Registrar (http://www.twu.edu/registrar/default.asp). Change of majors after the census date of a term will be officially reflected starting the next academic term.

UNIV 1231: Learning Frameworks

UNIV 1231 is a one credit hour course fulfilling the Component Area Option (CAO) in the TWU Core Curriculum. The course uses research and theory of learning, cognition, and motivation along with the application of learning strategies to positively influence college student success. The goal of the course is to encourage effective integration of learning theories with academic skills, personal well-being, and resource utilization among TWU students.

After enrolling in the course students will be able to:

1. Evaluate research and theories of learning that impact learning and lead to development of effective learning strategies.
2. Develop strategies for reading, questioning, and conducting academic inquiry.
3. Apply knowledge of learning theory to development of personal effective learning strategies.
4. Integrate tenets of academic integrity in oral and written works.

Academic Integrity and Intellectual Property Rights

Academic integrity is the foundation of the academic community. Because each student has the primary responsibility for being academically honest, students are responsible for reading and understanding all sections in the **Student Handbook** relating to standards of conduct and academic life. Students who violate University rules on academic dishonesty are subject to disciplinary penalties, including the possibility of failure or removal from a course, disciplinary probation, and/ or dismissal from the University. Academic dishonesty includes but is not limited to cheating, plagiarism, collusion, fabrication, falsification, and falsifying academic records, other acts intentionally designed to provide unfair advantage to the student, and/ or the attempt to commit such acts. Detailed definitions of these acts are provided in the **Student Handbook**.

Texas Woman's University makes every effort to preserve the faculty/ student relationship. The following procedure has been developed with this relationship in mind. Faculty members should clearly identify course specific standards which interpret University, college, and/or departmental policies related to academic integrity. These explanations should appear in the course syllabus.

In the event of alleged academic dishonesty, the faculty member who discovers evidence or receives reports of academic dishonesty should:

1. Check with the Office of Civility and Community Standards to determine if there has been a previous violation of academic dishonesty. If there has been a previous violation, the matter is referred to the Conduct Review Officer in the office of Civility and Community Standards. If this is an alleged first violation, then the faculty member will arrange to meet with the student(s) accused of the alleged infraction. At this meeting, the faculty member will complete the Academic Dishonesty Report Form (http://www.twu.edu/student-life-office/forms.asp) which the student will sign with an acknowledgment of acceptance of responsibility.
2. If the student(s) acknowledges the act of academic dishonesty, and the faculty member is satisfied that the incident can be effectively resolved with a grade sanction, the faculty member will assign a reasonable penalty such as:
   - Written reprimand
   - Assignment of a 0 on an assignment
   - Assignment of a lower grade on the test/paper/project in question, with an explanation from the instructor
   - Assignment of a grade of F in the course
3. If the faculty member determines that the violation is a severe case, referral may be made to the Conduct Review Committee for action by reporting to the Conduct Review Officer using the Academic Dishonesty Report Form.
4. If the student denies the allegation of academic dishonesty, if the case is a second violation, OR if the faculty member believes the severity of the incident may warrant a sanction more severe than is available to faculty, the faculty member will forward a written summary (Academic Dishonesty Report Form (http://www.twu.edu/student-life-office/forms.asp)) of the incident to the office of Civility and Community Standards. The summary must include relevant evidence. The Conduct Review Officer will institute disciplinary proceedings listed in the Student Code of Conduct in Chapter 4 of the **Student Handbook**. In all cases, the disciplinary proceedings will begin with a pre-hearing conference between the Conduct Review Officer and the accused student. During the pre-hearing conference, the accused student(s) will have the opportunity to discuss and review all evidence as well as ask questions about the charges and the options available for resolution. During the pre-hearing conference the student will be presented with the following options:
   - To plead responsible for the charge of academic dishonesty, which indicates that the student does not contest the charge of academic dishonesty, waives all rights to a formal hearing, and accepts a sanction imposed by the Conduct Review Officer; or
   - To request a formal hearing with the Code of Conduct Review Committee.

The formal hearing process is outlined in Chapter 4 of the **Student Handbook**. Pending the outcome of an investigation that is not resolved at the end of a semester or summer session, the faculty member must assign a grade of NG (no grade) to the student.

The following sanctions may be imposed by the Codes of Conduct Review Committee for academic dishonesty:

- Written reprimand
- Assignment of a 0 on an assignment
- Assignment of a lower grade on the test/paper/project in question, with an explanation from the instructor.
- Assignment of a grade of F in the course.
- Removal from the course with the assignment of a failing grade (WF)
- Disciplinary Probation
- Suspension from the University
- Expulsion from the University
- Other appropriate sanctions as determined by the Conduct Review Committee

The faculty member may recommend a sanction to the Committee during the hearing process. If the assigned sanction involves an action involving a grade, the sanction will be communicated to the faculty member who will assign the sanction accordingly. Whether the matter is resolved administratively or through a formal hearing, the student may appeal by delivering a written notice of appeal to the Vice President for Student Life within 72 hours following the receipt of the decision. The decision of the Vice President for Student Life is final.

Record of Scholastic Dishonesty

Records of scholastic dishonesty are retained in the Student Life Office (http://www.twu.edu/student-life-office/default.asp) and are kept separate from the student's academic record or transcript. Disciplinary records including academic dishonesty may be released to persons outside of the university only with consent of the student, or by exceptions described in the Family Educational Rights and Privacy Act (p. 5) including:

1. other school officials who have been determined to have a legitimate educational interest;
2. federal, state and/or local officials to whom such information is specifically allowed; and/or
3. a court order or subpoena.

Intellectual Property

Texas Woman's University's Board of Regents Policy 4.02, "Intellectual Property (http://www.twu.edu/regents/intellectual-property-part-1-introduction.asp)," covers the ownership, distribution, and commercial development of intellectual property developed by TWU faculty, staff, students, and others participating in TWU programs.

Texas Success Initiative (TSI)

By Texas law, all undergraduate students enrolling in Texas public colleges and universities must take the TSI Assessment to ensure their academic readiness for college-level course work. All undergraduate students enrolling at Texas Woman's University who are not otherwise exempt must attempt the TSI Assessment prior to enrolling for classes. The TSI Assessment is offered regularly at TWU; please visit Academic Advising (http://www.twu.edu/aac/accuplacer-test-dates.asp) for a schedule of test dates.

Transfer students from out of state or Texas private institutions may be eligible to use transferred courses to satisfy TSI requirements. A student must have earned a satisfactory course grade in each of the three skill areas: math, reading, and writing. If not, the student must be tested for the remaining skill area(s) and must comply with all other TSI requirements.

Students who have not met one or more standards of readiness for freshman work will meet individually with an academic advisor to

determine an appropriate developmental education plan. Once a student has completed the recommended developmental plan or successfully or repeated the assessment test, the student proceeds to freshman coursework. Students who have not met freshman readiness standards will experience a registration restriction until they meet those standards.

Core Curriculum Requirement

All Texas undergraduate students in public higher education are required to complete the state-approved core curriculum. The core curriculum described below applies to students who enroll for the first time at TWU in fall 2015. This core differs from prior core curricula; archives can be retrieved from the Undergraduate Studies and Academic Partnerships Core Curriculum Archives (http://www.twu.edu/undergraduate-studies/core-curriculum-archives.asp). For information related to the transfer of core curriculum courses, see the Transfer of Credits (p. 49) section of this catalog.

The TWU Core Curriculum is a general education program designed to:

1. Promote students' mastery of basic intellectual competencies essential to the learning process in any discipline – reading, writing, oral communication, critical thinking, and computer literacy;
2. Develop knowledge of various contrasting views of human experience in the world and a breadth of vision against which students can establish and reflect on their own goals and values;
3. Enable students to analyze diverse social institutions, cultural norms, and practices for their impact on our society and on the status and roles of women;
4. Develop a quantitatively literate college graduate who is able to apply basic mathematical tools in the solution of real-world problems.

TWU Core Curriculum Requirements

To ensure selection of the appropriate courses to complete the TWU core and their majors, students should consult with the degree requirements in their majors. Each department, school, and college specifies its own requirements for a major and minor in its section of the catalog and on its website.

A course taken for core credit in the department of the student's major cannot be counted in the semester credit hours applied to the major. In addition, departments may specify which core courses may be taken by their majors and may specify that a course taken for core credit is a prerequisite for a course that gives credit in the major. If a course in a student's major field is also approved for core credit, the student may elect to take the course either for core credit or for credit toward the major, provided the department of the student's major approves.

Following state guidelines, non-core courses cannot be substituted for core courses. Equivalency with core courses may be established by the advisor with core course evaluation through the Office of Undergraduate Studies and Academic Partnerships (http://www.twu.edu/undergraduate-studies/default.asp).

Students pursuing a degree program that requires transfer to TWU centers in Dallas or Houston should take particular care to complete all lower-division core requirements in a timely fashion.

NOTE: Although this catalog was prepared on the basis of the best information available at the time, users are cautioned that core curriculum requirements are subject to change as necessitated by University or legislative action. Students are encouraged to consult with their academic advisor for questions related to core and degree requirements.

State Core Area	Required Hours
Communication	6
Mathematics	3
Life & Physical Sciences	6
Language, Philosophy, & Culture	3
Creative Arts	3
American History	6
Government/Political Science	6
Social & Behavioral Sciences	3
Component Area Option	6
Core Competencies (oral communication and computer literacy)	
Total	**42 (Minimum)**

Natural Sciences Requirement

The TWU core curriculum requires a minimum of 6 semester credit hours in natural sciences, and there is no stated requirement for a science lab. However, many majors do require sciences with laboratory components. Students must follow the requirements of their majors in selecting science courses and labs.

When a science course has a laboratory as a co-requisite, students must enroll in both the lecture and the lab course simultaneously. Students who withdraw from a lecture course, must also withdraw from the co-requisite lab course. Students who pass a 3 semester credit hour lecture course, have met 3 semester credit hours of the natural science requirement for the core curriculum. However, if they withdraw from or fail the lab course, they have not met a departmental/ major requirement for sciences with a lab. The laboratory course may be repeated separately from the lecture course if the lecture course was passed. Likewise, the lecture course may be repeated separately if the lab course was passed.

Curriculum for Undeclared Majors

First-time-in-college students who have not declared a major should take the courses in the required core curriculum. Students may delay declaring a major until they have completed 30 semester credit hours; however, some majors require students to select specific courses among the approved core courses. When students have decided upon a major, they must submit a Change of Undergraduate Major (http://www.twu.edu/registrar/forms.asp) form to the Registrar's Office (http://www.twu.edu/registrar/default.asp).

2016-2017 TWU Core Curriculum Courses

NOTE: Non-core courses may not be substituted for core courses by rule of the Texas Higher Education Coordinating Board (http://

www.thecb.state.tx.us/index.cfm?objectid=4314F6E8-09B2-DE98-7F25A72DE6CF7FF1).

Global Perspectives (GP) designation indicates this course satisfies TWU's global perspectives graduation requirement.

(10) Communication (6 semester credit hours required)

TWU Course		TCCNS
ENG 1013	Composition I	ENGL 1301
ENG 1023	Composition II	ENGL 1302

(20) Mathematics (3 semester credit hours required)

TWU Course		TCCNS
MATH 1013	Financial and Quantitative Literacy	MATH 1332
MATH 1023	Introduction to Mathematics II	MATH 1333
MATH 1303	Elementary Analysis I	MATH 1314
MATH 1313	Elementary Analysis II	MATH 1316
MATH 1703	Elementary Statistics I	MATH 1342
MATH 1713	Elementary Statistics II	
MATH 2014	Calculus I	MATH 2413

(30) Life & Physical Sciences (6 semester credit hours required)

TWU Course		TCCNS
BACT 1003	Microbiology	BIOL 2320
BIOL 1013	Human Biology	
BIOL 1023	Environmental Biology	BIOL 2306
BIOL 1113	Principles of Biology	BIOL 1306
BIOL 1123	Principles of Biology II	BIOL 1307
CHEM 1013	Introductory Chemistry	CHEM 1305
CHEM 1023	Intro to Organic & Physiological Chem.	CHEM 1307
CHEM 1113	Chemical Principles I	CHEM 1311
CHEM 1123	Chemical Principles II	CHEM 1312
CHEM 1213	Chemical Principles I	
CHEM 1223	Chemical Principles II	
PHYS 1133	Principles of Physics	PHYS 1301
PHYS 1143	Principles of Physics II	PHYS 1302
PHYS 2153	General Physics	PHYS 2325
PHYS 2163	General Physics II	PHYS 2326
SCI 1114	General Physical Science	PHYS 1415
SCI 1123	General Life Sciences	
SCI 2103	Environmental Chemistry: Global Perspectives (GP)	
SCI 2113	Earth Science I	GEOL 1301
ZOOL 2013	Human Anatomy & Physiol. I	BIOL 2301
ZOOL 2023	Human Anatomy & Physiology II	BIOL 2302
ZOOL 2033	Human Anatomy & Physiology III	

(40) Language, Philosophy, & Culture (3 semester credit hours required)

TWU Course		TCCNS
DRAM 2503	Modern Drama	
ENG 2013	English Literary Masterpieces	ENGL 2322
ENG 2033	American Literary Masterpieces	ENGL 2326
ENG 2043	World Literary Masterpieces	ENGL 2332
ENG 2053	World Literary Masterpieces	ENGL 2333
ENG 2153	Introduction to Literature	ENGL 2326
ENG 2073	Mythology	
PHIL 1023	Introduction to Philosophy	PHIL 1301
PHIL 2033	Logic and Critical Thinking	PHIL 2303
PHIL 3053	Ethics	PHIL 2306
PHIL 3073	Bioethics	
PHIL/WS 3083	Ethics and Feminism	
PHIL/WS 3193	Women & Western Religions	
WS 2013	Gender and Social Change (GP)	

(50) Creative Arts (3 semester credit hours required)

TWU Course		TCCNS
ART 2403	Western Art History I	ARTS 1303
ART 2413	Western Art History II	ARTS 1304
ART 2713	Understanding the Arts: Visual Arts	ARTS 1301
ART 3053	Global Perspectives in Art (GP)	
DNCE 2143	Dance and Globalization (GP)	DANC 1305
DNCE/WS 2383	Gendered Images in Dance Performance	
DNCE 2393	Understanding the Arts: Dance	DANC 2304
DNCE 3373	Art, Dance, & Film	
DRAM 2493	Understanding The Arts: Drama	DRAM 1310
MU 2713	Understanding the Arts: Music	MUSI 1306
MU 2813	American Roots Music	
MU/WS 3703	Women In Music	

MU 3713	Music and World Cultures	

(60) American History (6 semester hours required)

TWU Course		TCCNS
HIST 1013	History of United States: 1492 to 1865	HIST 1301
HIST 1023	History of United States: 1865 to present	HIST 1302

(70) Government/Political Science (6 semester hours required)

TWU Course		TCCNS
GOV 2013	U.S. Government	GOVT 2305
GOV 2023	Texas Government	GOVT 2306

(80) Social/Behavioral Sciences (3 semester credit hours required)

TWU Course		TCCNS
ECO 1013	Principles of Microeconomics	ECON 2302
ECO 1023	Principles of Macroeconomics	ECON 2301
PSY 1013	Introduction to General Psych.	PSCY 2301
SOCI 1013	Introduction to Sociology (GP)	SOCI 1301
SOCI 1023	Current Social Problems	SOCI 1306

Component Area Option (6 semester credit hours required)

(90) Multicultural Women’s Studies (3 semester credit hours required)

TWU Course		TCCNS
ART/WS 3343	Women in the Visual Arts	
DNCE/WS 2383	Gendered Images in Dance Performance	
DRAM 3103	Gender, Theater, and Performance	
EDUC/WS 2703	Gender and Education	
ENG/WS 2393	Introduction to Literature by Women	
GOV/BUS/WS 3393	Law for Women	
HS/WS 3133	Perspectives on Women's Health	
MATH/WS 2053	Women and Minorities in Science, Technology and Engineering	
MU/WS 3703	Women in Music	
NURS 3143	Multicultural Women's Health	
PHIL/WS 3083	Ethics and Feminism	
PHIL/WS 3193	Women & Western Religions	
PSY/WS 3733	Psychology of Women	
SOCI 1413	Culture, Inequality and Self	
SOCI 3093	Racial and Ethnic Groups	
SOCI/WS 3213	Women's Roles	
WS 2013	Gender and Social Change: An Introduction to Multicultural Women's Studies	
WS 2033	Womanist Spiritual Activism	
WS 3023	U.S. Women of Color	

(91) First Year Seminar, Mathematics, or Wellness (3 semester credit hours required)

TWU Course		TCCNS
UNIV 1231	Learning Frameworks	EDUC 1100
MATH 1013	Financial and Quantitative Literature	MATH 1332
MATH 1023	Introduction to Mathematics	MATH 1333
MATH 1303	Elementary Analysis I	MATH 1314
MATH 1313	Elementary Analysis II	MATH 1316
MATH 1703	Elementary Statistics I	MATH 1342
MATH 1713	Elementary Statistics II	
MATH 2014	Calculus I	MATH 2413
DNCE 2162	Wellness Through Movement	
KINS 1901	Personal Fitness: Health and Wellness	PHED 1164
KINS 1902	Fitness & Health: Enhancing Personal Wellness	PHED 1238
MU 1112	Music and Wellness	
PSY 1082	Psychology of Adjustment	
WS 2033	Womanist Spiritual Activisim	

Transfer of Credits

Current Students Transferring Credits to TWU

Currently enrolled TWU students taking one semester of coursework at another higher education institution and transferring the semester credit hour(s) into their current TWU degree plan, should request an official transcript from the other higher education institution be sent

directly to the Office of Admissions Processing (http://www.twu.edu/admissions-processing) for evaluation and TWU transcript update.

Core Curriculum Transfer Policy

Texas Legislature requires that every institution of higher education adopt a core curriculum of no more than 42 semester credit hours which is consistent with the Texas Common Course Numbering System (TCCNS) and the statement, recommendations, and rules issued by Texas Higher Education Coordinating Board (http://www.thecb.state.tx.us/index.cfm?objectid=417252EA-B240-62F7-9F6A1A125C83BE08).

Core-Complete Transfer Students

TWU follows the state rule which indicates that:

> If a student successfully completes the 42 hour core at an institution of higher education, that block of courses must be substituted for the receiving institution's core curriculum. A student shall receive academic credit for each of the courses transferred and may not be required to take additional core curriculum at the receiving institution.

Transfer transcripts from community colleges must include the notation "Core Complete" to ensure credit for core completion or a letter from the Registrar with the same message. Advisers may also document core completion through transcript analysis.

To assist students and advisers in determining course equivalencies between TWU and other Texas institutions, a list of equivalents for the Texas common course numbers (TCCNS Crosswalk) (p. 397) appears in this catalog. For lists of core curricula at other institutions, see the Texas General Education Core Webcenter (http://www.thecb.state.tx.us/apps/tcc).

Core-Incomplete Transfer Students

To assist transfer students who have not completed the core at another institution, TWU follows state rules below to assure that students receive credit for all core courses they bring into the University. The state core regulation states that:

> Students who transfers from one institution to another without completing the core curriculum shall receive academic credit within the core curriculum of the receiving institution for each of the courses that the student has successfully completed in the core curriculum of the sending institution. Following receipt of credit for these courses, the student may be required to satisfy the remaining course requirements in the core curriculum of the receiving institution.

As this rule indicates, students who have not completed the state core at another institution are required to complete the TWU core in the state areas that the student did not complete (communication, mathematics, life & physical science, creative arts, language, philosophy & culture; social & behavioral sciences, component area option).

Concurrently Enrolled Students

TWU follows state policy which states that, "A student concurrently enrolled at more than one institution of higher education shall follow the core curriculum requirements in effect for the institution at which the student is classified as a degree-seeking student." Therefore, if a student is a degree-seeking student at TWU and takes core courses at other institutions, the student must be sure that courses taken elsewhere are accepted equivalencies for TWU core courses.

Transfer Coursework

Academic Course Transfer

- Courses with a direct TWU equivalent are assigned the TWU course prefix and number.
- Courses with no direct TWU equivalent are assigned a generic course prefix and level (1000, 2000, 3000 or 4000), such as ART 2000.
- Classification Level of Courses – Courses will transfer to TWU at the level at which these courses were classified by the institution granting the credit, unless specified otherwise in the institutional transfer equivalency guides (http://www.twu.edu/admissions-processing/transfer-equivalency-guides.asp). Community college courses will count as lower-level courses, unless otherwise specified.
- Transfer Credit – All courses taken for academic credit from regionally-accredited colleges will transfer to TWU. Some will apply toward degree requirements and some may count as electives. Remedial or developmental courses taken in preparation for college level academic credit are not accepted. Technical or Work Force Education (WECM) courses are not accepted unless the student is pursuing a Bachelor of Applied Science (BAAS) or Bachelor of Applied Science (BAS) and/or the courses have been approved for use by the receiving academic unit.
- Regionally-accredited four-year institutions – There is no maximum number of semester credit hours transferred from four-year institutions; however, students must observe the TWU residency requirement for graduation. Additional charges (http://www.twu.edu/undergraduate-studies/excess-hours.asp) may be applied for semester credit hours taken in excess of those required for the selected degree program.
- Unaccredited or non-regionally accredited institutions – Courses taken at such institutions will be evaluated independently.
- Repeated Courses – If a transfer course has been taken more than once at another institution, TWU will accept the best grade awarded to the student for that course. (Individual academic programs with a separate admissions review process may have a different practice for repeated courses.)
- Confirming Transferable Coursework
  a. Upon acceptance to TWU, students may view their transfer work and unofficial transcript through Webadvisor.
  b. No undergraduate coursework taken as part of a B.A. or B.S. program will be posted to the TWU transcript for students accepted as post-baccalaureate students.
  c. Application of transferable coursework to specific degree plans is at the discretion of the student's academic department.
  d. Application of transferable coursework to specific core or global perspective requirements is at the direction of the Office of Undergraduate Studies and Academic Partnerships.
- Re-evaluate Transferability – Texas Woman's University reserves the right to re-evaluate the transferability of specific courses offered by other institutions, and to amend the University course and/or program offerings without prior notice. Check the TWU

Transfer Admissions (http://www.twu.edu/admissions/transfer) website for the most up to date information on transfer credit policies (http://www.twu.edu/admissions/transfer/transfer-equivalency-policies).

- Final Equivalency Determination – Final determination of course equivalences resides with the academic department most aligned with the transfer course.

Workforce Course Transfer

- Courses defined as workforce education (Workforce Education Course Manual (http://www.thecb.state.tx.us/aar/undergraduateed/workforceed/wecm/default.cfm?CFID=24810813&CFTOKEN=45848301) - WECM), technical or vocational, are not transferable to a B.S. or B.A. degree program, unless specifically approved by the appropriate academic department.
- Workforce courses may be transferred as a block of credit to specific degrees, such as the B.A.S. (Bachelor of Applied Science) degree, with the appropriate departmental approval.
- Students entering a B.A.S. program may change to a B.S. or B.A. program by reapplying to the University. In this case, the workforce credit will be re-evaluated and amended on the transcript to include the possibility of removing all WECM credit.

Military Credit

- TWU follows the recommendations of the American Council on Education's ACE Guide to the Evaluation of Education Experiences in the Armed Services.

Non-Transferrable Courses

- College preparatory course work in remedial math, reading, and writing, or courses equivalent to developmental TWU courses, are not transferable, and do not satisfy college-level requirements at TWU. Successful completion of developmental courses may be used to establish readiness for college-level courses.
- Courses in college transition/student success are not transferable to TWU, unless they satisfy a Texas core curriculum area for another Texas public institution.
- TWU does not accept life or work experience for college credit.

Information related to the state-approved Field of Study Curricula can be found on the Texas Higher Education Coordinating Board (http://www.thecb.state.tx.us/index.cfm?objectid=911FED6C-BB8D-FCDF-F1C1A57902BFB8F1) site.

The University provides support services for all transfer students including an orientation program equivalent to that provided for entering first year students.

Transfer Dispute Policy

Matters of transfer dispute are managed by the Office of Undergraduate Studies and Academic Partnerships. Texas Woman's University observes the following state regulation:

Rule 4.27 Resolution of Transfer Disputes for Lower-Division Courses.

Academic Policies

Academic Classification of Students

According to the number and type of semester credit hours completed, students are classified as freshmen, sophomores, juniors, seniors, post-baccalaureate, master's, and doctoral students. A full-time undergraduate student is one carrying twelve semester credit hours or more in fall or spring; three semester credit hours in Summer I; six semester credit hours in Summer Session II or III; or twelve semester credit hours in the long Summer Session.

When a student transfers from another college or university, classification is determined by the number of semester credit hours accepted for transfer.

FRESHMAN: has completed 0-29 semester credit hours.
SOPHOMORE: has completed 30-59 semester credit hours.
JUNIOR: has completed 60-89 semester credit hours.
SENIOR: has completed 90 or more semester credit hours but who has not graduated.
POST-BACCALAUREATE: has earned the baccalaureate degree and is taking only undergraduate courses. Post-baccalaureate status prevents the enrollment in any graduate course and under no circumstances will post-baccalaureate work be counted as graduate work.
MASTER'S DEGREE STUDENT: has earned the baccalaureate degree and has been accepted in a master's level program.
DOCTORAL STUDENT: holds the master's degree or its equivalent and is seeking the doctoral degree.

Academic Load Rules and Enrollment Certification

Enrollment verification and loan deferments are completed in the Registrar's Office (http://www.twu.edu/registrar) and are based upon a student having registered and paid tuition and fees according to the following course load rules:

Undergraduate Level

Fall & Spring	
Full-time	12 semester credit hours
Half-time	6-11 semester credit hours
Less Than Half-time	1-5 semester credit hours
Summer 1 (3 week term)	
Full-time	3 semester credit hours
Half-time	2 semester credit hours
Less than half-time	1 semester credit hour
Summer 2/3 (5 week terms)	
Full-time	6 semester credit hours
Half-time	3-5 semester credit hours
Less than Half-time	1-2 semester credit hours
Summer (10 week term)	
Full-time	12 semester credit hours
Half-time	6-11 semester credit hours
Less than Half-time	1-5 semester credit hours

Student teaching and internships will be certified as full-time if enrolled in six or more semester credit hours, and half-time if enrolled in 3-5 semester credit hours.

Only TWU enrolled semester credit hours can be certified by the TWU Registrar's Office (http://www.twu.edu/registrar). Concurrently enrolled semester credit hours at a different institution must be certified separately by that institution.

Academic Major

An academic major is an approved group of courses leading to a bachelor's degree in an academic discipline. All groups of courses leading to degrees assume four or more years of study. Each group includes a major subject, consisting of 30 or more semester credit hours, one-half of which must be at the 3000 or 4000 level. The major subjects are listed in the chart at the beginning of the catalog and under the departmental sections of this catalog. A minimum of a 2.0 grade point average (GPA) must be maintained in major courses; a higher GPA may be required by the department. Half of the upper level courses planned for the major must be taken at TWU (residency requirement). Degree plans list all requirements for the majors. See respective departments for academic programs.

Students wishing to pursue more than one major should indicate both majors on the Change of Undergraduate Academic Program (http://twu.edu/downloads/registrar/Change_of_Undergraduate_program.pdf) form. In order to avoid accumulating excess semester credit hours resulting in a higher tuition, students should notify the Registrar's Office (http://www.twu.edu/registrar) and the Office of Undergraduate Studies and Academic Partnerships (http://www.twu.edu/undergraduate-studies) of the total number of semester credit hours they will be completing for both majors. For graduation requirements regarding double majors and dual degrees, please see the Graduation Requirements (p. 55) section of this catalog.

Academic Minor

An academic minor is an approved group of courses or number of courses required for focused study in an academic discipline. A minor includes a minimum of 6 semester credit hours at the upper level. The academic minor is not a University-wide requirement. Academic units may establish or abolish a minor requirement for their students. The major and minor subjects must be chosen from separate departments except in the Departments of Visual Arts; Biology; Business and Economics; Communication Sciences and Disorders; History and Government; English, Speech, and Foreign Languages; Fashion; Mathematics and Computer Science; and Sociology and Social Work. Degree plans list requirements for the minors; see deparmental academic programs. Half of the upper level courses planned for a minor must be taken at TWU (residency requirement). Interdisciplinary minors are listed below in this section. See academic departments for for degree plans.

Course Numbers

Each course offered by the University is assigned a four-digit number. The first digit indicates the level (year) at which the course is offered; the fourth digit reflects the number of semester credit hours assigned to the course. In indicating the level or year of the course, 1 is used for freshman, 2 for sophomore, 3 for junior, 4 for senior, and 5 and 6 for graduate.

For example, the course ENG 1013 is a freshman-level course (first digit) which carries three semester credit hours' credit (fourth digit). The two middle digits (second and third) simply identify it as a specific course in the Department of English, Speech, and Foreign Languages. The number in parenthesis to the right of the TWU course number and long title is the course number assigned for the Texas Common Course Numbering System (http://www.tccns.org) (TCCNS), a designation used only for undergraduate courses.

Academic Standing

Good Standing

Undergraduate students who meet or exceed the minimum academic standards specified for the number of attempted hours are considered to be in good academic standing at the University. The academic standing of undergraduate students is determined by the cumulative grade point average. It is determined at the close of the fall, spring, and summer semesters. The total number of semester credit hours attempted at Texas Woman's University and all semester credit hours included in transfer from other institutions of higher education will be included in determining the cumulative grade point average (GPA). The minimum cumulative grade point average required for students to remain in good academic standing is outlined below.

Classification (based on total number of attempted semester credit hours eared at TWU and in transfer)	Minimum Cumulative Grade Point Average
0-29 semester credit hours	1.8
30 and above semester credit hours	2.0

Academic Probation

Students who fail to maintain academic good standing are placed on academic probation or suspension. Academic standing is determined based on cumulative GPA at the end of the fall, spring, and summer semesters as outlined in the table above. Students previously in good academic standing who fail to achieve the minimum cumulative GPA for their number of attempted hours will be placed on academic probation. Students placed on academic probation may enroll any following semester, and are required to meet with an advisor before registering. If, upon enrolling, the student achieves the minimum cumulative GPA for their number of attempted hours, the student is then returned to good academic standing. If the student does not attain that minimum, but does earn a semester GPA of at least 2.0 on six or more semester credit hours, the student is on continued probation.

For summer, the six or more semester credit hours can be in any combination of the summer terms. Students will not be placed on probation at the end of the summer term who were not previously on probation entering the term. However, summer work that raises the cumulative GPA above the minimum will return the student to good academic standing.

A student on probation may not apply for graduation.

Academic Suspension

Students previously on academic probation who fail to achieve the minimum cumulative GPA for their number of attempted hours or who are not continued on probation as just described, are placed on

academic suspension. Students will not be suspended at the end of a summer term who start the term on probation, but the probation status will remain for the following fall term if the summer work fails to improve the GPA to the minimum needed for good academic standing. For the purpose of suspension, summer is not considered a long term.

- Students placed on academic suspension for the first time may not enroll at TWU for the next long term (fall or spring).
- Students placed on academic suspension for the second time may not enroll at TWU for the next two long terms (fall or spring).
- Prior to enrollment after a suspension period, students must file an approved Suspension Recovery Plan with Undergraduate Studies (students who have not been enrolled at TWU for one year will need to reapply to the university).
- Students unable to meet the requirements outlined in the second Suspension Recovery Plan may not enroll at TWU for a period of two years; after which they may reapply to the University.

Financial Aid eligibility is suspended for students on academic suspension.

Summer Suspension Recovery

Students placed on first or second suspension are encouraged to enroll in summer courses to bring their GPA to the 2.0 required for enrollment in the following fall semester. Eligibility to enroll in TWU summer courses requires a cumulative GPA of 1.0 or higher.

Undergraduate Student Reinstatement

Students are eligible to re-enroll at the conclusion of the required suspension period. Students returning will be placed on academic probation and are required to file a Suspension Recovery Plan with the Office of Undergraduate Studies which may impose conditions regarding specific courses for enrollment, course load limits, tutoring requirements, etc.

It is not possible for students on academic suspension to shorten the suspension period by submitting work early that has been completed at another institution during the suspension period. Coursework completed at another institution during suspension may be applied to the cumulative GPA; however, submission of this coursework to the university will not affect the length of the suspension period.

Academic Recognition

Chancellor's List

Based on a term grade point average of 4.0 in a fall or spring semester, undergraduate students who complete at least 12 graded TWU semester credit hours (excluding courses with pass/fail) are eligible for the Chancellor’s List in recognition of their excellence in academic work. Students are notified of this honor by the Office of the Chancellor (http://www.twu.edu/chancellor).

Dean's List

Based on a term grade point average of 3.5 - 3.99 in a fall or spring semester, undergraduate students who complete at least 12 graded TWU semester credit hours (excluding courses with pass/fail) are eligible for the Dean’s List in recognition of their excellence in academic work. Students are notified of this honor by the Dean of the college in which their selected academic program resides.

Class Attendance

Consistent class attendance is vital to academic success and is expected of all students. Grades are determined by academic performance, and instructors may give students written notice that attendance related to specific classroom activities is required. Absences do not exempt students from academic requirements. Excessive absences, even if documented, may result in a student's failing the course. Excused absences are within the purview of the instructor. Students must consult with instructors regarding make-up work.

Grades and Grade Points

The number of grade points given for each grade earned by a student is determined as follows:

Grade A	4 times as many grade points as semester credit hours.
Grade B	3 times as many grade points as semester credit hours.
Grade C	2 times as many grade points as semester credit hours.
Grade D	1 time as many grade points as semester credit hours.
Grade F	No grade points. Semester credit hours are counted; thus the grade is punitive.
Grade W	No grade points. Does not count toward 6-drop limit.
Grade W&	No grade points. Counts toward 6-drop limit.
Grade WF	No grade points. Semester credit hours are counted; thus the grade is punitive. Does not count toward 6-drop limit.
Grade I	No grade points.
Grade CR	Credit for semester credit hours earned, but no grade points.
Grade PR	No semester credit hours or grade points.
Grade X	No grade points, non-punitive.
Grade DA	Developmental A, no grade points.
Grade DB	Developmental B, no grade points.
Grade DC	Developmental C, no grade points.
Grade DF	Developmental F, no grade points.

Grades are interpreted as: A, Excellent; B, Good; C, Average; D, Inferior but passing; F, Failure; CR, Credit; PR, In Progress (normally used for thesis, professional paper, or dissertation); I, Incomplete; W, Withdrew from the course without penalty; WF, Withdrew from the course while failing; X, no credit due to tuition deficiency. The letters “REP” following the grade indicate repeated course work for the exact same course. The letters “MAN” following the grade indicate repeated course work manually processed for a course deemed equivalent by the academic unit. The higher grade is counted for repeated coursework.

Incomplete (I) grade is appropriate only when a student has passing grades in 2/3 of assigned work, but, because of extenuating circumstances, cannot complete all of the course work by the end of the semester/term. Extenuating circumstances include:

1. Incapacitating illness which prevents a student from attending classes;
2. A death in the immediate family;
3. Change in work schedule as required by an employer; or
4. Other emergencies deemed appropriate by the instructor.

A grade of Incomplete should not be requested nor given for lack of completion of work because of procrastination or dissatisfaction with the grade earned.

Under the conditions above, the student may petition the instructor for time beyond the end of the semester/term to finish the course work. The instructor, the student, and the department chair (or equivalent) of the academic department in which the course is offered must fill out and sign the form Application for Grade of Incomplete (http://www.twu.edu/downloads/registrar/incomplete.pdf). If laboratory or clinical work remains to be completed, the department or program must certify that the student can successfully complete such work by the assigned completion dates.

Specific arrangements to remove the grade of Incomplete must be made between the instructor and the student. The instructor will also specify that, if the work is not completed by the assigned time, a grade of B, C, D, or F will replace the Incomplete on the student's transcript. If the instructor fails to provide a default grade, the incomplete grade will automatically change to an F after one calendar year. If the student completes the required work by the assigned completion date, the instructor will submit the new grade to the Office of the Registrar (http://www.twu.edu/registrar/default.asp). The maximum time allowed to finish the course work is one calendar year. In most instances, the work to be completed should be finished within the first several weeks following the end of the semester/term in which the Incomplete was given.

NOTE: No student may graduate with a grade of Incomplete even if the "I" is in a course unrelated to the degree plan.

Any extension past one academic calendar year will require written approval submitted to the Office of the Registrar (http://www.twu.edu/registrar/default.asp) from the instructor, department chair, and the dean or director of the academic unit in which the course was offered.

Incomplete work cannot be finished by repeating the class. If such an option is preferred, the student should accept the grade earned and re-enroll in the course in the expectation of earning a better grade. The higher grade will be calculated in the GPA. Any exceptions to these regulations which describe the use of the grade of Incomplete require the approval of the instructor, the department chair (or equivalent), and the dean or director of the academic unit in which the course was offered.

Review of Complaints and Appeals, Including Grade Appeals

Texas Woman's University is committed to the fair treatment of all students who have academic/administrative complaints and appeals. The University has traditionally guaranteed students every opportunity for a fair, prompt, and thorough review of complaints and appeals.

The specific review procedures for each type of complaint or appeal (http://www.twu.edu/academic-affairs/academic-complaints-appeals.asp) are outlined on the Academic Affairs website (http://www.twu.edu/academic-affairs) where the form for complaints and appeals is also found.

A *complaint* is a dispute concerning some aspect of the student's academic status arising from an administrative or faculty decision that the student regards as incorrect or unjust.

An *appeal* is a request to a person or authority for a decision to resolve a complaint.

Complaints or appeals at each level must be made in writing no later than ten class days after the date of the decision at the previous level unless otherwise stipulated in state or federal law. The ten days for appeals at each level do not include weekends, holidays, or days between academic sessions. The faculty member or administrator receiving the complaint or appeal will respond (acknowledging receipt of complaint or appeal) within ten class days not including weekends, holidays, or days between academic sessions. The review and decision may require a longer period of time. Administrators may appoint an *ad hoc* committee to hear the appeal of the student and submit a report to the administrator.

Grade appeals utilize the same process and forms as other complaints and appeals. Appeals must begin with the faculty no later than 10 class days after the grade is awarded. If the student wishes to appeal further, the appeal procedures (http://www.twu.edu/academic-affairs/academic-complaints-appeals.asp) will guide the process. All grade changes must be made through the Office of the Registrar within one year of the original grade assignment.

It is the intention of the University to provide students who have complaints and appeals with adequate internal review and to begin resolving them promptly at the level at which the complaint or appeal originated. Students should follow university procedures and deadlines to advance a complaint or appeal as needed. The University expects students to initiate complaint or appeal procedures with the appropriate individual or office and follow university procedures to completion before seeking external consideration. Procedures designate the office which makes the final decision on each type of academic complaint or appeal.

Dropping a Course

A student can drop a course online through WebAdvisor (https://portal.twu.edu/default.asp) until the end of Late Registration for the term. Once Late Registration is over and before the term's census date, a student must either submit a signed Add/Drop form to the Registrar's Office (http://www.twu.edu/registrar) or submit a drop request online utilizing the Online Drop Request (https://workflow.twu.edu/sites/registrar/sitepages/registrationform.aspx). After the census date, the Add/Drop form (http://www.twu.edu/registrar/forms.asp) must include the instructor signature prior to being submitted to the Registrar. The online request will automatically be routed to the instructor for approval before it will be processed.

Course drops processed during the first six weeks of a long term will receive an automatic W grade, which is a non-punitive grade. After

the first six weeks, the instructor will recommend either a grade of W or a grade of WF on the drop form. Failure to submit a completed and signed drop form by the published deadline will cause the student to receive an F.

Refer to the academic calendar (http://www.twu.edu/registrar/academic-calendars.asp) for drop deadlines.

Students wishing to drop all classes and withdraw from the University must initiate a formal withdrawal through the Student Life Office (http://www.twu.edu/student-life-office/withdrawal-information.asp).

There is an Add/Drop fee assessed for each drop processed after the term starts, excluding withdrawals.

Undergraduate Limit on Dropped Courses

Under section 51.907 of the Texas Education Code, "an institution of higher education may not permit a student to drop more than six courses, including any course a transfer student has dropped at another institution of higher education." This statute was enacted by the State of Texas in spring 2007 and applies to undergraduate students who enroll in a public institution of higher education as first-time freshmen in fall 2007 or later. Any course that a student drops after the census date is counted toward the six-course limit if:

1. the student was able to drop the course without receiving a grade or incurring an academic penalty;
2. the student's transcript indicates or will indicate that the student was enrolled in the course; and
3. the student is not dropping the course in order to withdraw from the institution.

For details of this policy, see the webpage of Undergraduate Studies. Undergraduates may drop a course without penalty ***before*** the census date of each regular semester. However, ***after the census date***, anyone enrolling for the first time in fall 2007 or later (at TWU or any Texas public higher education institution), are allowed only 6 unexcused drops during their undergraduate academic careers. Drops after the census day will count toward the 6-drop limit unless they are supported by timely, appropriate documentation and excused by the university review process. Drop forms are available in the Registrar's Office and require the signature of the student, instructor, and academic adviser. This does not apply when students drop all classes for the semester, withdrawing from the university.

Course Repetition

When a course is taken more than once, the grade used to compute the student's GPA is the best earned grade.

Per Texas Administrative Code §13.105, after attempting an identical course twice at TWU, a student will be charged additional tuition for all subsequent enrollments in that course. Certain exceptions to this rule may apply, such as thesis and dissertation courses, independent study, and special topic or seminar courses. In addition, certain courses may be exempt because they involve different or more advanced course content each time they are taken, such as individual music lessons or performances.

An attempted course is one in which the student is enrolled in as of the official census date for that term.

Withdrawal from the University

Any student who finds it necessary to withdraw from all semester credit hour classes must formally withdraw through the Office of Student Life (http://www.twu.edu/student-life-office/default.asp) on the Denton campus or the Student Life Coordinator on the Dallas or Houston campus. The effective date of withdrawal is the day upon which the completed Request for Withdrawal Form (http://www.twu.edu/student-life-office/forms.asp) is received from the student and approved by the Student Life Office.

Withdrawal requests must be submitted by the withdrawal deadline for the term in which the student seeks to withdraw, as posted in the term's academic calendar (www.twu.edu/academics). A student who withdraws on or up to the census day of a term as listed in the academic catalog will have no record of course work on the transcript. A student who withdraws after the census day and before the last day to drop without penalty would receive a grade of "W," regardless of the reason to withdraw. After the last date to withdraw without penalty, the grade of "WF" is assigned, unless the student withdraws for medical reasons or a "W" is recommended by the instructor.

Students Called to Active Duty

Texas Education Code 54.006 (f) indicates, "Beginning with the summer semester of 1990, if a student withdraws from an institution of higher education because the student is called to active military service, the institution, at the student's option, shall:

1. refund the tuition and fees paid by the student for the semester in which the student withdraws;
2. grant a student, who is eligible under the institution's guidelines, an incomplete grade in all courses by designating 'withdrawn-military' on the student's transcript; or
3. as determined by the instructor, assign an appropriate final grade or credit to a student who has satisfactorily completed a substantial amount of course work and who has demonstrated sufficient mastery of the course material."

A student called to active duty has the following three options:

1. withdrawal with a full refund of eligible tuition and fees;
2. incomplete grades with a deadline for completion of one year after the end of the active duty assignment; and/or
3. a final grade if the material was sufficiently mastered, as determined by the instructor.

Students should meet with their instructor to decide if an Incomplete or final grade is warranted.

Eligible students under this provision must produce a copy of his or her military orders.

Graduation Requirements

Graduation Planning

Degrees are conferred three times each year, at the close of the fall and spring semesters and at the close of summer sessions. Commencement ceremonies are held in May and December in Denton and Houston.

Degree Plan Deadline: **At least one year before the intended semester of graduation** any student planning to graduate must submit an Undergraduate Degree Plan Verification Form (http://twu.edu/registrar/forms.asp) , signed by their advisor, to the Registrar's Office.

Application Deadlines for Graduation: A student must apply to graduate online through the Pioneer Portal (https://portal.twu.edu/default.asp) by the published deadline, which is the census date of the graduating term. (See the academic calendar (http://twu.edu/registrar/academic-calendars.asp) and the Registrar's website (http://www.twu.edu/registrar) for specific deadlines.) All undergraduate applicants must have earned at least 90 semester credit hours and be in good academic standing on the application deadline date.

Students are urged to check that their Degree Plan Evaluation (available through WebAdvisor (https://webadvisor.twu.edu/WebAdvisor/WebAdvisor?TYPE=M&PID=CORE-WBMAIN&TOKENIDX=7447296094)) shows completion or in progress on all requirements prior to applying for graduation. A non-refundable graduation application fee of $40.00 will be charged at the time of application.

Application Roll-Over

TWU will allow a student to move their graduation application forward to the next term once without paying a new graduation application fee. A Request to Change Graduating Term (http://twu.edu/downloads/registrar/request_gradterm_change.pdf) form must be submitted to the Registrar's Office (http://www.twu.edu/registrar) by the published deadline, typically six weeks from the end of the long term and four weeks from the end of the summer term (see academic calendar for specific deadlines).

Grade Point Requirements

A graduating senior must have at least an overall 2.0 in all coursework, a 2.0 in TWU coursework, and 2.0 in major, minor, and core courses by the beginning of the intended semester of graduation. A course that has been repeated is counted only once, and the higher grade is counted for repeated coursework in determining grade points accumulated. Transcripts and diplomas are withheld if the student is indebted to the University.

Credit-by-examination courses will not be considered in computing the grade point average to determine eligibility for graduation. A course in which the student has made a grade of F cannot be repeated by correspondence for credit. The Office of the Registrar keeps an accurate record of the number of semester credit hours each student has earned.

Residency Requirements

1. A minimum of 25% of the semester credit hours must be at TWU.
2. At least one-half of the upper level courses in the major and at least one-half of the upper level courses in the minor must be completed at the University. Correspondence and credit-by-examination courses do not satisfy residence requirements for graduation.

Advanced Semester Credit Hours Requirement

A minimum of 36 advanced semester credit hours is required for any baccalaureate degree. An advanced course for a baccalaureate degree is one that is numbered 3000 or 4000.

Transfer Work Needed for Degree Completion

All transfer work required for degree completion must be received by TWU within four weeks of the end of the term for which a student has applied to graduate. Transfer work not received by this deadline, or failure to apply to have the graduation application forwarded to a future term by the rollover deadline, will require the student to reapply to graduate the following term (with a new application fee assessed).

Summary of University Requirements for the Bachelor's Degree

This catalog is designed to assist the student and academic advisor in planning and scheduling a degree program. Each student should keep in mind, however, that she or he alone is ultimately responsible for understanding and fulfilling all degree requirements. Students are responsible for their own degree plans and for the completion of all requirements for the degrees that they seek. Below are the ***minimum*** requirements for undergraduate degrees:

- Completion of core curriculum with a grade point average of 2.0 or higher
- Completion of three semester credit hours for global perspectives requirement
- Overall grade point average of 2.0 or higher
- TWU grade point average of 2.0 or higher
- Major and minor 2.0 grade point average or higher
- No grades of Incomplete on the transcript
- Successful completion of a minimum of 120 semester credit hours
- Successful completion of a minimum of 36 advanced semester credit hours
- Successful completion of a major or an approved degree program, verified in the Degree Plan Evaluation located in WebAdvisor. (https://webadvisor.twu.edu/WebAdvisor/WebAdvisor?TYPE=M&PID=CORE-WBMAIN&TOKENIDX=7447296094)
- Successful completion of residency requirements:
  - 25% of all semester credit hours required for the degree at TWU
  - half of major upper level and half of minor upper level courses at TWU
- Successful completion of comprehensive examinations where applicable

- Successful completion of all departmental, legislative, and University course requirements. See degree plans and web sites for academic programs' requirements.

Global Perspectives Graduation Requirement

Living in an interconnected global society requires an appreciation of the complexity and interdependency of world events and issues. Undergraduate education at TWU aims to broaden students' perspectives, expand the boundaries of their conversations, and provide them opportunities to recognize and understand other worldviews. To meet this goal, all undergraduates who enroll at TWU must complete a global perspectives requirement. A global perspective refers to skills, knowledge, and attitudes in areas such as global dynamics, non-western worldviews, international systems and events, and global cultures. To meet this requirement, students may either complete three (3) semester credit hours of courses that have been approved for global perspectives, complete a major in which the global perspective competencies are integrated across the curriculum and is approved for global perspectives designation, or complete global perspectives approved courses in international study or independent study. These methods of achieving global perspectives may be combined when appropriate, and students will be encouraged to pursue as many opportunities as their degree programs allow. Courses approved for global perspectives are indicated on departmental degree plans with the designation (GP), are listed on the Undergraduate Studies and Academic Partnerships (http://www.twu.edu/undergraduate-studies/approved-global-perspectives-courses.asp) website, and may be identified online in the Course Search through Webadvisor (https://webadvisor.twu.edu/WebAdvisor/WebAdvisor?TOKENIDX=2193139552&type=M&constituency=WBST&pid=CORE-WBST).

Double Major

Students may earn a degree with a double major by completing all requirements set forth by each major. To qualify as a double major, both majors must be the same degree type (BA, BS, BBA, etc.) and be awarded in the same semester. Two majors that do not share a common degree type constitute two separate degrees (see *Second Baccalaureate Degree* requirements). If a student in pursuit of a double major chooses to graduate with one major before completing both, the student will have to reapply to the institution to pursue a second baccalaureate degree (see *Second Baccalaureate Degree* requirements).

Students earning a degree with a double major will receive a single diploma listing the degree (Bachelor of Arts, Bachelor of Science, etc.) with both majors. The academic transcript will show a single degree posting with both majors listed.

Second Baccalaureate Degree Conferred at the Same Commencement

In departments where the Bachelor of Arts and the Bachelor of Science degrees are awarded in the same field, a student completing the prescribed courses in one of the majors and earning a minimum of 135 semester credit hours, 42 advanced hours, and all the requirements of the second baccalaureate degree may receive both degrees at the same commencement.

When a second baccalaureate degree is desired in a field other than that covered by the first degree, the student must earn a minimum of 30 additional semester credit hours, including 12 advanced hours in the second field, and must meet all catalog requirements for the second degree.

Second Baccalaureate Degree

When an additional baccalaureate degree is desired in a field other than that covered by the first degree, the student must meet all the catalog requirements for the second major. A student who pursues an additional bachelor's degree must:

- hold a valid bachelor's degree from an accredited college or university,
- complete a minimum of 30 additional semester credit hours in residence at TWU, including half the major or a minimum of 15 advanced hours; and
- complete the state-mandated credits in history and government if they were not completed for the first degree.

Courses taken for prior baccalaureate degrees may be used for the next degree except for the required 30 additional semester credit hours. These degree requirements apply to students holding a baccalaureate degree from TWU or other accredited institution.

Senior Registration for Graduate Studies

In the last semester of their undergraduate degree program at TWU, students who are within 12 semester credit hours of a baccalaureate degree will be permitted to register for courses which may be applied toward meeting the requirement for the master's degree, provided that the total registration does not exceed 16 semester credit hours and proper application is made to the Dean of the Graduate School before registering for such courses. Students must have filed a degree plan and a Proof of Eligibility form with the Office of the Registrar before enrolling in graduate-level courses.

No work completed by an undergraduate student shall apply to a graduate degree, except for the work completed by seniors as provided for in this section. No work which is regularly a part of an undergraduate program shall apply toward a graduate degree, except for Texas Woman's University seniors who have made special application at the time of registration for graduate credit for certain specific courses to be applied toward a graduate program approved by their major department and by the Dean of the Graduate School.

Graduation Honors Recognition

Graduating seniors whose cumulative grade point average (GPA) reflects excellent scholarship are awarded their degree cum laude, magna cum laude, or summa cum laude. A minimum of 30 semester credit hours must be earned at TWU before the final semester to qualify for this recognition. The cumulative GPA ranges for these graduation honors designations are listed below.

Summa Cum Laude	3.900 and above
Magna Cum Laude	3.700 - 3.899

Cum Laude	3.500 - 3.699

Graduation honors recognition at the commencement ceremony is based on the cumulative GPA at the end of the semester prior to the final semester. Graduation honors recognition as recorded on the diploma or posted to the official transcript is based on the cumulative GPA at the end of the final semester.

Transcript Requests

In accordance with the TWU FERPA policy (http://www.twu.edu/Policy/default.asp) (Family Educational Rights Privacy Act), transcripts can only be released to the student or to a third party upon signed, written authorization of the student, except in certain situations prescribed by Federal law. All financial and administrative obligations to the University must be met before an official TWU transcript (http://www.twu.edu/registrar/transcript-request.asp) will be released. Official transcripts (http://www.twu.edu/registrar/transcript-request.asp) will show all TWU work and only a summary of transfer credit by institution. Unofficial transcripts will show an itemized listing of TWU and transfer courses. Transcripts reflecting the official academic record from other institutions must be ordered from the original institution.

There is no charge for an unofficial transcript. There is a $10.00 charge for each copy of an official transcript. Official transcripts (http://www.twu.edu/registrar/transcript-request.asp) ordered through the online ordering system will incur an additional transaction/convenience fee. Other services such as electronic and express delivery will be charged additional fees based on the service requested. Transcript orders may take up to 5 business days to complete, although most will be processed within 48 hours of receiving the completed request. Peak times and account holds may delay processing beyond the 5 business days.

Students wishing to have a transcript order not processed until after the posting of grades or a degree should indicate this at the time the order is placed.

Changing Name and Other Personal Information

To change or correct personally identifiable information in academic records, students should submit the Student Information Changes (http://www.twu.edu/downloads/registrar/infochange.pdf) form available in the Registrar's Office (http://www.twu.edu/registrar/default.asp) on any TWU campus. All changes will require at a minimum the student signature, TWU student ID number, and a copy of at least one or more government-issued photo ID's. Name and Social Security Number changes will also require a copy of the new Social Security card or official court orders indicating name changes.

Requests should be sent to the following address:

Office of the Registrar
P.O. Box 425559
Denton, Texas 76204-5559
Fax: 940-898-3205

Special Opportunities & Programs

- Honors Scholar Program (p. 59)
- Internships (Cooperative Education Program) (p. 59)
- Education Abroad (p. 60)
- Auditing Courses (p. 60)
- Pre-professional Programs (p. 60)
- Air Force and Army ROTC Programs (p. 60)

Honors Scholar Program

Honors Scholar Program

The TWU Honors Scholar Program exists to provide talented and motivated students with an enriched learning environment. Students accepted into the program and who complete the requisite number of honors courses graduate as “Honors Scholars” and receive medallions at commencement. The diplomas and transcripts of these students also indicate that they are honors graduates. Honors Scholars also enjoy social, cultural, and service opportunities through the Athenian Honor Society and are eligible to live in honors housing. Applications for admission to the program are available from the Office of Honors Programs (http://www.twu.edu/honors) office in room 104 of Stoddard Hall or by calling 940-898-2337.

Touchstone Honors Program

The TWU Touchstone Honors Program exists to provide talented and motivated transfer students and continuing TWU students with an enriched learning environment. Students accepted into the Touchstone Program work to complete requirements in four key pillars of achievement. Upon completion of the program, students receive an honor cord, pin, and award. Touchstone students also enjoy cultural, volunteer, and professional development opportunities through the Touchstone Program. Applications for admission to the program are available from the Office of Honors Programs (http://www.twu.edu/honors) office in room 104 of Stoddard Hall or by calling 940-898-2337.

Internships / Cooperative Education Program

Internships/Cooperative Education is a program of learning which combines classroom study with practical work experience outside the formal academic setting. Many academic programs at TWU provide undergraduate and graduate students the opportunity to participate in such activities. Upon graduation, students will have both a degree and work experience in their chosen field. For more information, contact the Pioneer Center for Student Excellence (http://www.twu.edu/pioneer-center) at 940-898-3755.

Authorization for Students Learning in Other States

In order for TWU to offer educational activities to students physically located in other states (including, but not limited to, online courses and internships) the University must obtain permission from the higher education departments of those states. Not all activities are allowed in all states. To learn more about the activities that TWU may offer in your home state, please visit the State Authorization website (http://%20twu.edu/TLT/state-authorization.asp.html).

Admission Requirements

To obtain academic credit in the Internships/Cooperative Education program, a student must:

1. have the recommendation of the student's major or minor department;
2. meet or exceed the student's departmental minimum grade point average;
3. be in academic good standing; and,
4. be available to work the number of hours per week specified for credit.

Work Schedules

Internship/Cooperative Education students can participate in part-time or full-time work while registered for classes. Each work period is of such duration (approximately 15 weeks during fall and spring semesters and 10 weeks during summer semester) that it provides sufficient opportunity to gain in-depth experience in an area related to the student's academic or career goals. The student and employer together will determine a mutually agreed upon work schedule.

Academic Credit

Academic credit is given for work in positions related to the student's major or minor courses of study. In certain situations, it is possible to receive academic credit if already employed, as long as the current position meets the requirements of the department awarding credit.

All qualified Internship/Cooperative Education programs must meet certain requirements. The program at TWU is based on the following requirements:

1. The work experience must be of sufficient duration to be a meaningful part of the student's academic program, generally the regular semester schedule.
2. Minimum standards of work performance must be maintained by the University and by the employer. The student's work must be evaluated periodically by the student, the employer, and the faculty. The credit and grade for the course is based on evaluation of the student's performance and assigned by a faculty member in the academic department.
3. At the discretion of the department, a maximum of six (6) semester credit hours can be used toward an undergraduate or graduate degree. Any other registration in Internship/Cooperative Education courses will be posted to the student's transcript and will be evaluated as hours additional to those required for the degree.
4. Recommendation for credit toward the graduate degree is made by the student's academic department.

Internships/Cooperative Education Course Description

Internship/Cooperative Education work arrangements are made between the University, business, industry, or selected institutions appropriate to the particular academic program. Work assignments are determined on the basis of student interests, skills, and degree

program. The student will apply the ideas and processes learned in other courses in practical experience under professional supervision.

Undergraduate Courses

4951. Cooperative Education.
4953. Cooperative Education.
4956. Cooperative Education.

Graduate Courses

5951. Cooperative Education.
5953. Cooperative Education.
5956. Cooperative Education.
6951. Cooperative Education.
6953. Cooperative Education.
6956. Cooperative Education.

Education Abroad

Director: *Annie Phillips*
Education Abroad Specialist: *Carolyn Becker*

Location: *Pioneer Center for Student Excellence, Room 230*
Phone: 940-898-4115
Email: educationabroad@twu.edu

TWU Education Abroad Programs (http://www.twu.edu/education-abroad) offer a variety of ways to experience cross-cultural education. Faculty-led, credit courses to other countries are offered in selected academic components throughout the University at the undergraduate and graduate levels. Some of the areas of emphasis include visual and performing arts, business, history, language, nursing, literature and comparative cultures.

In addition to the faculty-led courses, TWU provides opportunities for students to live and study for an entire summer, fall or spring session in England, Japan, France, Italy, South Africa, Spain, and other countries. Academic credit earned while participating in education abroad may be applied toward a degree program. However, coursework must be approved prior to departure. Interested students should seek guidance from Education Abroad Programs (http://www.twu.edu/education-abroad) prior to applying for these experiences.

A variety of opportunities for financial support are available. Education Abroad Programs (http://www.twu.edu/education-abroad) can assist students in identifying funding sources. All TWU students participating in education abroad are encouraged to apply for the TWU International Education Scholarship. For more information on any of the education abroad opportunities at TWU, contact Education Abroad Programs at 940-898-4115 or educationabroad@twu.edu.

Auditing Courses

Only an individual fully eligible to enroll in the university may attend a class as an auditor without receiving college credit.

Permission to audit a course must be obtained utilizing the Course Audit Approval Form (http://www.twu.edu/registrar/forms.asp) after the first day of class by getting approval signatures from the instructor of the course, the chair of the department which offers the course, the dean of the school or college, and the Registrar's Office.

- Persons auditing a course will be charged at the same tuition and applicable fee rate as those enrolled for credit, except as indicated below for those over the age of 65.
- The auditor may not participate in the laboratory part of a course or in a studio, practicum, workshop, or activity course.
- Attendance as an auditor may not be made on the basis of a claim for course credit and will not count towards enrollment load or status.
- Courses that are audited are not eligible for financial aid or VA benefits.
- Audited courses are not recorded on the student's permanent record (the course will not appear on the academic transcript).
- Any persons 65 years of age or older are eligible to enroll in up to six semester credit hours of coursework and receive a waiver for tuition to audit classes without charge provided space is available.

Information about auditing may be obtained in the Office of the Registrar (http://www.twu.edu/registrar).

Pre-professional Programs

Students may prepare for further study in professions by following recommended curricula for Pre-Medicine, Pre-Dentistry, Pre-Law, and Pre-Engineering.

Pre-Medicine students may participate in the Joint Admission Medical Program (JAMP) which provides scholarships beginning in the sophomore year for students who complete 15 semester credit hours during a fall semester with a 3.25 GPA or higher (including no more than 3 semester credit hours of AP credit). Participation in this state-wide program provides students with support, scholarships, and guidance toward admission to participating medical schools if all requirements are met. See the Chemistry and Physics Department section of this catalog for details.

Pre-Dentistry students may prepare for later study by following the recommended curricula shown in the Chemistry and Physics Department section of this catalog.

Pre-Law students may prepare for legal studies by following the curricula described in the History and Government section of this catalog.

Pre-Engineering students may participate in the dual degree program in mathematics and engineering offered through the Department of Mathematics and Computer Science in association with the University of North Texas. For details, contact the Department of Mathematics and Computer Science.

Air Force and Army ROTC Programs

Military Science and Aerospace Studies courses are offered at the University of North Texas. Students interested in enrolling in these courses should contact the TWU Registrar.

TWU students may participate in the University of North Texas ROTC programs to prepare for a career as an officer. Active-duty and reserve Air Force and Army personnel provide all classroom instruction and program administration. Students register for courses through TWU

and classes meet at the University of North Texas campus; the TWU Registrar provides registration information for these programs.

The ROTC program is open to male and female students. Freshmen may enroll in the four-year program, and other students with at least two undergraduate or graduate academic years remaining may apply for the two-year program. Deviations from these two programs must be approved by the chair of the division. Students who complete either program with at least a bachelor’s degree are awarded commissions as U.S. military officers.

Student Life

Student Rights and Responsibilities

Texas Woman's University is a community of scholars in which the ideals of freedom of inquiry, freedom of thought, freedom of expression and freedom of the individual are sustained. TWU is committed to preserving the exercise of any right guaranteed to individuals by the constitution. However, the exercise and preservation of these freedoms and rights require a respect for the rights of all people in the community to enjoy them to the same extent. In a community of learning, willful disruption of the educational process, destruction of property, and interference with the orderly process of the university or with the rights of other members of the university cannot be tolerated.

Students enrolling in Texas Woman's University and registered student organizations assume an obligation to conduct themselves in a manner compatible with the University's function as an educational community. The act of registering for classes or registering as a TWU student organization is considered an explicit acceptance of TWU's regulations as outlined in the most recent issue of the Student Handbook and Planner, the General Catalog, the Graduate Catalog, and other official University publications. To fulfill its functions of imparting and gaining knowledge, TWU retains the authority to maintain order within the university and to exclude those who are disruptive of the educational process or who represent a threat to the community.

Students and student organizations must assume the following responsibilities:

1. The right to an environment in the residence halls, academic buildings, and other areas on campus which will be as conducive as possible to study and serious inquiry;
2. The right to inquire about and to recommend improvements in policies, regulations, and procedures affecting the welfare of students through appropriate channels such as student government, administrative offices and various committees;
3. The right to a fair hearing (procedure described below) when charged with violation of University regulations.

Students and student organizations must assume the following responsibilities:

1. The responsibility for being fully acquainted with published regulations and for complying with these regulations in the interest of an orderly and productive community;
2. The responsibility for respecting the rights and property of other persons in the University community.
3. The responsibility for knowing that each student's conduct reflects not only upon the student but also upon the institution and the members of the community and that conduct must be judged accordingly.
4. Responsibility to help maintain a safe environment by reporting suspicious/concerning/dangerous behavior to university officials.

For further information on student conduct policies please refer to the current Student Handbook and Planner (http://www.twu.edu/student-life-office/student-handbook.asp) in the print or web edition.

Services Available to Students

- Career Connections Center (p. 63)
- Center for Student Development (p. 63)
- Child Care (p. 66)
- Commuter and Non-Traditional Student Services (p. 66)
- Consumer Information (p. 66)
- Counseling and Family Therapy Clinic (p. 67)
- Counseling Services (p. 67)
- Dental Hygiene Clinic (p. 67)
- Disability Support Services (p. 67)
- Fitness and Recreation (p. 68)
- Food Services (p. 68)
- Housing (p. 68)
- ID Card/Pioneer Card (p. 68)
- Intercollegiate Athletics (p. 69)
- Intercultural Services (p. 69)
- Mary Eleanor Brackenridge Student Union (p. 69)
- Pioneer Center for Student Excellence (p. 69)
- Quality Enhancement Programs (p. 70)
- Speech-Language-Hearing Clinic-Denton / Stroke Center-Dallas (p. 70)
- Student Handbook (p. 70)
- Student Health Services (p. 71)
- Tutoring Centers (p. 72)
- Veteran & Military Student Center (p. 72)

Career Connections Center

www.twu.edu/career-services/

Lisa Garza, Director

Location: *Human Development Building, 200*
Phone: *940-898-2950*
Email: *careers@twu.edu*

The Career Connections Center (http://www.twu.edu/career-services) serves as a bridge from your educational experience to the world of work. We are here to help you with all aspects of your career planning, from choosing a major to negotiating a salary. The Career Connections Center has professional and friendly staff available to work with students from each TWU College and campus providing tailored advising to meet individual needs.

Offering a wide variety of programs to aid students throughout the *career exploration* (http://www.twu.edu/career-services/career-counseling-appointments-benefits.asp) and preparation process, we partner with you to:

- Choose a major and *connect academics to careers*
- Design a plan for success
- Connect to potential career and internship opportunities
- Connect with *employers in fields of interest* and learn the effective job search strategies to get you where you want to be

Whether you are on-campus or on-line, the Career Connections Center has programs, tools, and resources available to assist you as you prepare for and make career decisions.

- Self-exploration assessment tools
- No appointment needed, *drop in hours* for resume and cover letter critiques along with other career related questions
- *On-line resources* including tools to assist you with resume and letter writing, interview practice, portfolio development, and more
- Career advising appointments
- Workshops and seminars on a wide range of relevant career related topics
- Job postings (http://www.twu.edu/career-services/off-campus-jobs.asp), career fairs (http://www.twu.edu/career-services/career-days.asp), on-campus interviews

So come visit us and *make a connection* that can lead to your career success!

Center for Student Development

The Center for Student Development (CSD) provides leadership development opportunities and promotes student involvement. In addition, the office provides service leadership through outreach programs utilizing a volunteer network. Students who are interested in information about volunteer services, campus programs, leadership development, or campus organizations should contact the Center for Student Development (http://www.twu.edu/student-development) at 940-898-3626, or come by the office located on the first floor of the Student Union.

Student Government Association

The Student Government Association (http://www.twu.edu/student-government) (SGA) has a long history of student participation and service to the University. SGA meetings are held on each campus (Denton, Dallas, and Houston) on a regular basis, and all students are welcome and encouraged to attend the meetings. Active participation in SGA committees provides students with an opportunity to play a major role in the decision making on their respective campus. Students interested in holding a leadership position in SGA must qualify for office according to the standards stated in the Constitution and Bylaws.

Elections are held in the spring semester on all campuses. Students should contact the Center for Student Development for specific dates regarding the Denton campus elections. For Dallas and Houston dates, please contact the Assistant Director of Student Life on the appropriate campus.

Campus Activities Board

The Campus Activities Board (http://www.twu.edu/student-government/campus-activities-board.asp) (CAB), is a student-run organization responsible for providing activities and programs for the student body and the University community. CAB also provides valuable experiences and opportunities for students to develop personal and professional skills in leadership, time management, and group dynamics. Chair positions and committee memberships are open to all students. Additional information is available through the Center for Student Development.

Leadership Development

Students at TWU are encouraged to take advantage of both the formal leadership development programs and the informal opportunities to develop their personal and professional skills. This approach to leadership ensures that students can tailor their own program to promote their individual needs. Leadership programs, workshops, and retreats provide a strong basis for transitions from TWU to the work force after graduation. Participation in the leadership development program is an integral part of a student's college experience.

Graduate Student Orientation

The Center for Student Development (http://www.twu.edu/student-development) (CSD) offers an annual orientation for new graduate students. For more information, contact the Center for Student Development at 940-898-3626, the Graduate Orientation website (http://www.twu.edu/graduate-orientation), or email orientation@twu.edu.

Student Organizations

Involvement in University Student Organizations is an important element of a university education that embraces the student as a person and a citizen which has been at the core of a TWU education from the beginning of TWU. The purpose of involvement in student organizations includes learning to be innovative, broadening the minds of students, and having students learn things about themselves and the world around them that they are unlikely to learn anywhere else. Involvement in student organizations enables students to have purposeful interactions on campus and find additional meaning in their experiences.

In addition, participation in student organizations allows students to acquire leadership, communication, and team building skills. Participating in student organizations is beneficial during a student's collegiate experience and in their role as a citizen within the community. Organizations such as honorary societies, sororities, fraternities, professional organizations, and various special interest groups are vital components of the educational experience at Texas Woman's University (TWU). Participation in student organizations is important to a student's intellectual and professional development. A current listing of registered and recognized (both sanctioned and chartered) student organizations may be obtained from the Center for Student Development (CSD) on the Denton campus or its website, and current listings of student organizations on the Dallas and Houston campuses may be obtained through their respective Offices of Student Life or on their web pages.

Student Organization Policies and Qualifications

TWU Student Organizations:

- Shall be open to all TWU students regardless of race, creed, disability, sexual orientation, age, and/or sex (National sororities and fraternities, NPC and NPHC groups, are exempt from gender discrimination under Title IX Education Code).
- Shall adhere to Federal law and University Policies, Regulations, and Procedures regarding sexual harassment. No member of the University community may sexually harass another. Charges of sexual harassment against any employee or student will result in investigation and disciplinary action(s).
- Shall recognize sexual assault is a felony under the criminal laws of the State of Texas and will not be tolerated at Texas Woman's University. In addition to legal recourse, any such act committed by a Texas Woman's University student is a violation of the Student Code of Conduct and subject to disciplinary action at the University.
- Shall not participate in any hazing activities or activities that would fall under the University Policies, Regulations and Procedures of hazing.
- Shall not serve, sell, or consume alcoholic beverages at any organization meeting or function on or off campus. All organization meetings and functions are alcohol-free.
- Shall adhere to alcohol and drug use laws, policies, regulations, and procedures.
- Must comply with Regent Policy and University Regulations and Procedures (URPs) regarding the distribution of information. Before posters or flyers can be distributed or displayed on campus, they MUST be approved by the CSD and be marked appropriately.
- Shall comply with the Student Code of Conduct.
- Shall follow all University fundraising Policies, Regulations, and Procedures including, but not limited to, auctions, silent auctions, raffles, and bake sales.

In addition, TWU Student Organizations:

- Shall meet a genuine, demonstrated student interest.
- Shall submit a local constitution and/or national constitution (if applicable) annually to the CSD.
- Shall be led by TWU student officers elected or appointed by the organization.
- Shall have at least one (1) part-time or full-time TWU faculty, staff, and/or Graduate Assistant/Graduate Teaching Assistant advisor, but are encouraged to have two. Information about the responsibilities and obligations of a Student Organization advisor is available at the CSD office.
- Shall renew their organization paperwork each spring semester with the respective CSD office on each campus.
- An organization must complete the new Student Organization process if the group has not renewed their paperwork within the in the last academic year.
- Shall update Student Organization officer and advisor information as necessary whenever there is a change of advisor(s) with the respective CSD office.

- Shall not use University's insignia, seal, logo, or name in its official title, logo, on financial documents including checking accounts and signature cards, or on applications or legal forms asking for an organization's name. Use of the University's insignia, seal, logo, or name is subject to restrictions found in University policies, regulations, and procedures.
- Shall not use the TWU Tax ID number. Each Student Organization is encouraged to apply for an organization Tax ID number with the IRS.
- Student Organizations may not plan co-curricular activities (including mandatory meetings and Student Organization functions) the week prior to and the week of final exams.

All Code of Conduct violations will be addressed by the Office for Civility and Community Standards in conjunction with the Center for Student Development.

Establishment of a Chartered Student Organization

In order to establish a chartered student organization, an individual or group must demonstrate the organization meets a genuine student interest. At least five (5) TWU students from the same campus must sign the application, however it is recommended that there be ten (10) signatures to demonstrate there is true interest in the proposed student organization.

If an individual or group believes there is: 1) a sustained interest in the proposed organization; 2) an existing organization is not able to fill the needs of the proposed organization; 3) the purpose of the proposed organization is well-defined and serves the community on- or off-campus; and 4) organizational goals, objectives, recruitment, programs, and activities are identified, then the individual or group should begin the application process to become a charter organization. The application process is administered through Student Government with assistance from the CSD.

Student Organization Procedures and Qualifications

For any student organization to be officially recognized by the University, it must apply for and be approved as a registered and recognized student organization. Approval does not indicate University endorsement; however, recognition will allow official name acknowledgement, fundraising, and usage of facilities. In order to be approved, the bylaws of a Student Organization must contain specific comprehensible language that states the group does not represent the University. The University has the right to reject any groups that violate University policies, regulations, and/or procedures and are not aligned with the mission and values of the University.

Restrictions on Student Organizations

Student Organizations must refrain from discrimination as defined by University policies, regulations, and procedures as well as federal, state, and local statutes (Greek organizations are exempt from gender discrimination). The Student Organization cannot admit an individual to membership who is not a current member of the TWU community. The TWU community includes all enrolled students. Non-TWU community members may participate in group events at the discretion of the Student Organization. The use of University facilities, equipment, and systems is governed under related TWU policies, regulations, and procedures.

Student Events/Programs

Students who wish to have events or programs with attendance of 100 persons or more must adhere to policies stated in the Special Events Policy on the Special Events Form. (Conference Services has Scheduling Procedures for Student Orgs on their website: http://www.twu.edu/conference-services/forms.asp). Students must also fill out a student organization event checklist.

In support of the mission of Texas Woman's University, the Division of Student Life does not allow for planning co-curricular activities during the week prior and the week of final exams. Creating or implementing meetings, programs, or activities during this time period may jeopardize students' ability to perform to their highest academic potential.

Financial Management

Funds received and/or collected by the organization are not the responsibility of the University; they are the responsibility of the organization. Texas Woman's University does not provide safe keeping or accounts for student organization funds. Chartered organizations are recommended and encouraged to open checking and saving accounts at a local bank; sanctioned organizations are not permitted to have an off-campus bank account. Sanctioned organizations are sponsored by the University and receive University funding; any funds they raise can be deposited into an appropriate University revenue account.

For chartered student organizations that wish to place their monies in a checking account, the only option is to open an account off-campus. Many student organization leaders find that opening an off-campus account to be beneficial as they can make withdrawals and deposits at ease. It is important to note that opening an account for a student organization has different requirement than that of a personal account. The following information is imperative to the proper opening of a Student Organization off-campus account:

- Organizations must apply and receive a tax identification number from the Internal Revenue Service (IRS) by completing form SS-4.
- The IRS can be contacted at 1-800-829-4933 or www.irs.gov (http://www.irs.gov)
- Upon receiving a tax identification number and opening a bank account, the student organization must report this information to the Center for Student Development on the Denton campus or the appropriate Office of Student Life on the Dallas or Houston campuses.
- It is recommended that two signatures be required on each check to hold student leaders accountable for their organizational spending.

Establishing New Student Organizations

Recognized and Registered Organizations: All Student Organizations (sanctioned and chartered) must submit renewal paperwork every spring in order to be registered as a recognized organization by TWU for the following academic year. Renewal paperwork includes, but is not limited to, a constitution, bylaws, and a risk management agreement. All student organizations must also send representatives to the annual Risk Management training sessions. Renewal paperwork is submitted to CSD in Denton or the Offices of Student Life on the Dallas and Houston campuses.

- **Chartered Organization:** A student organization that is officially recognized by the University. Chartered organizations must apply for and be approved as a recognized and registered chartered organization on an annual basis.
- **Sanctioned Organizations:** Sanctioned organizations receive University funding. Sanctioned organizations must be registered and recognized annually. The Student Government Association is an example of a sanctioned organization.

In order to establish a chartered student organization, an individual or group must demonstrate the organization meets a genuine student interest. At least five (5) TWU students from the same campus must sign the application, however it is recommended that there be ten (10) signatures to demonstrate there is true interest in the proposed student organization.

If an individual or group believes there is: 1) a sustained interest in the proposed organization; 2) an existing organization is not able to fill the needs of the proposed organization; 3) the purpose of the proposed organization is well-defined and serves the community on- or off-campus; and 4) organizational goals, objectives, recruitment, programs, and activities are identified, then the individual or group should begin the application process to become a charter organization. The application process is administered through Student Government with assistance from the CSD.

Requirements for Elected and Appointed Officers of Student Organizations

Academic and social standards for membership and service as officers of student organizations are stipulated in the respective constitutions and bylaws of each organization. In some cases, such requirements may be above the general University requirements. In order to qualify for elected or appointed posts, a student must be in good standing with the University and must have a cumulative grade-point average of 2.0.

Volunteer Services

TWU Volunteer Services (http://www.twu.edu/volunteer-services) seeks to engage students in experiences that address human and community needs. They strive to promote student learning and development through their programmatic endeavors and commitment to a culture of active citizenship.

TWU students, faculty, and staff can participate in programs and events sponsored by the office such as: Volunteer Fairs, Lunch & Learn Brown Bag Workshop Series, Fall for Fall Service Day, Make a difference Day, MLK Day of Service, The Big Event, and Philanthropy Spotlight events. Additionally, Volunteer Services sponsors weekend and week-long opportunities through the Alternative Breaks Program.

For members of the TWU community that are not sure how to get started in their service, Volunteer Services also does individual consultations to help narrow your search. Students are also encouraged to join the Helping Hands Service Ambassadors. For more information on how you can get involved, please visit the Volunteer Services website (http://www.twu.edu/volunteer-services) or contact the Coordinator of Volunteer Services at 940-898-3626.

Child Care

The CARE (Campus Alliance for Resource Education) office provides educational resources for students seeking childcare. Some available resources include Texas Child Care Services (CCS) Assistance Program, the Texas licensing database, and tips for evaluating quality care and list of child care centers (including TWU Club House). For additional resources and information please visit CARE- Child Care (http://www.twu.edu/commuter/child-care.asp).

CARE (formerly Commuter and Non-Traditional Student Services)

Texas Woman's University is committed to meeting the unique needs of commuter and non- traditional students (including veterans, students with children, adult learners, and students who have experienced foster care). The CARE (http://www.twu.edu/commuter/default.asp) Office, located in the Denton Student Union room 209, connects commuter, off campus, online and non-traditional students with University resources.

The CARE (http://www.twu.edu/commuter/default.asp) Office provides students with commuter tips and information on transportation (carpooling, bus schedules & parking), off campus housing, childcare, non-traditional student scholarships, monthly newsletter, holiday gift program, student organizations and more.

- Campus Alliance for Resource Education (CARE (http://www.twu.edu/commuter/default.asp))
- Commuter Services (See CARE (http://www.twu.edu/commuter/default.asp))
- Frontiers (http://www.twu.edu/foster-care-alumni) Program (students who experienced foster care)
- The Lasso (http://www.twu.edu/the-lasso) (see Publications)
- Veteran & Military Student Center (http://www.twu.edu/veterans/veterans-center.asp) (See Veteran and Military Services Center)

Consumer Information

Information concerning the graduation rate of full-time degree seeking students may be obtained by contacting:

> Office of Institutional Research and Data Management (http://www.twu.edu/institutional-research)
> P.O. Box 425765
> Denton, TX 76204-5765

Statistics on the occurrence of on-campus crime and the number of arrests may be obtained by contacting:

> Department of Public Safety (http://www.twu.edu/dps)
> P.O. Box 425767
> Denton, TX 76204-5767

Statistics on athletic aid recipients including race, gender, sport, and graduation rates; policies regarding the possession, use, and sale of illegal drugs and the enforcement of federal and state drug laws; and policies regarding sexual assault, programs to prevent sex offenses,

and procedures to follow when a sex offense occurs; as outlined in the *Student Handbook* (http://www.twu.edu/student-life-office/student-handbook.asp), may be obtained by contacting:

Vice President for Student Life (http://www.twu.edu/student-life)
P.O. Box 425379
Denton, TX 76204-5379

Counseling and Family Therapy Clinic

The Counseling and Family Therapy Clinic (http://www.twu.edu/family-sciences/counseling-family-therapy-clinic.asp), housed within the Department of Family Sciences (http://www.twu.edu/family-sciences), is open to the public and provides counseling for families, couples, groups, and individuals, both adults and children. Clinical services are provided by doctoral and master's level family therapists and master's level counselors within the department. All therapists and counselors are supervised by a clinical director and clinical faculty who have earned doctoral degrees, maintain licensure in a mental health discipline, and have more than 100 years of combined experience helping people overcome problems.

The Clinic provides an atmosphere of respect and dignity where each individual and family can be effectively served. Fees are assessed on a sliding scale in order that counseling, education, and preventive services are affordable for every family, couple, and individual. For an appointment or more information, call the Counseling and Family Therapy Clinic (http://www.twu.edu/family-sciences/counseling-family-therapy-clinic.asp) at 940-898-2600. The Clinic is located in HDB 114 on the Denton campus.

Counseling Services

With offices on the Denton, Dallas, and Houston campuses, the Counseling Center (http://www.twu.edu/counseling) assists students with personal, relationship, and vocational concerns. Professional psychologists provide individual, couples, crisis and group counseling; workshops and presentations; and other special programs designed to meet students' needs. Psychiatric consultation is available as a part of the counseling services when deemed appropriate.

All counseling services are free and confidential to currently enrolled students. A student may request help directly or be referred by faculty or other interested persons. In most cases adequate time will be provided to assist students with their concerns, although the University cannot provide long-term individual counseling. Referral assistance is provided for those individuals needing more extensive counseling than the Counseling Center is able to provide. In Denton, students may visit the Counseling Center in West Jones Hall or call 940-898-3801. In Dallas, students should call 214-689-6655 for an appointment. In Houston, students may visit the Counseling Center on the second floor or call 713-794-2059.

The Counseling Center also maintains a number of internet-based resources on its web site. These include on-line workshops students may access at any time, self-help handouts, links to other resources, and more information about Counseling Center services. For more information, visit the Counseling Center website. (http://www.twu.edu/counseling)

Dental Hygiene Clinic

Services of TWU's Dental Hygiene Clinic (http://www.twu.edu/dental-hygiene/clinic.asp) are available to faculty, staff, students, and the local community. For a nominal charge, the Clinic provides the following services: Prophylaxis (tooth cleaning), periodontal therapy (deep cleaning), radiographs (x-rays), limited dental examinations and oral cancer screening, and oral disease prevention education and clinical treatment, including fluoride treatments and sealants. In spring tooth whitening is also offered. The Clinic serves as a laboratory for dental hygiene students, who are closely supervised by licensed, experienced dentists and dental hygienists. The clinic is located on the first floor of the MCL building on the Denton campus.

For more information contact:

Dental Hygiene Clinic (http://www.twu.edu/dental-hygiene/clinic.asp)
P.O. Box 425796
Texas Woman's University
Denton, TX 76204-3796
940-898-2888

Disability Support Services

Location: *CFO 106 (Denton campus)*
Phone: 940-898-3835
E-mail: dss@twu.edu

The Office of Disability Support Services (http://www.twu.edu/disability-support-services) (DSS) provides services for qualified students with disabilities who need assistance in being able to access academic or other programs on each of the TWU campuses. Students are encouraged to contact the DSS office as soon as possible in order to arrange for accommodations to be in place before they begin their program. Students are required to submit an application for services, a class schedule, and documentation that verifies the existence of a disability. The staff in the DSS office will then contact the student to arrange for an intake interview so that together they can determine eligibility for appropriate accommodations. Students who are qualified to receive services will be given an Academic Adjustment letter that they will share with their professors and which outlines the authorized accommodations.

Students needing housing accommodations should contact the Housing Department (http://www.twu.edu/housing) for any modification requests.

All TWU students who park on campus are required to purchase a TWU parking permit. Those students who have state-issued disability licenses or placards may park in any of the designated accessible parking spaces on campus.

Students at the Dallas and Houston centers may receive assistance with accommodations from staff in the Denton office. Texas residents needing disability-related assistance from the Texas Department of Assistive and Rehabilitative Services (http://www.dars.state.tx.us) (Texas DARS) should contact them directly by calling 800-628-5155 three months prior to enrollment.

Fitness and Recreation

Fitness and Recreation provides facilities, programs, and services for the University community to promote a healthy lifestyle and to encourage well-being through physical activity. Full service fitness facilities are located on all three campuses and include cardio and strength training machines. Each facility can be accessed with a current student ID. Locker rooms with showers and changing areas are available in each facility.

The fitness center located on the Denton campus includes group exercise studios, a full size gymnasium, a 30-foot climbing wall, a lounge with gaming equipment and a large screen TV, an outdoor sand volleyball court, indoor swimming pool, a golf course, tennis courts, and an outdoor adventure program. In addition, the following services and programs are offered for a nominal fee to students: specialized group exercise classes, sport teams, intramural sports, personal training, and outdoor adventure trips. For more information, contact Fitness and Recreation (http://www.twu.edu/fitandrec) at 940-898-2900.

Students, faculty, and staff may also use the fitness facilities at the Dallas and Houston campuses which include treadmills, ellipticals, steppers, stationary bicycles, assorted strength training machines, and free weights. Various group exercise classes, recreational programs, and special events are also offered throughout the year. For more information, contact Student Life (http://www.twu.edu/student-life-dallas) at Dallas 214-689-6697 or Student Life (http://www.twu.edu/student-life-houston) at Houston 713-794-2157.

Food Services

Dining services (http://twu.campusdish.com) available on the Denton campus include the Garden Room, Chick-Fil-A, and The Underground in the Student Union (http://www.twu.edu/student-union), the C-Store at the Guinn-Stark Commons, The Kiosk in MCL, Which Wich in CFO and Starbucks in the Library . Food service is also available at the Houston and Dallas campuses. Denton campus students who are under the residency requirement are required to purchase a meal plan. Meal plans are also available for commuter students. For further information on meal plan options, contact:

Director of ID Systems and Contracted Auxiliary Services
Texas Woman's University
P.O. Box 425380
Denton, TX 76204
940-898-3565

Housing

Residence Halls at the Texas Woman's University Denton campus provide a wide range of choices in student living styles. Each residence hall is centrally air conditioned and offers a variety of amenities for students, including study lounges, living rooms, television lounges, laundry rooms, computer labs, vending machines, room refrigerators, and cable TV. Students can choose a traditional student room with private or community bathrooms. Apartment and suite style living offering one bedroom through three bedroom units are available for students with families and for upper class students (typically sophomores). Students may select halls of their choice to the extent possible. To obtain more information about individual residence hall and apartment options visit www.twu.edu/housing/ or contact:

Department of University Housing
Texas Woman's University
Box 425380
Denton, Texas 76204-5380
940-398-3676

Living Learning Communities

Living Learning Communities (http://www.twu.edu/housing/living-learning-communities.asp) (LLC) at Texas Woman's University provide learning opportunities outside of the classroom that strengthen student intellectual and personal growth. Two key communities, Neighbors Educated Together (NET) and First Year Connections (FYC) are centered around an academic or special interest theme and are structured for students to have a high degree of involvement in the program.

Living Learning Communities help students succeed academically and build a community of friends, while providing a way for students to get involved in campus life.

Undergraduate Residency Requirement

The University requires that all full-time, single undergraduates who have not completed 60 semester credit hours live in University residential communities unless one of the following exceptions apply:

- 21 years of age or older
- Active duty military or veterans of military service
- Living with parents or legal guardians within the commuting distance

Room Assignments and Contract

The Housing contract (http://www.twu.edu/housing/rates-and-contract-terms.asp) guarantees a bed space in a double, triple, or quad occupancy room and the apartment's contract guarantees a bed space or the lease of an individual apartment, depending on apartment type. Assignments to residence halls are made on a space-available basis based on the date the application and deposit are received at the Department of University Housing (http://www.twu.edu/housing/default.asp).

ID Card/Pioneer Card

The TWU student identification card is issued upon registration for the first semester a student is enrolled. All students are required to carry a TWU student ID card and to make it available upon request to academic and administrative officials. The TWU ID Card is non-transferable. Fraudulent or unauthorized use warrants confiscation of the ID card. Anyone who uses this card to give false information is subject to university discipline and appropriate criminal prosecution. There is a $25.00 replacement fee for lost, stolen, or discarded IDs. If you have a video image photo ID card from a previous semester, activation is updated automatically based on enrollment.

Student IDs at the Denton campus are distributed at the ID Card Office (http://www.twu.edu/id-services) on 3rd floor of Jones Hall, 940-898-3565. Dallas campus IDs are available at the Student Life

Office, 3rd floor, 214-689-6690. Houston campus IDs are distributed at the Student Life Office, 2nd floor, 713-794-2157.

Intercollegiate Athletics

TWU Athletics (http://www.twuathletics.com) functions as an integral part of the total educational offerings of the University through the unique competitive learning experiences it provides. TWU Athletics shares with other components on campus the responsibility to contribute positively to the development of the individual student in an environment that empowers and affirms the full development of women.

A proud member of NCAA Division II (http://www.ncaa.org/d2) and the Lone Star Conference (http://www.lonestarconference.org), TWU Athletics is committed to the philosophy of academic and athletic excellence; where *student* comes first in student-athlete. Since 1982, the combined grade point average of all student-athletes each semester has never dropped below a 3.0. Many Pioneers have been awarded post-graduate scholarships and NCAA awards, and some have been honored with the distinction of TWU Distinguished Alumni.

TWU teams have won conference, regional and national championships. Individual student-athletes have set national records, achieved All-America honors, won medals in the Olympics, and participated on Pan American and national teams representing the United States.

TWU sponsors five varsity women's programs in the sports of basketball, gymnastics, soccer, softball, and volleyball. For additional information, contact:

Director of Athletics
P.O. Box 425349
Denton, TX 76204-5349
940-898-2378

Intercultural Services

The Office of Diversity, Inclusion, and Outreach provides the TWU community with diversity education programs and activities designed to enhance the appreciation for diversity among university students, staff, and faculty. Services include the Cultural Connections Leadership Conference (http://www.twu.edu/intercultural-services/conference.asp), which is designed to enhance leadership skills and cultural appreciation across all cultures, mentor success program, cultural awareness workshops, cultural celebrations and activities, and support for multicultural student organizations. Other resources include the SUCCESS Mentor Program, G-Force Mentorship Program, GO Centers, and the TWU Mobile GO Center. The Office of Diversity, Inclusion, and Outreach is located in Jones Hall, room 200. For more information you may contact us at 940-898-3679, or visit TWU Diversity Inclusion & Outreach. (http://www.twu.edu/intercultural-services)

Mary Eleanor Brackenridge Student Union

The Student Union is named for Mary Eleanor Brackenridge, a strong advocate for the advancement of women. She was appointed to the first Board of Regents, and she was president of the Texas Woman Suffrage Association from 1913 to 1914.

The Student Union (http://www.twu.edu/student-union) at TWU provides facilities and services intended to meet the needs of a diverse University community. The Student Union provides students an opportunity to develop leadership skills that provide a foundation for service within and beyond their academic experience. A notary public service for students, faculty, and staff is available in Room 209 in the building. Contact the Student Union (http://www.twu.edu/student-life-office) at 940-898-3641 for more information. Contact the Student Union office at 940-898-3641 to reserve meeting room space.

The following offices are located in the Student Union on the Denton campus: the Center for Student Development (http://www.twu.edu/student-development), Campus Alliance for Resource Education (CARE) (http://www.twu.edu/commuter/default.asp) and the office of the Vice President for Student Life.

The Student Government Association (http://www.twu.edu/student-government), the Campus Activities Board (http://www.twu.edu/student-government/campus-activities-board.asp), Volunteer Services (http://www.twu.edu/volunteer-services), Greek Life (http://www.twu.edu/greek-life), and the Student Union Board (http://www.twu.edu/student-union/12319.asp) are also located in the building. Student Union space is also provided on the T. Boone Pickens Institute of Health Sciences Campus (http://www.twu.edu/dallas) and in the Houston Center (http://www.twu.edu/houston). Please call the Pickens Institute at 214-689-6503 and the Houston Center at 713-794-2331 for further information.

Other services in the Student Union on the Denton campus include four dining locations, the TWU Bookstore (http://www.bkstr.com/texaswomansstore/home/en?cm_mmc=Redirect-_-VanityURL-_-twu.bkstr.com-_-44404), computer stations, cyber cafe, TV and game room, meeting and lounge space, locker rentals, and a lactation room.

Pioneer Center for Student Excellence

Grounded within current research and based on high-impact practices, the Pioneer Center for Student Excellence (http://www.twu.edu/pioneer-center) supports academic achievement, assists in the development of professional skills, and contributes to the holistic student experience.

The center is home to multiple programs and services that enhance the academic experience of all TWU students. Services include:

- intensive graduate writing support programs
- academic coaching
- academic enhancement programming
- academic advising coordination
- internships
- collaborative learning spaces

Additionally, the Pioneer Center is home to co-located services including Quality Enhancement Programs (p. 70), Education Abroad (p. 60), and Living Learning Communities (http://www.twu.edu/housing/living-learning-communities.asp). The center is located on the second floor of the Blagg-Huey Library on the Denton Campus, the tenth floor of the TWU Institute of Health Sciences - Houston Center, and

provides services to students at the three TWU locations. For more information, please contact the Pioneer Center at 940-898-3755.

Academic Coaching

Academic coaching is a service provided for students who are seeking additional assistance with improving their academic skills, such as time management, test-taking, note-taking, general study skills, learning styles, and academic motivation. Together, the student and academic coach determine areas of needed assistance and work collaboratively to identify the student's learning strengths that will best assist them with improving in the identified area. Coaching sessions are available in person as well as via the internet.

Internships/Cooperative Education

Internships provide students with supervised learning situations in business, industry, government, or service enterprise. Employers select students for an internship on the basis of individual merit and qualifications. Several academic departments provide students the opportunity to participate in for-credit internships during their course of study. Non-credit internships are also available to students seeking practical work experience to supplement their coursework. More information is available in the Internships/Cooperative Education (p. 59) section of this catalog or at the Pioneer Center for Student Excellence (http://www.twu.edu/pioneer-center).

Quality Enhancement Programs

http://www.twu.edu/qep

Guided by the university's mission and strategic plan, as well as current research on student engagement, the five-year Quality Enhancement Plan (QEP) *Pioneering Pathways: Learn by Doing* focuses on enhancement of student learning through engagement in experiential learning. The QEP provides a systematic plan for implementing and assessing experiential learning throughout the university.

Experiential learning at TWU bridges theory with practice, and is a dynamic, engaged form of learning characterized by active collaboration; real-world problem solving; hands-on application of classroom theories; in-depth engagement with content; or simulation of skills external to the classroom.

The QEP includes the following programs for students and faculty at all TWU locations:

- Experiential Student Scholars
- QEP-designated courses
- Experiential Fellows
- National Society for Experiential Education (NSEE) Experiential Education Academy

The QEP is co-located in the Pioneer Center for Student Excellence on the second floor of the Blagg-Huey Library on the Denton campus.

Speech-Language-Hearing Clinic-Denton / Stroke Center-Dallas

Speech-Language-Hearing Clinic – Denton

The Speech-Language-Hearing Clinic located on TWU's Denton Campus provides assessment and therapeutic services to the University and Denton communities for a minimal fee. Master's level graduate students under the direct supervision of licensed, certified speech-language pathologists, audiologists, AV therapists, and deaf educators provide assessments and individual intervention for language, literacy, speech sound disorders, voice, stuttering, hearing loss, and feeding for children and adults. During the summer, camps are offered for children with sensory-based feeding disorders, language and literacy difficulty, and speech sound disorders including Childhood Apraxia of Speech.

For applications or further information about the Clinic, contact:

TWU Speech-Language-Hearing Clinic (http://www.twu.edu/communication-sciences/clinics.asp)
P.O. Box 425737
Denton, TX 76204-5737
940-898-2285
email: coms@twu.edu

The clinic is located in MCL 601 on the Denton campus.

The Stroke Center – Dallas

The Stroke Center – Dallas was established in 1992 to provide treatment and training in neurological rehabilitation specifically for stroke and right hemisphere injuries. A core of health professionals and graduate students provide outpatient services for a minimal fee. Located in the T. Boone Pickens Institute of Health Sciences on the TWU Parkland campus, the Center operates five 6-week sessions each year. Assessment and intervention services include speech/language therapy, physical therapy, occupational therapy, and psychosocial counseling. A major focus of The Stroke Center is clinical research. Individuals may be referred by physician, family, or self.

For applications or further information about The Stroke Center programs contact:

The Stroke Center - Dallas (http://www.twu.edu/stroke-center-dallas)
5500 Southwestern Medical Avenue
Dallas, TX 75235
214-689-6592
email: strokecenter@twu.edu

Student Handbook

The Student Handbook (http://www.twu.edu/student-life-office/student-handbook.asp) identifies policies and procedures governing student rights and responsibilities and provides a variety of information and resources. The handbook is distributed at the beginning of the fall semester. Students in Dallas and Houston may also pick up handbooks in the Administration office or from the Student Life

Coordinators. Copies are available to students in Denton in Room 206 and Room 209 in the Student Union.

Student Health Services

The Texas Woman's University Student Health Services (http://www.twu.edu/student-health-services) (SHS) is located on the TWU campus in the lower level of Hubbard Hall at 303 Administration Drive, next door to DPS (Department of Public Safety). SHS is dedicated to providing quality healthcare and preventative services to the students of our University. By providing these services, SHS intends to assist each student in maintaining maximum physical health, so that students may realize to the fullest extent possible the educational opportunities afforded by the university.

SHS provides medical services for diagnosis and treatment of illness and injury, as well as prevention services such as immunizations and wellness examinations. Mental health services are also available. Fees are assessed for office visits, lab services, medication, and medical equipment/supplies. All x-rays are referred to an off-campus facility, and students are responsible for all charges. Student Health Services offers an optional pharmacy delivery service through Drug Emporium in Denton. Prescriptions are delivered to the clinic twice daily for pick-up or mailed to students for a small fee. Students wishing to use the pharmacy service to fill prescriptions written by personal physicians must complete required pharmacy forms and prescriptions must be brought or faxed to Student Health Services.

Any enrolled student may call the "Ask a Nurse" telephone service at 940-898-3827 whenever the Denton Clinic is open.

For more information regarding healthcare for TWU students, please visit the Student Health Services website (http://www.twu.edu/student-health-services).

Transportation to Student Health Services

Officers from the Department of Public Safety may, on occasion, escort sick or injured students to Student Health Services. Individuals who are sick or who have minor injuries and can walk with some assistance should be escorted to a vehicle and transported to Student Health Services. An ambulance is not available to transport students to Student Health Services. Students with serious injuries, such as broken bones, severe bleeding, prolonged unconsciousness, or spinal injury, should be transported to a city hospital via city ambulance.

Health Care – Houston

Students may access medical care in Houston through the University of Texas Health Science Center Student/Employee Health Services. Students with the Student Health Insurance Plan have the deductible waived. Immunization clinics are held periodically on the Houston campus. Students may utilize the "Ask a Nurse" telephone service at 888-898-8825, from 8AM until 5PM Monday through Friday, whenever the Denton campus is open. For additional information and location and hours of operation, contact the UT clinic at 713-500-3267 or the Student Life Coordinator at 713-794-2158.

Health Care – Dallas

Conveniently located medical care for students at the TWU T. Boone Pickens Institute of Health Sciences-Dallas includes Concentra Urgent Care, Corporate Health Management, and Parkland Health and Hospital System. Students with the Student Health Insurance Plan have the deductible waived at Concentra and Corporate Health.

Students are welcome to visit Student Health Services in Denton. Student Health Promotion programs and immunization clinics are held periodically on the Dallas campus. Students may utilize the "Ask a Nurse" telephone service at 888-898-8825 from 8AM until 5PM Monday through Friday, whenever the Denton campus is open. For additional information on location and hours of operation, contact Concentra at 214-630-2331, Corporate Health at 214-361-0995 or the Student Life Coordinator in Dallas at 214-689-6696.

Health Insurance

An optional health insurance plan is available to TWU students currently enrolled as undergraduates taking at least 6 semester credit hours and graduates taking at least 3 semester credit hours. Major illness or accidents may require special medical attention or hospitalization that is not available at the University. F1 and J1 status international students are required by federal law and university policy to enroll in the university insurance plan as a condition of admission (see below). Some majors with clinical rotations and study abroad may require that students have insurance. The University sponsored insurance program covers service on or off-campus for a semester or for a twelve-month period. Students and their parents or guardians are encouraged to consider this insurance program, and more information can be obtained by contacting Student Health Services (http://www.twu.edu/student-health-services/default.asp).

Health Insurance for International Students

As a condition of enrollment and federal law, Texas Woman's University requires all international students to maintain continuous medical and hospitalization insurance for the entire period of their enrollment at TWU. International students with an F1 or J1 visa status are required to obtain insurance coverage through the University sponsored insurance plan (http://www.twu.edu/international-education/health-insurance.asp). International students will be automatically enrolled in the insurance plan and premiums will be placed on the student's tuition and fees bill each semester.

International students may request an exception from the University sponsored insurance plan only in the following situations, if they are:

- Employed by TWU and covered by employee health insurance
- Covered by group health insurance through another U.S. employer
- Covered by spouse or parent's group insurance plan through a U.S. employer
- A sponsored student covered by insurance through his or her government
- Graduating or leaving the country for the entire summer

If an exception is granted, a charge for repatriation and evacuation may remain on the student's account, if the alternate health insurance does not include these required benefits.

In order to request an exception for Foreign Student Insurance charges, a student must complete the TWU Student Health Insurance Request for Exception/Waiver process by the specified deadline; please see Request for Exception from Foreign Student Insurance Charges (http://www.twu.edu/student-health-services/international-

students.asp) for complete instructions. All **Requests for Exception** must be submitted by**:**

- 12th class day for the fall and spring semesters
- 4th class day for the summer semesters (students with alternate insurance)
- 12th class day of the spring semester (students leaving the country for the entire summer)

Late requests will not be accepted. The request process must be repeated each semester, and it is the student's responsibility to submit requests in a timely fashion.

Tuberculosis Screening

All new students who have lived in areas of the world where tuberculosis is prevalent are required to be screened for tuberculosis (TB blood testing only); this includes all new and transfer international students and all new TEC 54.052 students. TB screening may be performed at TWU Student Health Services on the Denton campus, one of its subcontracting clinics sites in Dallas or Houston, or any other licensed medical facility in the United States. Screening for tuberculosis shall be initiated prior to registration for classes at TWU. Students with positive TB test results or history of taking TB prophylaxis or treatment are required to be evaluated by a medical provider and submit a Statement of Tuberculosis Clearance Form (http://www.twu.edu/student-health-services/forms.asp) . For additional information regarding this policy, please contact Student Health Services (http://www.twu.edu/student-health-services/default.asp). International students may consult with the Office of International Education (http://www.twu.edu/international-education).

Meningitis Vaccine

Effective January 1, 2012, Texas law requires that all new entering and transfer college students age 21 and younger must receive a vaccination or booster against bacterial meningitis. An entering student also includes a student who has had a break of enrollment of one or more fall or spring semesters. For more information, please visit the Meningitis Vaccination Requirement website (http://www.twu.edu/student-health-services/bacterial-meningitis.asp).

Student Publications

The Lasso

The Lasso, the student newspaper, informs students, faculty, staff, and others of University issues and events as well as off campus topics of importance to the community. Student publications are recognized student activities that provide both a forum for communication and training for future writers, editors, reporters, photographers, and other publication professionals. We encourage you to apply to work with us!

Tutoring Centers

Mathematics and Technology Success Center

The TWU Mathematics and Technology Success Center (MTSC) assists students in reaching their educational goals through individual or group tutoring and computer-based programs. Located in MCL 307, this center provides tutoring to TWU students enrolled in any courses with mathematics or technology components, taking the computer literacy exam, or preparing to pass the TSI mathematics requirement. For more information call 940-898-2169 or visit the MTSC website (http://www.twu.edu/mtsc).

Science Learning Resource Center

The Science Learning Resource Center (http://www.twu.edu/slrc) (SLRC) exists to assist first year and sophomore students taking courses in biology, chemistry and physics by providing tutoring and a wide variety of self-help audio-visual and computer assisted learning programs. The SLRC is also responsible for administering the Science Placement Tests to students who have not yet taken their introductory biology, chemistry, physics, and zoology courses. The Science Learning Resource Center is located in the Science Building (http://www.twu.edu/map_denton_campus.asp) on the Denton campus. For more information about SLRC call 940-898-2568 or visit the SLRC website (http://www.twu.edu/slrc).

The Write Site

The Write Site is the University's writing resource center and serves the entire University community by providing individualized or group face-to-face writing assistance; help at any stage of the writing process (brainstorming, prewriting, drafting, organization, and revision); both synchronous and asynchronous online tutoring via the OWL and OWLive; and student-led writing workshops. The Write Site provides assistance for both graduate and undergraduate students in any discipline. For more information or to make an appointment, please call 904-898-2341 or visit www.twu.edu/writesite/.

Veteran and Military Student Center

www.twu.edu/veterans/veterans-center.asp

Brittanie Romine, Assistant Director

Location: *Jones Hall, 106 and 107*
Phone: *940-898-2789*
Email: *bromine@twu.edu*

The Veteran and Military Student Center is a dedicated space for military-affiliated students. The Center offers a quiet place to study equipped with computers, desks, a campus phone, a refrigerator, microwave, and coffee maker. And a lounge space for meeting with fellow veterans and service members.

College of Arts and Sciences

Web Site: http://www.twu.edu/arts-sciences/

Dean: *Abigail C. Tilton, Associate Professor*
Location: *CFO 1210*

Interim Associate Dean: Claire Sahlin*, Professor*
Location: *CFO 1201*

Phone: *940-898-3326*
Fax: *940-898-3366*

The College of Arts and Sciences prepares graduates with a broad knowledge and understanding of the world; an in-depth knowledge of their area of specialty; sophisticated intellectual, critical thinking, and practical skills; a strong sense of personal, ethical, and civic responsibility for making a difference in society; and the ability to apply their education to enrich every aspect of their lives. The integration of academic disciplines and professional programs and facilitation of creative and critical thinking distinguish the College. The College encourages collaborations and partnerships to enhance educational, research, and career opportunities. Through a spectrum of innovative learning strategies, the College increases educational opportunities for a diverse student body, particularly women and underrepresented populations.

All of us in Arts and Sciences are committed to the goal of preparing our students to meet the challenges of an ever-changing global environment, and to meet the expressed needs of employers for graduates who are: excellent communicators, analytical thinkers, able to apply scientific and mathematical learning, proficient in the uses of technology, and culturally literate.

Within this framework, opportunities abound for students to:

- Excel academically (Honors courses, research projects, exhibitions and performance venues);
- Experience an optimum classroom and/or online distance learning environment;
- Acquire professional work experiences (Internships and cooperative education programs);
- Develop leadership skills (Student clubs and organizations);
- Prepare for graduate education or direct entry into a career;
- Begin the lifelong process of personal enrichment (community service and study tours across the country and around the world).

The College of Arts and Sciences is comprised of the departments of Biology; Chemistry and Biochemistry; English, Speech and Foreign Languages; Fashion and Textiles; History and Government; Mathematics and Computer Science; Multicultural Women's and Gender Studies; Psychology and Philosophy; Sociology and Social Work; and the School of the Arts (Dance, Drama, Music, Visual Arts).

Programs offered by the College lead to the degrees of Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Science, Bachelor of Social Work, Bachelor of General Studies, Master of Arts, Master of Fine Arts, Master of Science, and Doctor of Philosophy. Also offered are several interdisciplinary minors such as, Ethnic Studies, Global Studies, and Multicultural Women’s and Gender Studies. General degree requirements of the University can be found in Academic Information and Planning (p. 45).

Please visit our home page for more information: www.twu.edu/arts-sciences/

Bachelor of General Studies Program

Web Site: http://www.twu.edu/genstudies/

Associate Dean: *Claire L. Sahlin, Professor*
Program Director: *Brandie Golleher*

Location: *CFO 1201*
Telephone*: 940-898-3850*
Fax: *940-898-3351*
E-Mail: *csahlin@twu.edu*
E-Mail: *bgolleher@twu.edu*

The Bachelor of General Studies (BGS) degree, offered through the College of Arts and Sciences (p. 73), is an interdisciplinary program that provides versatility for adult learners and part-time students who need a flexible curriculum designed to balance work and life responsibilities with educational goals. The BGS degree may be completed 100% online, or on the Denton campus in a face to face format.

Concentration areas may be selected from the following disciplines:

- Business*
- Computer Science*
- Criminal Justice*
- English*
- Government*
- Health Studies* (2.75 cumulative GPA required to take HS courses)
- History
- Mathematics
- Music
- Sociology*
- Visual Art
- Multicultural Women's and Gender Studies*

* Indicates concentration area may be completed 100% online. More detailed information about the BGS program, including a sample degree plan, is available on the General Studies Program website. (http://www.twu.edu/genstudies/default.asp)

Total Semester Credit Hours Required

Total all semester credit hours for degree: 120
Grade of C or better required in all concentration area courses

Major/Emphasis

Total semester credit hours for major courses: 36 semester credit hours divided between 2 or 3 concentration areas.

Bachelor of General Studies Program of Study

First Year

Fall		TCCN	Semester Credit Hours
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Creative Arts Core			3
Component Area Option Core			3
General Studies Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Life/Physical Science Core			3
Component Area Option Core			3
General Studies Elective			3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
GOV 2013	U.S. National Government	GOVT 2305	3
Language, Philosophy, and Culture Core			3
Social/Behavioral Science Core			3
Global Perspective or Elective			3
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
Mathematics Core			3
Elective			3
Elective			3
	Semester Credit Hours		15

Third Year

Fall		TCCN	
Concentration Area One			3
Concentration Area One			3
Concentration Area Two			3
Concentration Area Two			3
Concentration Area Three or Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
Concentration Area One			3
Concentration Area One			3
Concentration Area Two			3
Concentration Area Two			3

Concentration Area Three or Electives		3
	Semester Credit Hours	15
Fourth Year		
Fall	**TCCN**	
Concentration Area One or Elective		3
Concentration Area One or Elective		3
Concentration Area Two or Elective		3
Concentration Area Two or Elective		3
Concentration Area Three or Elective		3
	Semester Credit Hours	15
Spring	**TCCN**	
Concentration Area 3 or Elective		3
Elective		3
Elective		3
Elective		3
Elective		3
	Semester Credit Hours	15
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Criminal Justice Program

Web Site: http://www.twu.edu/criminal-justice/

Program Director: *James L. Williams, Professor*
Location: *CFO 305*
Phone: *940-898-2052*
Fax: *940-898-2067*
E-mail: *sociology@twu.edu*

Undergraduate Degrees Offered

- B.S. in Criminal Justice (p. 81)

Undergraduate courses are regularly taught by faculty from the Departments of Sociology and Social Work and History/Government

The Criminal Justice Program offers an undergraduate major leading to the Bachelor of Science degree. A minor in Criminal Justice is also offered. The criminal justice major provides students interested in the various aspects of criminal justice with a broad, general education with emphasis on the social sciences. Students become acquainted with the legal aspects, agencies, procedures, and operations of the criminal justice system including law enforcement, the judicial system, corrections, and social services. To help prepare for careers in the criminal justice system, students are encouraged to consider a wide range of internship opportunities offered in the program. Students are prepared to work in a variety of careers in the criminal justice system and in related occupations.

Transfer Students

Transfer students are welcome to complete their criminal justice major in this program. Special care has been taken to structure the curriculum to facilitate transfer of credit from all community college programs in Texas. All required courses for the major can now be completed online within a two year period.

Special Requirements

No grade lower than C can be counted as credit toward completion of a major in Criminal Justice. A course can be repeated for credit no more than twice – that is, taken a total of three times.

No more than three semester credit hours of Internship credit can be counted toward a major in Criminal Justice, and none can be counted toward a minor.

Criminal Justice Majors must take a three-semester credit hour 1000-level sociology course (preferably SOCI 1013, with a grade of C or better) before taking an advanced sociology course.

Bachelor of Science Degree in Criminal Justice

The major in Criminal Justice is interdisciplinary and social science based. Course offerings include Crime in America, Sociology of Deviance, Constitutional Law, Correctional Systems and Practices, Comparative Criminal Justice, and Women, Crime, and Justice. Opportunities for practical work experience are provided through internships and the University's Cooperative Education program.

Completion of a B.S. degree with a major in Criminal Justice requires that the student meet all the university's general requirements for the appropriate degree. The major in Criminal Justice consists of 54 semester credit hours as outlined below. A minor is optional and if elected, students are encouraged to consider such minors as accounting, business administration, computer science, economics, government, management, psychology or sociology. Elective semester credit hours are available to allow the student to pursue individual interests as well as to further strengthen career preparation.

For descriptions of required and elective courses, please see the Sociology and Social Work course descriptions and the History/Government course descriptions.

Admissions

Please see Admission (p. 18) section of this catalog. The same standards for admission to the University apply to the Criminal Justice Program.

Minors

Criminal Justice Minor

A minor in Criminal Justice consists of 18 semester credit hours as follows:

SOCI 2133	Crime in America	3
SOCI 2213	Introduction to Criminal Justice	3
Select 6 semester credit hours from the following:		6
SOCI 3003	Theories of Crime and Deviance	
SOCI 3043	Deviant Behavior and Social Control	
SOCI 3063	Topics in Urban Sociology	
SOCI 3093	Racial and Ethnic Groups in the United States	
SOCI 3113	Juvenile Delinquency	
SOCI 4023	Sexualities and Identities: Lesbian, Gay, Bisexual, and Transgender Studies	
SOCI 4203	Family Violence and Sexual Assault	
SOCI 4303	Correctional Systems and Practices	
SOCI 4043	Law and Society	3
SOCI 4053	Race, Crime, and Justice	3
SOCI 4403	Community Corrections	3
SOCI 4083	Comparative Criminal Justice	3
Select 6 semester credit hours from the following:		6
GOV 3153	Legal Environment	
GOV 3233	Police, Policies, and Practices	
GOV 3393	Law for Women	
GOV 3243	Criminal Law	
GOV 3253	Criminal Evidence and Procedure	
GOV 4073	Constitutional Law: Governmental Structure	
GOV 4083	Constitutional Law: Individual Rights	
GOV 4113	Public Administration	
GOV 4133	Women in Leadership	
GOV 4433	Family Law	
GOV 4093	Constitutional Rights and Criminal Justice	3

Government Courses

GOV 2013. U.S. National Government. (TCCN GOVT 2305) Origin and development of the U.S. Constitution; structure and powers of the national government including the legislative, executive, and judicial branches; federalism; democratic theory, political participation, and the national election process; policy-making and factors influencing national policy decisions; civil liberties and civil rights; American foreign relations; demographics and the politics of race, gender, and class in the American political system. Three lecture hours a week. Credit: Three hours.

GOV 2023. Texas Government. (TCCN GOVT 2306) Origin and development of the Texas Constitution; structure and powers of the state government including the legislative, executive, and judicial branches; federal-state relations; political participation and the election process in Texas; local governments; policy-making and factors influencing policy decisions in Texas; demographics and the politics of race, gender, and class in the Texas political system. Three lecture hours a week. Credit: Three hours.

GOV 2223. Criminal Investigation. (TCCN CRIJ 2314) Investigative theory; collection and preservation of evidence; interview and interrogation; uses of forensic sciences; case and trial preparation. Prerequisite: Three hours of government or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3013. Community Conversation in Sustainability. Sustainability issues from scientific, sociological, and business perspectives. Topics include the impacts of energy production, food production, industry, and our modern lifestyle on our local and global community with an emphasis on systems and possible solutions. Three lecture hours a week. Credit: Three hours.

GOV 3053. The American Presidency. Recruitment, selection, and authority; interaction of the executive branch with Congress, parties, the courts, and the public; the influence of personality on performance. Prerequisite: Three hours of government or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3063. Women in Politics. Impact of gender on power and influence in society; political socialization, participation, and leadership of women; women's political issues and movements. Prerequisite: Three hours of government or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3123. Legal Research. Techniques of legal research and writing, sources of the law and how each can be found; case analysis, legal citation, legal bibliography, and computer-assisted legal research. Prerequisite: GOV 3113 or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3133. Legal Research II. Analysis of legal problems, and effective communication of that analysis through drafting legal documents such as office memoranda, letters, pleadings, motions, briefs, contracts, and wills. Discussion of writing style focusing on the policies underlying conventions of composition and presentation of legal authority. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3153. Legal Environment. Introduction to law and the legal professions; the role of the various actors in the legal process including lawyers, paralegals, judges, and court administrators; legal ethics; basic legal terminology; structure, functions, and political impact of the judicial system at the local, state, and national levels. Prerequisite: Three hours of government or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3203. American Environmental History, Culture, and Law. Examination of the transformation of the American environmental landscape; cultural adaptation to this transformation, and public attitudes toward the sustainable use of natural resources. Three lecture hours a week. Credit: Three hours.

GOV 3233. Police, Policies, and Practices. The police profession; organization of law enforcement systems; the police role; police discretion; ethics; police-community interaction; current and future issues. Prerequisite: Three hours of government or permission of the instructor. Three lecture hours a week. Credit: Three hours.

GOV 3243. Criminal Law. A study of the nature of criminal law; philosophical and historical development; major definitions and concepts; classification of crime; elements of crimes and penalties using Texas statutes as illustrations; criminal responsibility. Prerequisite: Three hours of government or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3253. Criminal Evidence and Procedure. The judiciary in the criminal justice system; structure of American court system; prosecution; right to counsel; pre-trial release; grand juries; adjudication process; types and rules of evidence; sentencing. Prerequisite: Three hours of government or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3303. The American Legislative Process. The legislative branch of government; including both Congress and state legislative bodies; influences on the legislative process. Course offered in alternate spring semesters coinciding with the biennial sessions of the Texas Legislature and using the current session for special class study. Prerequisites: Three hours of government or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3393. Law for Women. Impact of gender on legal status; evolution of the current legal environment, with an emphasis on parallels between racial and gender discrimination; substantive law regarding working conditions, compensation, education, the family, reproductive rights, and criminal law; feminist perspectives on legal reforms to improve the professional lives of women and men. Three lecture hours a week. Credit: Three hours.

GOV 3413. Estate Planning. Probating wills; family planning; stocks; buying or selling a home; insurance needs; minimizing taxes; Social Security; consumer purchasing; bank accounts; urgent need for a will. Three lecture hours a week. Prerequisite: Three hours of government or permission of instructor. Credit: Three hours.

GOV 3513. Japanese Culture and Politics. An introduction to modern Japan with particular emphasis on Japanese politics. Topics include Japanese language and literature, geography, religion, the arts, social dynamics, education, economics, history, constitutionalism, government institutions, political parties, elections, and foreign policy. The Japanese way of politics is related to larger forces in Japanese culture. Three lecture hours a week. Credit: Three hours.

GOV 3723. Modern Political Thought. A study of Western political theory from the Renaissance to the present with particular emphasis on the development of contemporary ideologies: liberalism, socialism, nationalism, Marxism, fascism. Prerequisites: Three hours of government or permission of instructor or head of department. Three lecture hours a week. Credit: Three hours.

GOV 4013. Alternative Dispute Resolution. Introduction to alternatives to litigation to resolve disputes. Consideration of traditional negotiation, mediation, arbitration, moderated settlement conferences, and minitrials. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 4073. Constitutional Law: Governmental Structure. The development of the American Constitution through judicial interpretation by the Supreme Court, including cases involving commerce, taxation, divisions of powers, and separation of powers. Prerequisites: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4083. Constitutional Law: Individual Rights. Judicial cases, especially those involving the Bill of Rights, the Fourteenth and Fifteenth Amendments. Prerequisites: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4093. Constitutional Rights and Criminal Justice. Constitutional rights as interpreted by courts and application by criminal justice system. Analysis of decisions and empirical research assessing the extent to which decisions are consistently applied by the criminal justice personnel. Three lecture hours a week. Credit: Three hours.

GOV 4113. Public Administration. Introduction to the study of bureaucracies. Examines such theoretical, political, and practical issues as decision-making, budgeting, staffing, and organizational structure. Considers the influence of bureaucracy on policy formation and implementation. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4133. Women in Leadership. An introduction to the principles and practices of leadership, with emphasis on women in exercising leadership. Stresses political leadership, but includes business and community leadership as well. Prerequisite: Sophomore standing or above. Three lecture hours a week. Credit: Three hours.

GOV 4203. Civil Trial Practice and Litigation. Texas and federal laws regarding preparation and trial of civil actions; procedures for recovering compensation from automobile accidents, miscellaneous torts, and breach of contract. Follow a civil suit through the judicial system from the initial client interview through trial and appeal. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4433. Family Law. Study of the legal aspects of marriage/other relationships; duties and liabilities of husband/wife/children; adoption; illegitimacy; annulment; separation; divorce, delinquent children; field trip(s). Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4453. Real Estate Law. Legal principles governing real estate transactions, with particular attention to sales contracts, deeds, mortgages, title insurance, and Texas community property and homestead laws. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4503. Criminal Justice Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. Prerequisites: Twelve hours of government, including six hours advanced, and approval of internship director. May be repeated. Eight practicum hours a week. Credit: Three hours.

GOV 4506. Criminal Justice Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. Prerequisites: Twelve hours of government, including six hours advanced, and approval of internship director. May be repeated. Sixteen practicum hours a week. Credit: Six hours.

GOV 4523. American Foreign Policy. Constitutional framework and actors in foreign policy decision-making; roles of the President and Congress; the art of diplomacy. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4533. International Relations. The interaction of countries and nonstate actors in the area of diplomacy, international law, international economics, international organization, and war. A study of the general pattern of political, economic, social, geographical, and technological relationships in world affairs. Prerequisites: Six hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4553. Modern Nationalism. Modern nationalism; patriotism and nationality; the impact of nationalism on current world events. How nationalism can led to terrorism and civil warfare. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4603. Legal Studies Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. Prerequisites: Nine hours of legal studies courses and approval of internship director. Eighteen practicum hours a week. Credit: Three hours.

GOV 4606. Legal Studies Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. May be repeated. Prerequisites: Nine hours of legal studies courses and approval of internship director. Sixteen practicum hours a week. Credit: Six hours.

GOV 4613. Comparative Government: Western Europe. Constitutional structures, methods, philosophies, and policies of selected governments in the Western world. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4633. Comparative Government: Africa and Asia. Constitutional structures, methods, philosophies, and policies of selected Asian and African governments. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4703. Public Affairs Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. Prerequisites: Twelve hours of government, including six hours advanced, and approval of internship director. Eight practicum hours a week. Credit: Three hours.

GOV 4706. Public Affairs Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. Prerequisites: Twelve hours of government, including six hours advanced, and approval of internship director. Sixteen practicum hours a week. Credit: Six hours.

GOV 4803. Government Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. Prerequisites: Twelve hours of government, including six hours of advanced government, and consent of internship coordinator. May be repeated. Eight practicum hours a week. Credit: Three hours.

GOV 4806. Government Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. Prerequisites: Twelve hours of government, including six hours advanced, and approval of internship director. Sisteen practicum hours a week. Credit: Six hours.

GOV 4813. Seminar in Public Policy. Analysis of the formation, implementation, and impact of public policy in selected areas of current interest. May be repeated. Prerequisite: Three hours of government. Three seminar hours a week. Credit: Three hours.

GOV 4901. Special Topics. Organized course with each section's title and content varying with specific subject matter and topic offered. Prerequisite: Three hours of government. One lecture hour a week. Credit: One hour.

GOV 4903. Special Topics. Organized course with each section's title and content varying with specific subject matter and topic offered. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4911. Independent Study. Individual study of selected topics in government. Prerequisites: Three hours of government and consent of instructor. Credit: One hour.

GOV 4913. Independent Study. Individual study of selected topics in government. Prerequisites: Three hours of government and consent of instructor. Credit: Three hours.

GOV 4933. Senior Seminar. Capstone course for all government majors; focus on extensive readings and portfolio development including both verbal and written presentations of research findings. Prerequisite: Fifteen hours of advanced government or consent of instructor. Three seminar hours a week. Credit: Three hours.

GOV 4953. Cooperative Education. Nine practicum hours a week. Credit: Three hours.

GOV 4956. Cooperative Education. Eighteen practicum hours a week. Credit: Six hours.

Sociology Courses

SOCI 1013. Introductory Sociology. (TCCN SOCI 1301) Basic concepts, theoretical orientations, research, and applications in sociology. Survey U.S. and global contexts of social organization, culture, socialization, institutions, populations, and society diversity. Examines basic sociological ideas of social interaction, structure, and change in the U.S. and globally. Three lecture hours a week. Credit: Three hours.

SOCI 1023. Current Social Problems. (TCCN SOCI 1306) Examines linkages between personal problems, social problems, and social policy. Critical analysis of problems such as inequality, health care, substance abuse, the environment, family violence, etc. as these relate to societal conditions. Three lecture hours a week. Credit: Three hours.

SOCI 1413. Culture, Inequality, and Self. Human behavior as affected by culture, social institutions, class, ethnicity, and interpersonal relations. Three lecture hours a week. Credit: Three hours.

SOCI 2023. Marriage, Family, and Intimate Relationships. (TCCNS SOCI 2301) Overview of the structural, developmental, functional, and institutional aspects of marriage, intimate relationships, and the family. Changes in family patterns and racial, cultural, and ethnic diversity in families. Three lecture hours a week. Credit: Three hours.

SOCI 2133. Crime in America. (TCCN CRIJ 1307, SOCI 2336) U.S. crime problems in sociological perspective; public policies affecting crime; impact of inequality, race, and gender on crime; crime trends; crime patterns; theories of criminal behavior; prevention of crime. Three lecture hours a week. Credit: Three hours.

SOCI 2213. Introduction to Criminal Justice. History and philosophy of criminal justice and ethical considerations; crime defined: its nature and impact; overview of criminal justice system; law enforcement; court system; prosecution and defense; trial process; corrections. Three lecture hours a week. Credit: Three hours.

SOCI 3003. Theories of Crime and Deviance. Examination of leading theories of crime and deviance. Classical and contemporary theories are reviewed, with particular attention to the context within which each developed. Emphasis is on applications to the study of crime and crime control. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3023. Introduction to Sociological Theory. Historical development of sociological theory, structure and role of theory, sociological theoretical perspectives, and major sociological theories from classics to contemporary sociology. Required of sociology majors. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3043. Deviant Behavior and Social Control. Examines social definitions of deviant behavior; the historial development of knowledge concerning deviance; theories of deviance; and the development, organization, and operation of systems of social control including criminal justice, mental health, and welfare. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3053. Social Research. Introduction to research in the social sciences and practice fields. Emphasizes the decision making involved in planning and executing a study. Gives practice in all stages of the research process. Students are expected to plan and carry out a group or individual research project. Prerequisite or co-requisite: SOCI 3163 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3063. Topics in Urban Sociology. Historical and contemporary developments in urban sociology including the local community. Emphasis will vary depending on current issues and research, such as classical and contemporary theory and research, urban political economy, community organization-development, community relations, and the non-profit sector (community assessment, social activism, and volunteerism). May be repeated for credit as topics vary. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3073. Social Inequality. The study of social inequality in human society, with emphasis on the social class structure of society, its origins, development, and consequences for the society and the individual. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3083. Population Dynamics. Population theories, the use and interpretation of demographic data, population change and policy, relationships between population, and socioeconomic factors. Emphasizes demographic processes and compositions in age, sex, residence, race/ethnicity, socioeconomic status of U.S., and world populations. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3093. Racial and Ethnic Groups in the United States. Sociological perspectives on the dynamics of racial and ethnic relations focusing on social structure, group interaction processes, group inequality, cultural diversity, and gender relations within and between groups. Uses sociological-historical analysis, gendered analysis, social theory/research to study Native Americans, African Americans, Asian Americans, Latinos, and European Americans. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3113. Juvenile Delinquency. The adjustment of youths as they take on the roles and statuses culturally defined for their age group; emphasis on causation, treatment, and prevention of juvenile delinquency; sociological principles for working with youth. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3133. Sociology of Religion. Religious behavior in primitive, folk, and modern societies, religious participations, practices, and control in contemporary society; religion as a social institution and its relation to other institutions. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3153. Sociology of Health and Illness. Introduction to the field of medical sociology. Sociology theories and concepts applied to the field of health care: cultural definitions of illness, social roles of health care personnel, emphasis on input of social research in health care. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3163. Social Statistics. Introduction to basic statistical techniques in the social and behavioral sciences and data analysis using computers. Basic descriptive statistics, measures of central tendency and variation, normal curve, hypothesis testing, t tests, ANOVA, chi square test, measures of association, regression and correlation. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3193. The Mexican American in Contemporary Society. A sociological analysis of Mexican American history, heritage, and people, and of their contributions to American life. Focus on the political, social, and cultural forces that affect this group in the United States. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3213. Women's Roles. Women's roles are examined in the context of social institutions such as the family, the economy, and the government. Implications of sexual inequality; changing gender roles; and diversity by race, ethnicity, class, and age. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3223. Women, Crime, and Justice. Introduction to gender, crime, and justice. Focus on women as offenders, as crime victims, and as employees in criminal justice. Feminist and critical perspectives on women, girls, and crime. Issues of gender inequality in criminal justice policy and practice. Prerequisite: SOCI 1013, SOCI 3213, WS 3213, WS 2013, or WS 3023. Three lecture hours a week. Credit: Three hours.

SOCI 3273. World Regional Geography. (TCCN GEOG 1303) Introduction to major concepts in geography. Criteria for definition of regions. Survey of world cultural regions with emphasis on factors (physical, demographic, economic, political) affecting level of development and patterns of regional interaction. This course will not satisfy sociology requirement for the baccalaureate degree. Three lecture hours a week. Credit: Three hours.

SOCI 3293. Asian Americans. Survey of major Asian American groups: Chinese, Japanese, Filipinos, Koreans, Asian Indians, and Indochinese. Emphasis on origin, culture, immigration history, adaptation experience, and current status. Sociological perspectives related to Asian American experiences and issues. Three lecture hours a week. Credit: Three hours.

SOCI 3303. Cultural Anthropology. Description and analysis of human cultures: the socially learned traditions of past and present ages. Global and comparative perspective for understanding the origin and prospects of societies in the modern world. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3423. Individual and Society. Sociological research on the relationship between individuals and society; current theoretical perspectives including symbolic interactionism, role theory, and dramaturgy; includes personality and social structure, socialization, deviance, and sociological research on the self. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3483. Developing Societies. Survey of global development issues: definitions and theoretical perspectives. Case studies from varied world regions illustrate development strategies and outcomes. Examines role of international organizations and policies. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3523. Internet and Society. Social, economic, political, and cultural impact of the internet and electronic communication technology. Topics including social networking, cybercapitalism, internet crime, privacy, surveillance, and internet regulation. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 4013. The Family. A sociological and feminist analysis of the family as an institution and dynamics of the interpersonal relations of marriage and family. Examines cultural diversity among families as well as historical changes in the family and the impact of social policy. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 4023. Sexualities and Identities: Lesbian, Gay, Bisexual, and Transgender Studies. Sexuality as an identity formation, social category, and theoretical construct. Interdisciplinary in focus and foundation. Aesthetic, cultural, historical, and institutional discourses that frame our contemporary understandings of sexuality. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 4043. Law and Society. Sociological analysis of the relationship between law and society. Examination of legal institutions, law and social structure, law and social change, and sociological theories and research. Prerequisite: SOCI 1013 for Sociology and Criminal Justice majors. Three lecture hours a week. Credit: Three hours.

SOCI 4053. Race, Crime, and Justice. Relationships between crime, criminal justice, and racial/ethnic minorities. Issues of racial and ethnic inequality in criminal justice policy and practice. Examination of current controversies. Prerequisite: SOCI 1013 for Sociology and Criminal Justice majors. Three lecture hours a week. Credit: Three hours.

SOCI 4083. Comparative Criminal Justice. Sociological analysis of world legal and criminal justice systems. Examination of systems of law, organization of police, courts, and correctional systems. Three lecture hours a week. Credit: Three hours.

SOCI 4103. Senior Seminar: Theory and Practice. Selected theories and concepts with emphasis on application in social organizations, occupations, research, and social policy. State of the discipline, professional ethics, preparations for job market and/or graduate school. Prerequisites: SOCI 3023, SOCI 3053, and senior standing. Three lecture hours a week. Credit: Three hours.

SOCI 4203. Family Violence and Sexual Assault. Examines the various forms of family violence and sexual assault with an emphasis on women as victims and as survivors. Theoretical explanations, research literature, treatment, and prevention will be studied in relation to child abuse, battering, incest, and sexual assault. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 4303. Correctional Systems and Practices. Corrections in the criminal justice system; organization of correctional systems; role of criminal justice practitioners; institutional operations; alternatives to incarceration; treatment and rehabilitation; current and future issues. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 4403. Community Corrections. Sociological study of community corrections including probation, parole, and intermediate sanctions. Examination of contemporary practices and trends in community corrections. Three lecture hours a week. Credit: Three hours.

SOCI 4603. Sociology of Disasters. Sociological study of disaster events. Social factors affecting vulnerability and disaster response. Case studies of major disasters. Relationship of disasters to social change. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 4903. Special Topics. Topics of timely interest or importance but not included or adequately covered in the present inventory of courses. May be repeated for credit when topic varies. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 4911. Independent Study. A focused, independent study. Prerequisite: SOCI 1013 for Sociology majors. Credit: One hour.

SOCI 4913. Independent Study. A focused, independent study. A contractual agreement between a student and an instructor who agrees to supervise the work and engage in one-on-one instruction. Research projects or concentrated reading are examples of appropriate independent study. Prerequisite: SOCI 1013 for Sociology majors. Credit: Three hours.

SOCI 4953. Internship. Practical experience and supervised training in a work environment consistent with student's major and career goals. Pass-Fail grade only. Prerequisite: SOCI 1013 for Sociology majors. Thirteen practicum hours a week. Credit: Three hours.

SOCI 4956. Internship. Practical experience and supervised training in a work environment consistent with student's major and career goals. Pass-Fail grade only. Prerequisite: SOCI 1013 for Sociology majors. 26 practicum hours a week. Credit: Six hours.

Faculty

Professors

LO, CELIA, Professor of Sociology; Chair of the Department of Sociology and Social Work. B.S., Hong Kong Shue Yan University; M.A., University of Alabama; Ph.D., University of Alabama.

SADRI, MAHMOUD, Professor of Sociology. B.A., University of Teheran : Teheran, Iran; M.A., University of Teheran : Teheran, Iran; Ph.D., New School for Social Research.

SANDEL, MARK H., Professor and Program Director of Social Work. B.S., University of North Texas; M.S.W., University of Texas at Arlington.

WILLIAMS, JAMES L., Professor of Sociology. A.B., University of Georgia; M.A., University of Georgia; M.A.Ed., Western Carolina University; Ph.D., University of Georgia.

YANG, PHILIP Q., Professor of Sociology. B.A., Zhongshan University : China; M.A., University of California, Los Angeles; Ph.D., University of California, Los Angeles.

Associate Professors

BRACKENRIDGE, SANDRA, Associate Professor of Social Work. B.A., Newcomb College of Tulane University; M.S.W., Tulane University.

MARSHALL, LINDA L., Associate Professor of Social Work. B.A., Texas Tech University; M.S.S.W, University of Texas at Arlington; Ph.D., Texas Woman's University.

TILTON, ABIGAIL C., Associate Professor of Social Work; Associate Dean of the College of Arts and Sciences. B.S.W., University of North Texas; M.S.S.W., University of Texas at Arlington; Ph.D., University of North Texas.

Assistant Professors

GULLION, JESSICA S., Assistant Professor of Sociology. B.A., Texas Tech University; M.A., Southwest Texas State University; Ph.D., Texas Woman's University.

KELLY-RICKS, NILA N., Assistant Professor of Social Work. B.S., Oklahoma State University; M.S.W., University of Oklahoma; Ph.D., University of Texas at Arlington.

RUNNELS, RATONIA C., Assistant Professor of Social Work. B.A., University of Texas at Austin; M.S., University of Texasat Austin; Ph.D., University of Texas at Austin.

Bachelor of Science in Criminal Justice

Total Semester Credit Hours Required

120 semester credit hours.

Major

54 semester credit hours.

Courses Required for Criminal Justice Major

Required courses for Major:

SOCI 1013	Introductory Sociology	3
SOCI 1023	Current Social Problems	3
SOCI 2133	Crime in America	3
SOCI 3003	Theories of Crime and Deviance	3
SOCI 3053	Social Research	3
SOCI 3163	Social Statistics	3
GOV 3243	Criminal Law	3
GOV 4083	Constitutional Law: Individual Rights	3
GOV 4093	Constitutional Rights and Criminal Justice	3
Choose 9 Semester Credit Hours		9
SOCI 3073	Social Inequality	
SOCI 3093	Racial and Ethnic Groups in the United States	
SOCI 3223	Women, Crime, and Justice	
SOCI 4053	Race, Crime, and Justice	
Choose 6 Semester Credit Hours		6
GOV 3233	Police, Policies, and Practices	
SOCI 4403	Community Corrections	
SOCI 4043	Law and Society	
SOCI 4303	Correctional Systems and Practices	
Choose 6 Semester Credit Hours		6
PHIL 3053	Ethics	
SOCI 3523	Internet and Society	
SOCI 4083	Comparative Criminal Justice	
SOCI 4043	Law and Society	
Choose 6 Semester Credit Hours		6
PHIL 3053	Ethics	
SOCI 3043	Deviant Behavior and Social Control	
SOCI 3063	Topics in Urban Sociology	
SOCI 3113	Juvenile Delinquency	
SOCI 3303	Cultural Anthropology	
SOCI 3423	Individual and Society	
SOCI 4203	Family Violence and Sexual Assault	
SOCI 4953	Internship	
GOV 2223	Criminal Investigation	
SOCI 4083	Comparative Criminal Justice	
GOV 3153	Legal Environment	
GOV 3253	Criminal Evidence and Procedure	
GOV 4073	Constitutional Law: Governmental Structure	
GOV 4503	Criminal Justice Internship	
Total Semester Credit Hours		54

Bachelor of Science in Criminal Justice Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Life/Physical Sciences Core			3
Creative Arts Core			3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness or Math CAO Core			2
	Semester Credit Hours		15
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Life/Physical Sciences Core			3
Multicultural Women's Studies CAO Core			3
Elective			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
SOCI 1013 (GP)	Introductory Sociology	SOCI 1301	3
Language, Philosophy, and Culture Core			3
SOCI 2213	Introduction to Criminal Justice		3
Social/Behavioral Sciences Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
SOCI 1023	Current Social Problems	SOCI 1306	3
SOCI 2133	Crime in America	CRIJ 1307, SOCI 2336	3
Elective			3
Mathematics Core			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
SOCI 3053	Social Research		3
SOCI 3163	Social Statistics		3
SOCI 3073	Social Inequality		3
GOV 3243	Criminal Law		3
Select 3 semester credit hours of electives			3
	Semester Credit Hours		15
Spring		**TCCN**	
SOCI 3003	Theories of Crime and Deviance		3
Select 3 semester credit hours			3
SOCI 3093	Racial and Ethnic Groups in the United States		
SOCI 3223	Women, Crime, and Justice		
SOCI 4053	Race, Crime, and Justice		
Select 9 semester credit hours of advanced electives			9
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
Select 6 semester credit hours			6
GOV 3233	Police, Policies, and Practices		
SOCI 4303	Correctional Systems and Practices		
SOCI 4403	Community Corrections		
Select 6 semester credit hours			6
PHIL 3053	Ethics	PHIL 2306	
SOCI 3523	Internet and Society		
SOCI 4043	Law and Society		
Select 3 semester credit hours of advanced electives			3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 4083	Constitutional Law: Individual Rights		3
Select 6 semester hours			6
PHIL 3053	Ethics	PHIL 2306	
SOCI 3043	Deviant Behavior and Social Control		
SOCI 3063	Topics in Urban Sociology		
SOCI 3113	Juvenile Delinquency		
SOCI 3303	Cultural Anthropology		
SOCI 3423	Individual and Society		
SOCI 4953	Internship		
GOV 2223	Criminal Investigation	CRIJ 2314	
GOV 3153	Legal Environment		
SOCI 4083	Comparative Criminal Justice		
GOV 4073	Constitutional Law: Governmental Structure		
GOV 4093	Constitutional Rights and Criminal Justice		
GOV 4503	Criminal Justice Internship		
Select 6 semester credit hours of advanced electives			6
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Department of Biology

Web Site: http://www.twu.edu/biology

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Undergraduate Academic Advisor: *Kirsten Donohoo*
Location: *GRB 329*
Phone: *940-898-3328*
E-mail: *kdonohoo@twu.edu*

Undergraduate Degrees Offered

All bachelor's degrees in Biology require a minimum of 120 semester credit hours and a minor of at least 18 semester credit hours of which a minimum of 6 semester credit hours must be upper division. Consult the minor department for any additional requirements.

- B.S. in Biology (p. 87)
- B.S. in Biology with Teacher Certification for 4-8 Science (p. 89)
- B.S. in Biology with Teacher Certification for 7-12 Composite Science (p. 91)
- B.S. in Biology with Certification for 7-12 Life Science (p. 93)
- B.S. in Medical Technology (p. 95)

For more information about the department, please visit the Department of Biology (http://www.twu.edu/biology) webpage. For information about the teacher education program, please visit the Science Teacher Education (http://www.twu.edu/science-teacher-education) webpage.

The Department of Biology is diversified so that students may select a curriculum that fits their choice of professions. These include a major in Biology, which provides preparation for Medical, Dental or Veterinary School; a major in Biology with Research Emphasis; or a major in Biology with preparation for a career in education. Students with emphasis in any of these areas are advised by a special advisor and should follow the specific recommendations outlined in the respective study plan. There is also the option to major in Biology in preparation for the Medical Technology Degree, which begins with courses in Biology for three years before entering a Medical Technology School. Please see the next section on the Medical Technology program.

The Department of Biology also offers a minor in Biology, a Master of Science in Biology: Research/Thesis or Professional Paper options, a Ph. D. in Molecular Biology and a minor in General Science in cooperation with the Department of Chemistry and Biochemistry. For graduate offerings, please refer to the graduate catalog.

Biology Major with Research Emphasis (120 semester credit hours)

This option is open to undergraduate students who wish to gain knowledge and experience in performing biology laboratory research and plan to pursue a career in scientific research and/or biotechnology. They also may plan to pursue a masters-level or doctoral-level program in the sciences or attend a professional school. The advantage of this program is the requirement for at least three semesters of undergraduate research experience. Admission to this program is by application only. Students should have applied for admission to the program by the beginning of their Sophomore year. Application forms may be obtained from the departmental secretary.

During the first three years of the program, students complete their core requirements for the B.S. degree in Biology and their core requirements in Chemistry. Before the Junior year, students should have initiated a research project with a Biology faculty member. Students must complete three (3) semesters of undergraduate research and must be enrolled in BIOL 4983 each semester while involved in the research project. This project culminates in the Senior year with preparation of a publishable Senior Thesis. Additional required elective courses in Biology and Chemistry are selected through consultation with their Biology Department advisor.

Graduate Courses

Refer to the Graduate Catalog (http://catalog.twu.edu/graduate) for information regarding graduate courses.

Admissions

Please see Admission (p. 18) section of this catalog. The same standards for admission to the University apply to the Department of Biology.

Minors

Biology Minor

A minor in biology requires 18 semester credit hours, six of which must be advanced.

General Science Minor

The minor in General Science requires 18 hours, six of which must be advanced. These must be divided among three of the following: chemistry, biology, physics, and science courses. If the major is biology or chemistry the hours must be divided between two of the remaining three.

Bacteriology Courses

BACT 1001. Microbiology Laboratory. (TCCN BIOL 2120) Practical experiences using the tools of microbiology: culturing, staining, fermentation, and colony studies. Co-requisite: BACT 1003. Three laboratory hours a week. Credit: One hour.

BACT 1003. Microbiology. (TCCN BIOL 2320) Principles, historic concepts, sterility, chemotherapy and antibiotics, immunology, serology, and diseases caused by microorganisms. Co-requisite: BACT 1001. Three lecture hours a week. Credit: Three hours.

BACT 3111. General Microbiology Laboratory. Principles of classification, anatomy, nutrition, reproduction, growth, metabolism, and control of viruses, bacteria, fungi, and rickettsia. Prerequisites: Junior standing and six hours of biological sciences. Co-requisite: BACT 3113. Four laboratory hours a week. Credit: One hour.

BACT 3113. General Microbiology. Principles, classification, anatomy, reproduction, growth, metabolism, and control of viruses, bacteria, fungi, and rickettsia. Prerequisites: BIOL 1123 and CHEM 1113. Co-requisite: BACT 3111. Three lecture hours a week. Credit: Three hours.

BACT 4111. Immunology Laboratory. Preparation and evaluation of immunizing agents; clearance by the reticuloendothelial system; antigen-anibody reactions as evaluated by agglutination, precipitation, complement-fixation, and ELISA assays; immunochemistry techniques and immunopathology reactions. Prerequisites: BACT 3111, BACT 3113, and CHEM 2213. Co-requisite: BACT 4113. Three laboratory hours a week. Credit: One hour.

BACT 4113. Immunology. Specific and non-specific immune responses, antigens, antibody structure, genetic bases of antibody structure, cell-mediated immunity, hypersensitivity reactions, and transplantation immunology. Prerequisite: BACT 3111, BACT 3113, and CHEM 2213. Co-requisite: BACT 4111. Three lecture hours a week. Credit: Three hours.

BACT 4413. Virology. Morphology, growth, and classification of viruses; pathogenesis, epidemiology, and chemotherapy of major disease-producing viruses. Prerequisites: BIOL 1123, CHEM 3223, and BACT 3113. Three lecture hours a week. Credit: Three hours.

Biology Courses

BIOL 1013. Human Biology. Structure and function of the human body and its relationship to health and disease; interrelationships between individuals, groups, and environments; development of skills in problem solving and critical thinking; and discussion of recent human-related events impacting physiological functions. Two lecture hours and three laboratory hours a week. Credit: Three hours.

BIOL 1023. Environmental Biology. (TCCN BIOL 2306) Diversity of life; interrelationships between organisms and their environment; environmental interaction problems. Course for non-science majors. Two lecture and three laboratory hours a week. Credit: Three hours.

BIOL 1111. Principles of Biology I Laboratory. (TCCN BIOL 1106) Experiences with basic fundamentals of biology, including structure and function from cell to organism. Emphasis on plants as organisms. For science majors and minors. Co-requisite: BIOL 1113. Three laboratory hours a week. Credit: One hour.

BIOL 1113. Principles of Biology I. (TCCN BIOL 1306, BIOL 1406)Development of current concepts in cell structure and functions with introduction to organismal level. For science majors and minors. Co-requisite: BIOL 1111. Three lecture hours a week. Credit: Three hours.

BIOL 1121. Principles of Biology II Laboratory. (TCCN BIOL 1107) Experience with basic fundamentals of organismal biology of plants and animals. For science majors and minors. Prerequisite: BIOL 1111. Co-requisite: BIOL 1123. Three laboratory hours a week. Credit: One hour.

BIOL 1123. Principles of Biology II. (TCCN BIOL 1307, BIOL 1407) Organismal and population biology of plants and animals. For science majors and minors. Co-requisite: BIOL 1121. Three lecture hours a week. Credit: Three hours.

BIOL 3014. Bioinformatics and Computational Biology. Investigation of the structure and function of genes and proteins through the application of computational data storage and retrieval, pattern recognition, and chemical modeling techniques; includes study of sequence analysis, structural prediction, genomics, phylogenetics, systems biology, and databases. Prerequisites: BIOL 1123 and CHEM 1123. Three lecture and two laboratory hours a week. Credit: Four hours.

BIOL 3163. The Evolving Woman. Emphasizes the physiological, psychological, socio-cultural, and developmental evolution of the female from conception to death. Prerequisites: ZOOL 2013 and ZOOL 2023. Three lecture hours a week. Credit: Three hours.

BIOL 4221. Ecology Laboratory. Laboratory and field experiments designed to illustrate the basic concepts of ecology. Co-requisite: BIOL 4223. Three laboratory hours a week. Credit: One hour.

BIOL 4223. Ecology. Introduction to principles of general ecology in the context of current environmental and social conditions and issues. Relationships between organisms and their environment. Human influences on the global environment. Prerequisite: BIOL 1123. Co-requisite: BIOL 4221. Three lecture hours a week. Credit: Three hours.

BIOL 4293. Scientific Communication. Written and verbal communication skills involved in gathering, analyzing, and distributing scientific and technical information efficiently and accurately for specific scientific audiences. Prerequisite: Eight hours of biology courses. Three lecture hours a week. Credit: Three hours.

BIOL 4344. Pathophysiology. Basic study of physiological systems in health and disease. Prerequisites: ZOOL 2013 and ZOOL 2023. Four lecture hours a week. Credit: Four hours.

BIOL 4583. Science in the Elementary Classroom. Strategies for teaching elementary school science using science inquiry and active learning techniques. Topics will include notebooking, portfolio building, 5E lesson plan design, classroom management, cooperative learning, assessment, and technology applications. Three lecture hours a week. Credit: Three hours.

BIOL 4593. Science in the Secondary Classroom. Strategies for teaching high school and middle school science using science inquiry and active learning techniques. Notebooking, portfolio building, 5E lesson plan design, classroom management, cooperative learning, assessment, and technology applications. Three lecture hours a week. Credit: Three hours.

BIOL 4681. Biology Seminar. Student presentations based on library or laboratory research projects. May be repeated for additional credit. One lecture hour a week. Credit: One hour.

BIOL 4811. Molecular and Cellular Biology: Gene Expression Laboratory. Laboratory studies in gene expression. Experience in basic laboratory techniques and their application in answering experimental questions. Prerequisites: BIOL 1123 and CHEM 3223. Co-requisite: BIOL 4813. Three laboratory hours a week. Credit: One hour.

BIOL 4813. Molecular and Cellular Biology: Gene Expression. First in a sequence of three courses. Integrated principles of cellular, molecular, and genetic aspects of cell function. Mechanisms of gene expression including transcription, translation, and their regulation. Prerequisites: BIOL 1123 and CHEM 3223. Co-requisite: BIOL 4811. Three lecture hours a week. Credit: Three hours.

BIOL 4821. Molecular and Cellular Biology: Genetics and Inheritance Laboratory. Laboratory studies in genetics and inheritance. Experience in basic laboratory techniques and their application in answering experimental questions. Prerequisites: BIOL 1123, BIOL 4811, and CHEM 3223. Co-requisite: BIOL 4823. Three laboratory hours a week. Credit: One hour.

BIOL 4823. Molecular and Cellular Biology: Genetics and Inheritance. The second semester of a three semester series. Integrated principles of cellular, molecular, and genetic aspects of cell function. Mechanisms of gene expression including Mendelian genetics, cell cycle control, and cell signaling. Prerequisites: BIOL 4813 and CHEM 3223. Co-requisite: BIOL 4821. Three lecture hours a week. Credit: Three hours.

BIOL 4903. Special Topics. Advanced studies in biology. Prerequisite: Permission of instructor. May be repeated for additional credit when topic varies. Three hours a week. Credit: Three hours.

BIOL 4911. Independent Study. Topics in advanced biology. Prerequisite: Permission of instructor. May be repeated. Credit: One hour.

BIOL 4913. Independent Study. Topics in advanced biology. Prerequisite: Permission of instructor. May be repeated. Credit: Three hours.

BIOL 4951. Cooperative Education. Credit: One hour.

BIOL 4953. Cooperative Education. Credit: Three hours.

BIOL 4983. Undergraduate Research. Original research at the undergraduate level. Formal, written report required. May be taken for honors credit and repeated for additional credit. No more than six semester credit hours will count towards the biology degree. Prerequisite: Permission of the department chair. Nine laboratory hours a week. Credit: Three hours.

Botany Courses

BOT 2111. Plant Biology Laboratory. (TCCN BIOL 1111) Laboratory studies of plant morphogenesis, anatomy, physiology, and classification. Prerequisites: BIOL 1111 and BIOL 1113, or permission of instructor. Co-requisite: BOT 2113. Three laboratory hours a week. Credit: One hour.

BOT 2113. Plant Biology. (TCCN BIOL 1311, BIOL 1411) Plant morphogenesis, anatomy, physiology, and classification. Prerequisites: BIOL 1113, BIOL 1111, BIOL 1123, and BIOL 1121, or permission of instructor. Co-requisite: BOT 2111. Three lecture hours a week. Credit: Three hours.

Science Courses

SCI 1003. Fundamentals of Science. A course designed to teach basic mathematical and reasoning skills common to biology, chemistry, and physics. May not be used to satisfy any science requirement. Three lecture hours a week. Credit: Three hours.

SCI 1114. Sustainable Physical Science. (TCCN PHYS 1415). Theory and practice of sustainability in the context of the physical sciences. Cycle of matter and energy in the environment, formation and consumption of resources, laws of motion and thermodynamics, properties of waves, and nature of electric charge. Three lecture and two laboratory hours a week. Credit: Four hours.

SCI 1123. General Life Science. Life processes as they are based on physical chemical principles. Manifestation of different life forms in various organisms in adaptation to diverse environments. Two lecture and three laboratory hours a week. Credit: Three hours.

SCI 2103. Introduction to Environmental Chemistry: Global Perspectives. Chemical principles in the context of significant environmental issues. Topics include energy, biogeochemical cycles; issues such as the ozone layer, global warming and acid rain, and assessment of environmental risk. Two lecture and three laboratory hours a week. Credit: Three hours.

SCI 2113. Earth Science I. (TCCN GEOL 1301, GEOL 1401) Nature of science and scientific inquiry as revealed through an integrated investigation of physical and chemical development of the Earth through space and time. An examination of how the lithosphere, hydrosphere, and atmosphere are connected through the model of Plate Tectonics, and decoding the science based issues of the 21st century. Two lecture and two laboratory hours a week. Credit: Three hours.

SCI 3013. Community Conversation in Sustainability. Sustainability issues from scientific, sociological, and business perspectives. Topics include the impacts of energy production, food production, industry, and our modern lifestyle on our local and global community with an emphasis on systems and possible solutions. Three lecture hours a week. Credit: Three hours.

SCI 3033. Water in a Changing Environment. Sustainability issues of water from an American Southwestern to global perspective; combines the science, sociology, and economics of water quality and availability of transboundary water systems in a changing environment. Two lecture and two laboratory hours a week. Credit: Three hours.

SCI 3133. Climate Change: A Human Perspective. Study of climate change with a synthesis of meterology, geology, oceanography, astronomy, and anthropology. Examines past, present, and future climate change in the context of natural and anthropogenic forcing with special focus on man's impact on the climate and climate's impact on man. Two lecture and two laboratory hours a week. Credit: Three hours.

SCI 3153. History of Modern Science. An exploration of the development of the sciences in their social and political context; science from the Newtonian revolution to present. Two lecture and two laboratory hours a week. Credit: Three hours.

SCI 4911. Independent Study. Independent student readings in modern science. Credit: One hour.

SCI 4913. Independent Study. Independent Student readings in modern science. Credit: Three hours.

SCI 4923. Building Sustainable Communities. Capstone course for certificate in Science, Society, and Sustainability. Integration of concepts from science, sociology, and economics to synthesize sustainable solutions to community issues. Requires completion of a civic engagement project with a public presentation of sustainable solutions for a selected complex civic issue. Prerequisite: Completion of 12 hours towards Science, Society, and Sustainability certificate. Three seminar hours a week. Credit: Three hours.

Zoology Courses

ZOOL 2011. Human Anatomy and Physiology I Laboratory. (TCCN BIOL 2101) Observations of the structure and function of the human body. Co-requisite: ZOOL 2013. Three laboratory hours a week. Credit: One hour.

ZOOL 2013. Human Anatomy and Physiology I. (TCCN BIOL 2301, BIOL 2401) Principles of the structure and functions of the human body. Co-requisite: ZOOL 2011. Three lecture hours a week. Credit: Three hours.

ZOOL 2021. Human Anatomy and Physiology II Laboratory. (TCCN BIOL 2102) Continuation of observations of the structure and function of the human body. Co-requisite: ZOOL 2023. Three laboratory hours a week. Credit: One hour.

ZOOL 2023. Human Anatomy and Physiology II. (TCCN BIOL 2302, BIOL 2402) Principles of the structure and functions of the human body. Prerequisite: ZOOL 2013. Co-requisite: ZOOL 2021. Three lecture hours a week. Credit: Three hours.

ZOOL 2031. Human Anatomy and Physiology Laboratory. Study of the structures and functions of the human body. Co-requisite: ZOOL 2033. Three laboratory hours a week. Credit: One hour.

ZOOL 2033. Human Anatomy and Physiology. Studies of structure and function of the human body. Co-requisite: ZOOL 2031. Three lecture hours a week. Credit: Three hours.

ZOOL 3121. Neuroanatomy and Neurophysiology Laboratory. Laboratory exposure to the gross and microanatomy of the human brain and spinal cord. Discussion of case studies based on analyses of lesions associated with neurological dysfunction. Co-requisite: ZOOL 3123. Three laboratory hours a week. Credit: One hour.

ZOOL 3123. Neuroanatomy and Neurophysiology. Basic anatomy and physiology of the human nervous system. Identification of location, structure, and function of major CNS systems and associated pathways. Prerequisite: ZOOL 2023 or ZOOL 2033. Co-requisite: ZOOL 3121. Three lecture hours a week. Credit: Three hours.

ZOOL 3313. Biology of Aging. Physiological, anatomical, and immunological changes occurring with the aging process. Three lecture hours a week. Credit: Three hours.

ZOOL 4033. Animal Behavior. Basic examination of animal behavior principles, instinct, learning, communication, and social organization. Presentations compare various animal groups and students practice observational methods. Field trip. Prerequisite: Introductory course in general biology or zoology. Three lecture hours a week. Credit: Three hours.

ZOOL 4241. Mammalian Physiology Laboratory. Laboratory experiments in mammalian and human physiology. Co-requisite: ZOOL 4243. Three laboratory hours a week. Credit: One hour.

ZOOL 4243. Mammalian Physiology. Basic processes and functions of organs and organ systems in the mammalian body; consideration of human and other physiological functions. Prerequisites: BIOL 1123 and CHEM 1123. Co-requisite: ZOOL 4241. Three lecture hours a week. Credit: Three hours.

Faculty

Professors

HYNDS, DIANNA L., Professor of Biology. B.S., Hillsdale College; Ph.D., Ohio State University, Columbus.

McARTHUR, MERRY C., Professor of Biology. B.S., University of Minnesota, Duluth; M.S., University of Minnesota, Duluth; Ph.D., Southern Methodist University.

MILLS, NATHANIEL C., Professor of Biology. B.S., Western Kentucky University; Ph.D., Vanderbilt University.

NEELY, MELODY N., Research Professor of Biology. B.S., Eastern Michigan University; Ph.D., University of Michgan.

UPHOUSE, LYNDA L., Cornaro Professor of Biology. B.A., Austin College; M.A., University of Colorado, Boulder; Ph.D., University of Colorado, Boulder.

Associate Professors

BERGEL, MICHAEL, Associate Professor of Biology. B.Sc., The Hebrew University of Jerusalem; M.Sc., The Hebrew University of Jerusalem; Ph.D., The Hebrew University of Jerusalem.

CONRAD-WEBB, HEATHER M., Associate Professor of Biology. B.S., Baylor University; Ph.D., Ohio State University, Columbus.

HANSON, LAURA K., Associate Professor of Biology. B.S., University of Washington; Ph.D., Cornell University.

MAIER, CAMELIA G., Associate Professor of Biology. B.S., University of Bucharest; M.S., University of North Texas; Ph.D., University of North Texas.

WESTMORELAND, SANDRA, Associate Professor of Biology. B.S., University of Houston; M.S., University of Texas at Arlington; Ph.D., University of Texas at Arlington.

Assistant Professors

AVERITT, DAYNA L., Assistant Professor of Biology. B.A., University of Texas at Austin; M.S., Georgia State University; Ph.D., Georgia State University.

BROWER, CHRISTOPHER, Assistant Professor of Biology. B.S., Northeastern Oklahoma State University; M.S., University of Oklahoma Health Sciences Center; Ph.D., University of Oklahoma Health Sciences Center.

GUMIENNY, TINA, Assistant Professor of Biology. B.S., Texas A&M University; Ph.D., State University of New York-Stony Brook.

Lecturer

DAVIS, ANN M., Lecturer of Biology. B.A., Rice University; Ph.D., Southwestern Medical Center.

Lab Instructor

AHMED, SHAZIA A., Laboratory Instructor of Biology. B.S., University of Karachi; M.S., University of Karachi; Ph.D., Texas Woman's University.

Bachelor of Science in Biology

Total Semester Credit Hours Required

120-121 semester credit hours.

Major

36 semester credit hours.

Required Minor

18 semester credit hours. Chemistry is recommended for the minor.

Biology Courses Required

BIOL 1113	Principles of Biology I	3
BIOL 1111	Principles of Biology I Laboratory	1

BIOL 1123	Principles of Biology II	3
BIOL 1121	Principles of Biology II Laboratory	1
BIOL 4681	Biology Seminar	1
BACT 3111 & BACT 3113	General Microbiology Laboratory and General Microbiology	4
ZOOL 4241 & ZOOL 4243	Mammalian Physiology Laboratory and Mammalian Physiology	4
BOT 2111 & BOT 2113	Plant Biology Laboratory and Plant Biology	4
BIOL 4811 & BIOL 4813	Molecular and Cellular Biology: Gene Expression Laboratory and Molecular and Cellular Biology: Gene Expression	4
BIOL 4821 & BIOL 4823	Molecular and Cellular Biology: Genetics and Inheritance Laboratory and Molecular and Cellular Biology: Genetics and Inheritance	4
Total Semester Credit Hours		29

The courses remaining to satisfy the total of 36 semester credit hours requirement at the 3000 level or above may be elected from any Biology courses and would include the Chemistry below (fifteen additional semester credit hours in advanced semester credit hours are required.)

Additional Required Courses

CHEM 1113	General Chemistry I	3
CHEM 1111	General Chemistry Laboratory I	1
CHEM 1123	General Chemistry II	3
CHEM 1121	General Chemistry Laboratory II	1
CHEM 2213	Organic Chemistry I	3
CHEM 2211	Organic Chemistry Laboratory I	1
CHEM 3223	Organic Chemistry II	3
CHEM 3221	Organic Chemistry Laboratory II	1
Total Semester Credit Hours		16

Six semester credit hours of College Algebra and Trigonometry (MATH 1303 and MATH 1313); **plus** *either* Calculus (MATH 2014) *or* Statistics (MATH 1703).

Bachelor of Science in Biology Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
BIOL 1111 & BIOL 1113	Principles of Biology I Laboratory and Principles of Biology I	(BIOL 1106) and (BIOL 1306, BIOL 1406)	4
CHEM 1111 & CHEM 1113	General Chemistry Laboratory I and General Chemistry I	(CHEM 1111) and (CHEM 1311, CHEM 1411)	4
MATH 1303	Elementary Analysis I	MATH 1314, MATH 1414	3
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		15
Spring		**TCCN**	
BIOL 1121 & BIOL 1123	Principles of Biology II Laboratory and Principles of Biology II	(BIOL 1107) and (BIOL 1307, BIOL 1407)	4
CHEM 1121 & CHEM 1123	General Chemistry Laboratory II and General Chemistry II	(CHEM 1112) and (CHEM 1312, CHEM 1412)	4
MATH 1313	Elementary Analysis II	MATH 1316	3
ENG 1023	Composition II	ENGL 1302	3
Elective			1
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
CHEM 2211 & CHEM 2213	Organic Chemistry Laboratory I and Organic Chemistry I	(CHEM 2123) and (CHEM 2323, CHEM 2423)	4
BOT 2111 & BOT 2113	Plant Biology Laboratory and Plant Biology	(BIOL 1111) and (BIOL 1311, BIOL 1411)	4
GOV 2013	U.S. National Government	GOVT 2305	3
Language, Philosophy & Culture Core			3
	Semester Credit Hours		14
Spring		**TCCN**	
CHEM 3221 & CHEM 3223	Organic Chemistry Laboratory II and Organic Chemistry II	(CHEM 2425) and (CHEM 2425)	4
BACT 3111 & BACT 3113	General Microbiology Laboratory and General Microbiology		4
GOV 2023	Texas Government	GOVT 2306	3
Creative Arts Core			3
	Semester Credit Hours		14

Third Year

Fall		TCCN	
BIOL 4811 & BIOL 4813	Molecular and Cellular Biology: Gene Expression Laboratory and Molecular and Cellular Biology: Gene Expression		4
Minor Elective			3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Social/Behavioral Science Core			3
MATH 1703 or 2014	Elementary Statistics I	(MATH 1342, MATH 1442) or (MATH 2413, MATH 2313)	3-4
	Semester Credit Hours		16-17

Spring		TCCN	
BIOL 4821 & BIOL 4823	Molecular and Cellular Biology: Genetics and Inheritance Laboratory and Molecular and Cellular Biology: Genetics and Inheritance		4
ZOOL 4241 & ZOOL 4243	Mammalian Physiology Laboratory and Mammalian Physiology		4
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Multicultural Women's Studies CAO Core			3
General or Minor Elective			3
	Semester Credit Hours		17

Fourth Year

Fall		TCCN	
Biology Elective			3
PHYS 1131 & PHYS 1133	Principles of Physics Laboratory I and Principles of Physics I	(PHYS 1101) and (PHYS 1301, PHYS 1401)	4
BIOL 4681	Biology Seminar		1
Upper-level General or Minor Elective			4
Upper-level General or Minor Elective			3
	Semester Credit Hours		15

Spring		TCCN	
BIOL 4221 & BIOL 4223 ([GP] Recommended Biology Elective)	Ecology Laboratory and Ecology		4
PHYS 1141 & PHYS 1143	Principles of Physics Laboratory II and Principles of Physics II	(PHYS 1102) and (PHYS 1302, PHYS 1402)	4
Upper-level General or Minor Elective			3
Upper-level General or Minor Elective			3
	Semester Credit Hours		14
	Total Semester Credit Hours:		120-121

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Biology (4-8 Science Certification)

Total Semester Credit Hours Required

132 semester credit hours.

Major

36 semester credit hours.

Minor

23 semester credit hours.

The Department of Biology offers a degree in Biology which also includes the courses and requirements leading to completion of a Texas 4-8 Science Teaching Certificate. This Bachelor of Science degree leading to teacher certification requires a total of 132 semester credit hours. All students pursuing teacher certification must achieve an overall GPA of at least 2.75 prior to enrolling in professional education coursework. Students must earn a grade of C or better in all required mathematics, science (includes all prefixes) and education courses.

The requirements for Biology majors in mathematics, chemistry, and physics must also be met. Completion of teacher education requirements will automatically lead to a minor in education.

Bachelor of Science in Biology (4-8 Science Certification) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
BIOL 1111 & BIOL 1113	Principles of Biology I Laboratory and Principles of Biology I	(BIOL 1106) and (BIOL 1306, BIOL 1406)	4
CHEM 1111 & CHEM 1113	General Chemistry Laboratory I and General Chemistry I	(CHEM 1111) and (CHEM 1311, CHEM 1411)	4
MATH 1303	Elementary Analysis I	MATH 1314, MATH 1414	3
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		15
Spring		**TCCN**	
BIOL 1121 & BIOL 1123	Principles of Biology II Laboratory and Principles of Biology II	(BIOL 1107) and (BIOL 1307, BIOL 1407)	4
CHEM 1121 & CHEM 1123	General Chemistry Laboratory II and General Chemistry II	(CHEM 1112) and (CHEM 1312, CHEM 1412)	4
MATH 1313	Elementary Analysis II	MATH 1316	3
ENG 1023	Composition II	ENGL 1302	3
Multicultural Women's Studies			3
	Semester Credit Hours		17

Second Year

Fall		TCCN	
CHEM 2211 & CHEM 2213	Organic Chemistry Laboratory I and Organic Chemistry I	(CHEM 2123) and (CHEM 2323, CHEM 2423)	4
BOT 2111 & BOT 2113	Plant Biology Laboratory and Plant Biology	(BIOL 1111) and (BIOL 1311, BIOL 1411)	4
BACT 1001 & BACT 1003	Microbiology Laboratory and Microbiology	(BIOL 2120) and (BIOL 2320)	4
GOV 2013	U.S. National Government	GOVT 2305	3
EDUC 2003	Schools and Society	EDUC 1301	3
	Semester Credit Hours		18
Spring		**TCCN**	
CHEM 3221 & CHEM 3223	Organic Chemistry Laboratory II and Organic Chemistry II	(CHEM 2425) and (CHEM 2425)	4
BIOL 4221 & BIOL 4223 (GP)	Ecology Laboratory and Ecology		4
ZOOL 4241 & ZOOL 4243	Mammalian Physiology Laboratory and Mammalian Physiology		4
GOV 2023	Texas Government	GOVT 2306	3
Creative Arts			3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
	Semester Credit Hours		21

Third Year

Fall		TCCN	
BIOL 4811 & BIOL 4813	Molecular and Cellular Biology: Gene Expression Laboratory and Molecular and Cellular Biology: Gene Expression		4
PHYS 1131 & PHYS 1133	Principles of Physics Laboratory I and Principles of Physics I	(PHYS 1101) and (PHYS 1301, PHYS 1401)	4
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Social/Behavioral Science			3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
	Semester Credit Hours		19

Spring		TCCN	
BIOL 4821 & BIOL 4823	Molecular and Cellular Biology: Genetics and Inheritance Laboratory and Molecular and Cellular Biology: Genetics and Inheritance		4
PHYS 1141 & PHYS 1143	Principles of Physics Laboratory II and Principles of Physics II	(PHYS 1102) and (PHYS 1302, PHYS 1402)	4
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
READ 3013	Literacy and Learning across the Curriculum		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
	Semester Credit Hours		20

Fourth Year

Fall		TCCN	
BIOL 4593	Science in the Secondary Classroom		3
SCI 2113	Earth Science I	GEOL 1301, GEOL 1401	3
BIOL 4681	Biology Seminar		1
Language, Philosophy & Culture			3
READ 3463	Strategic Learning through Text Strategies		3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
	Semester Credit Hours		16

Spring		TCCN	
EDUC 4066	Student Teaching: General Science		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		132

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Biology (7-12 Composite Science Certification)

Total Semester Credit Hours Required

134 semester credit hours.

Major

36 semester credit hours.

Minor

23 semester credit hours.

The Department of Biology offers a degree in Biology which also includes the courses and requirements leading to completion of a Texas 7-12 Composite Science Teaching Certificate. This Bachelor of Science degree leading to teacher certification requires a total of 133-134 semester credit hours. All students pursuing teacher certification must achieve an overall GPA of at least 2.75 prior to enrolling in professional education coursework. Students must earn a grade of C or better in all required mathematics, science (includes all prefixes) and education courses

The requirements for Biology majors in mathematics, chemistry, and physics must also be met. Completion of teacher education requirements will automatically lead to a minor in education.

Bachelor of Science in Biology (7-12 Composite Science Certification) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
BIOL 1111 & BIOL 1113	Principles of Biology I Laboratory and Principles of Biology I	(BIOL 1106) and (BIOL 1306, BIOL 1406)	4
CHEM 1111 & CHEM 1113	General Chemistry Laboratory I and General Chemistry I	(CHEM 1111) and (CHEM 1311, CHEM 1411)	4
MATH 1303	Elementary Analysis I	MATH 1314, MATH 1414	3
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		15

Spring		**TCCN**	
BIOL 1121 & BIOL 1123	Principles of Biology II Laboratory and Principles of Biology II	(BIOL 1107) and (BIOL 1307, BIOL 1407)	4
CHEM 1121 & CHEM 1123	General Chemistry Laboratory II and General Chemistry II	(CHEM 1112) and (CHEM 1312, CHEM 1412)	4
MATH 1313	Elementary Analysis II	MATH 1316	3
ENG 1023	Composition II	ENGL 1302	3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		17

Second Year

Fall		**TCCN**	
CHEM 2211 & CHEM 2213	Organic Chemistry Laboratory I and Organic Chemistry I	(CHEM 2123) and (CHEM 2323, CHEM 2423)	4
BOT 2111 & BOT 2113	Plant Biology Laboratory and Plant Biology	(BIOL 1111) and (BIOL 1311, BIOL 1411)	4
BACT 3111 & BACT 3113	General Microbiology Laboratory and General Microbiology		4
GOV 2013	U.S. National Government	GOVT 2305	3
EDUC 2003	Schools and Society	EDUC 1301	3
	Semester Credit Hours		18

Spring		**TCCN**	
CHEM 3221 & CHEM 3223	Organic Chemistry Laboratory II and Organic Chemistry II	(CHEM 2425) and (CHEM 2425)	4
BIOL 4221 & BIOL 4223 (GP)	Ecology Laboratory and Ecology		4
ZOOL 4241 & ZOOL 4243	Mammalian Physiology Laboratory and Mammalian Physiology		4
GOV 2023	Texas Government	GOVT 2306	3
Creative Arts Core			3
	Semester Credit Hours		18

Third Year

Fall		**TCCN**	
BIOL 4811 & BIOL 4813	Molecular and Cellular Biology: Gene Expression Laboratory and Molecular and Cellular Biology: Gene Expression		4
PHYS 1131 & PHYS 1133	Principles of Physics Laboratory I and Principles of Physics I	(PHYS 1101) and (PHYS 1301, PHYS 1401)	4
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Social/Behavioral Science Core			3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
	Semester Credit Hours		19

Spring		**TCCN**	
BIOL 4821 & BIOL 4823	Molecular and Cellular Biology: Genetics and Inheritance Laboratory and Molecular and Cellular Biology: Genetics and Inheritance		4
PHYS 1141 & PHYS 1143	Principles of Physics Laboratory II and Principles of Physics II	(PHYS 1102) and (PHYS 1302, PHYS 1402)	4
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
READ 3013	Literacy and Learning across the Curriculum		3

EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
	Semester Credit Hours		20
Fourth Year			
Fall		**TCCN**	
CHEM 3633 & CHEM 3632	Biochemistry I and Biochemistry I Laboratory		5
BIOL 4593	Science in the Secondary Classroom		3
SCI 2113	Earth Science I	GEOL 1301, GEOL 1401	3
BIOL 4681	Biology Seminar		1
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Language, Philosophy & Culture Core			3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
	Semester Credit Hours		21
Spring		**TCCN**	
EDUC 4066	Student Teaching: General Science		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		134

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Biology (7-12 Life Science Certification)

Total Semester Credit Hours Required

123 semester credit hours.

Major

36 semester credit hours.

Minor

23 semester credit hours.

The Department of Biology offers a degree in Biology which also includes the courses and requirements leading to completion of a Texas 7-12 Life Science Teaching Certificate. This Bachelor of Science degree leading to teacher certification requires a total of 123 semester credit hours. All students pursuing teacher certification must achieve an overall GPA of at least 2.75 prior to enrolling in professional education coursework. Students must earn a grade of C or better in all required mathematics, science (includes all prefixes) and education courses.

The requirements for Biology majors in mathematics, chemistry, and physics must also be met. Completion of teacher education requirements will automatically lead to a minor in education.

Bachelor of Science in Biology (7-12 Life Science Certification) Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
BIOL 1111 & BIOL 1113	Principles of Biology I Laboratory and Principles of Biology I	(BIOL 1106) and (BIOL 1306, BIOL 1406)	4
CHEM 1111 & CHEM 1113	General Chemistry Laboratory I and General Chemistry I	(CHEM 1111) and (CHEM 1311, CHEM 1411)	4
MATH 1303	Elementary Analysis I	MATH 1314, MATH 1414	3
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		15
Spring		**TCCN**	
BIOL 1121 & BIOL 1123	Principles of Biology II Laboratory and Principles of Biology II	(BIOL 1107) and (BIOL 1307, BIOL 1407)	4
CHEM 1121 & CHEM 1123	General Chemistry Laboratory II and General Chemistry II	(CHEM 1112) and (CHEM 1312, CHEM 1412)	4
MATH 1313	Elementary Analysis II	MATH 1316	3
ENG 1023	Composition II	ENGL 1302	3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		17
Second Year			
Fall		**TCCN**	
CHEM 2211 & CHEM 2213	Organic Chemistry Laboratory I and Organic Chemistry I	(CHEM 2123) and (CHEM 2323, CHEM 2423)	4

BOT 2111 & BOT 2113	Plant Biology Laboratory and Plant Biology	(BIOL 1111) and (BIOL 1311, BIOL 1411)	4
BACT 3111 & BACT 3113	General Microbiology Laboratory and General Microbiology		4
GOV 2013	U.S. National Government	GOVT 2305	3
EDUC 2003	Schools and Society	EDUC 1301	3
	Semester Credit Hours		18
Spring		**TCCN**	
CHEM 3221 & CHEM 3223	Organic Chemistry Laboratory II and Organic Chemistry II	(CHEM 2425) and (CHEM 2425)	4
BIOL 4221 & BIOL 4223 (GP)	Ecology Laboratory and Ecology		4
ZOOL 4241 & ZOOL 4243	Mammalian Physiology Laboratory and Mammalian Physiology		4
GOV 2023	Texas Government	GOVT 2306	3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
BIOL 4811 & BIOL 4813	Molecular and Cellular Biology: Gene Expression Laboratory and Molecular and Cellular Biology: Gene Expression		4
PHYS 1131 & PHYS 1133	Principles of Physics Laboratory I and Principles of Physics I	(PHYS 1101) and (PHYS 1301, PHYS 1401)	4
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
	Semester Credit Hours		16
Spring		**TCCN**	
BIOL 4821 & BIOL 4823	Molecular and Cellular Biology: Genetics and Inheritance Laboratory and Molecular and Cellular Biology: Genetics and Inheritance		4
PHYS 1141 & PHYS 1143	Principles of Physics Laboratory II and Principles of Physics II	(PHYS 1102) and (PHYS 1302, PHYS 1402)	4
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
Creative Arts Core			3
	Semester Credit Hours		17
Fourth Year			
Fall		**TCCN**	
BIOL 4593	Science in the Secondary Classroom		3
BIOL 4681	Biology Seminar		1
READ 3013	Literacy and Learning across the Curriculum		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Language, Philosophy & Culture Core			3
Social/Behavioral Science Core			3
	Semester Credit Hours		19

Spring	TCCN	
EDUC 4346	Student Teaching: Life Science 8-12	6
	Semester Credit Hours	6
	Total Semester Credit Hours:	123

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Medical Technology

Medical Technology

Program Director: Interim, TBD

Program Advisor: Kirsten Donohoo

Location: GRB 329
Telephone: 940-898-3328

The Medical Technology Program (also known as Clinical Laboratory Sciences) is offered through the Department of Biology. The program is designed to prepare the student as a member of the health services team and leads to the Bachelor of Science degree. The student completes the pre-clinical phase during the first three years in the program and begins the clinical sequence in the senior year. This year is completed at a major medical technology school approved by TWU and the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

The medical technologist becomes increasingly important as new and more effective techniques of laboratory diagnosis are developed. In addition, positions are frequently available in medical research. Career opportunities are found throughout the country in large and small communities.

Certification

Completion of the Program qualifies the Medical Technology student to take the National Registry Examination for certification as MT (ASCP).

Total Semester Credit Hours Required

120 semester credit hours.

Major

33 semester credit hours.

In addition to the general degree requirements, specific prerequisite courses (or their equivalent) which are required at the time of application for admission to the Medical Technology program are:

BIOL 1113	Principles of Biology I	3
BIOL 1111	Principles of Biology I Laboratory	1
BIOL 1123	Principles of Biology II	3
BIOL 1121	Principles of Biology II Laboratory	1
BIOL 4681	Biology Seminar Satisfies oral communication	1
BIOL 4811 & BIOL 4813	Molecular and Cellular Biology: Gene Expression Laboratory and Molecular and Cellular Biology: Gene Expression	4
BOT 2113	Plant Biology	3
BOT 2111	Plant Biology Laboratory	1
BACT 3111 & BACT 3113	General Microbiology Laboratory and General Microbiology	4
BACT 4111 & BACT 4113	Immunology Laboratory and Immunology	4
Biology Electives, six advanced semester credit hours		6
CHEM 1113	General Chemistry I	3
CHEM 1111	General Chemistry Laboratory I	1
CHEM 1123	General Chemistry II	3
CHEM 1121	General Chemistry Laboratory II	1
CHEM 2213	Organic Chemistry I	3
CHEM 2211	Organic Chemistry Laboratory I	1
CHEM 3223	Organic Chemistry II	3
CHEM 3221	Organic Chemistry Laboratory II	1
CHEM 3333	Quantitative Chemical Analysis co req CHEM 3331	3
CHEM 3331	Quantitative Chemical Analysis Laboratory	1
MATH 1303	Elementary Analysis I	3
MATH 1313	Elementary Analysis II	3
PHYS 1133	Principles of Physics I	3
PHYS 1131	Principles of Physics Laboratory I	1
Total Semester Credit Hours		61

During the first three years of this program, students complete core requirements toward preparation for clinical training in a Medical Technology School or a hospital. Students may need to complete some of this coursework during summer sessions in order to finish classes within a three year period. The senior year will be spent at a hospital with a contractual agreement with TWU.

General types of courses in the senior year include studies in the areas of microbiology, parasitology, clinical chemistry, hematology, serology, urinalysis, mycology, and histology.

Clinical year arrangements are made with the Director of the Medical Technology Program. The clinical component semester credit hours will be transferred to this University as 30 or more advanced semester hours credit.

Minor

No minor is offered in Medical Technology.

The minor in chemistry is incorporated within the medical technology curriculum.

The courses required are:

CHEM 1111	General Chemistry Laboratory I	1
CHEM 1113	General Chemistry I	3
CHEM 1121	General Chemistry Laboratory II	1
CHEM 1123	General Chemistry II	3
CHEM 2211	Organic Chemistry Laboratory I	1
CHEM 2213	Organic Chemistry I	3
CHEM 3221	Organic Chemistry Laboratory II	1

CHEM 3223	Organic Chemistry II	3
CHEM 3333	Quantitative Chemical Analysis	3
CHEM 3331	Quantitative Chemical Analysis Laboratory	1
Total Semester Credit Hours		20

Bachelor of Science in Medical Technology Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
BIOL 1111 & BIOL 1113	Principles of Biology I Laboratory and Principles of Biology I	(BIOL 1106) and (BIOL 1306, BIOL 1406)	4
CHEM 1111 & CHEM 1113	General Chemistry Laboratory I and General Chemistry I	(CHEM 1111) and (CHEM 1311, CHEM 1411)	4
MATH 1303	Elementary Analysis I	MATH 1314, MATH 1414	3
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		15
Spring		**TCCN**	
BIOL 1121 & BIOL 1123	Principles of Biology II Laboratory and Principles of Biology II	(BIOL 1107) and (BIOL 1307, BIOL 1407)	4
CHEM 1121 & CHEM 1123	General Chemistry Laboratory II and General Chemistry II	(CHEM 1112) and (CHEM 1312, CHEM 1412)	4
MATH 1313	Elementary Analysis II	MATH 1316	3
ENG 1023	Composition II	ENGL 1302	3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		17

Second Year

Fall		**TCCN**	
CHEM 2211 & CHEM 2213	Organic Chemistry Laboratory I and Organic Chemistry I	(CHEM 2123) and (CHEM 2323, CHEM 2423)	4
BOT 2111 & BOT 2113	Plant Biology Laboratory and Plant Biology	(BIOL 1111) and (BIOL 1311, BIOL 1411)	4
GOV 2013	U.S. National Government	GOVT 2305	3
Language, Philosophy & Culture Core			3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
	Semester Credit Hours		17
Spring		**TCCN**	
CHEM 3221 & CHEM 3223	Organic Chemistry Laboratory II and Organic Chemistry II	(CHEM 2425) and (CHEM 2425)	4
BACT 3111 & BACT 3113	General Microbiology Laboratory and General Microbiology		4
GOV 2023	Texas Government	GOVT 2306	3
Creative Arts Core			3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
	Semester Credit Hours		17

Third Year

Fall		**TCCN**	
BIOL 4811 & BIOL 4813	Molecular and Cellular Biology: Gene Expression Laboratory and Molecular and Cellular Biology: Gene Expression		4
PHYS 1131 & PHYS 1133	Principles of Physics Laboratory I and Principles of Physics I	(PHYS 1101) and (PHYS 1301, PHYS 1401)	4
Biology Elective			3
Social/Behavioral Science Core			3
	Semester Credit Hours		14
Spring		**TCCN**	
BACT 4111 & BACT 4113	Immunology Laboratory and Immunology		4

CHEM 3333	Quantitative Chemical Analysis	3
CHEM 3331	Quantitative Chemical Analysis Laboratory	1
BIOL 4221 & BIOL 4223 ([GP] Recommended Biology Elective)	Ecology Laboratory and Ecology	4
BIOL 4681	Biology Seminar	1
	Semester Credit Hours	13
Fourth Year		
Fall	**TCCN**	
Clinical Rotation - Upper Level		14
	Semester Credit Hours	14
Spring	**TCCN**	
Clinical Rotation - Upper Level		13
	Semester Credit Hours	13
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Department of Chemistry and Biochemistry

Web Site: http://www.twu.edu/chemistry-biochemistry

Chair: *Richard D. Sheardy, Professor*
Location: *ASSC 323*
Phone: *940-898-2550*
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Undergraduate Degrees Offered

- B.S. in Biochemistry with American Chemical Society Certification (p. 102)
- B.S. in Biochemistry (for Pre-Health Majors) (p. 103)
- B.S. in Chemistry (p. 105)
- B.S. in Chemistry with American Chemical Society Certification (p. 106)
- B.S. in Chemistry/Biochemistry with 7-12 Science Teacher Certification (p. 108)
- B.S. in Chemistry/Biochemistry with 6-12 Physical Science Teacher Certification (p. 109)

The Department of Chemistry and Biochemistry (http://www.twu.edu/chemistry-biochemistry) offers programs leading to the B.S. in Biochemistry and in Chemistry, both with or without certification by the American Chemical Society (ACS), and to the M.S. in Chemistry. The ACS certified degrees are recommended to those students interested in pursuing advanced degrees in chemistry or biochemistry. The B.S. in Biochemistry is recommended for those students interested in pursuing careers in the health related professions. Academic minors are offered in chemistry and in general science. Teacher certification to teach general science and physical science in secondary schools is also offered.

The objectives of the undergraduate chemistry program are to lead the student to

1. achieve an understanding of the chemical and physical behavior of material substances and of the energy changes accompanying this behavior and
2. to prepare students for advanced degrees, teaching, or professional careers in the sciences. The programs offered prepare the students for graduate studies in chemistry or biochemistry, admission to medical, dental, or pharmacy school, or a career as a professional chemist or teacher.

Graduates are employed as chemists, scientists, and managers in research, development, and production positions in a variety of settings and fields including: pharmaceuticals, cosmetics, food products, forensics, agricultural chemicals, medical research, and environmental law enforcement. Others go on to earn masters and doctoral degrees. Pre-professional graduates have successfully earned medical/dental/pharmacy degrees from medical/dental/pharmacy schools in and outside of Texas.

Students who have taken advanced chemistry courses in high school may earn advanced placement credit for CHEM 1113. Advanced placement may be earned by a satisfactory score on the Advanced Placement Examination in Chemistry or on a departmentally-administered examination.

For more information about the Department, please visit the Department's home page www.twu.edu/chemistry-biochemistry.

Course Load

Recommended course loads for both chemistry and biochemistry majors are 14-18 semester credit hours per semester, but students are ultimately responsible for developing individual course load plans with their academic advisors. When determining course loads, students should be prepared to spend a minimum of two hours outside of class for each lecture period and at least one-half hour outside of class for laboratories in order to be successful in these courses.

Special Requirements for Majors

Only courses in which a grade of C or better is earned may be counted toward a departmental major. In addition, to register for any course required for the major, a grade of C or better in any of its prerequisites is required. Finally, any course required for the degree cannot be taken more than two times in order to achieve a passing grade (C or better). All students pursuing the ACS certified degree must also register for CHEM 4983 (Undergraduate Research) and CHEM 4991 (Senior Thesis). A paper describing the research project must be written and approved by the ACS for certification.

Graduate Courses

Please refer to the Graduate Catalog (http://catalog.twu.edu/graduate) for information regarding graduate courses.

Minors

Chemistry Minor

A minor in Chemistry requires a minimum of 19 semester credit hours, six of which must be advanced (3000 or 4000 level). In addition to the courses listed below, an additional 3 credit hours must be taken from the following list: CHEM 3313, CHEM 3334, CHEM 3411 with CHEM 3413, or CHEM 3632 with CHEM 3633.

Chemistry Minor, Required Courses

CHEM 1111	General Chemistry Laboratory I	1
CHEM 1113	General Chemistry I	3
CHEM 1121	General Chemistry Laboratory II	1
CHEM 1123	General Chemistry II	3
CHEM 2211	Organic Chemistry Laboratory I	1
CHEM 2213	Organic Chemistry I	3
CHEM 3221	Organic Chemistry Laboratory II	1
CHEM 3223	Organic Chemistry II	3

General Science Minor

The minor in General Science requires 18 hours, six of which must be advanced. These must be divided among three of the following: biology, chemistry, physics and science courses. If the major is biology or chemistry, the hours must be divided between two of the remaining three.

Certificates

Undergraduate Certificate Program in Science, Society and Sustainability

Undergraduate certificate programs are intended to provide additional opportunities to benefit TWU students. Certificate programs are distinct from regular degree programs. Each program is an integrated group of courses that meet a clearly defined need, such as:

1. meeting specific work force needs with skills and knowledge,
2. providing continuing education or accreditation for a particular profession, or
3. providing basic competency in an emerging area of interdisciplinary study.

Science, Society and Sustainability

Program Description

Sustainability can be defined as using resources to meet the needs of today without jeopardizing future generations from being able to do the same. However, different disciplines have different perceptions with regard to sustainable practices. The goal of the Certificate in Science, Society and Sustainability is to integrate the principles and values of sustainable practices into all aspects of education and learning in order to enable our students to address the social, economic, cultural and environmental problems facing the new millennium.

Program Requirements

The certificate requires 15 credits of upper division courses (i.e., 3000 and 4000 level) in an organized and integrated course of study. Students will be responsible for any prerequisites for courses required for the certificate. A capstone course requiring a civic engagement component addressing a local sustainability issues is also required.

Coursework:

The first course serves as a foundation for the certificate. All students pursuing the certificate will be required to take this course. ***Community Conversations in Sustainability (SCI 3013)*** is a multidisciplinary, team taught course discussing all aspects of sustainability from scientific, sociological and economic points of view. Topics include the impacts of energy production, food production, industry and our modern life style on our local and global community with an emphasis on systems and possible solutions. The course is formatted as a three credit seminar.

The building block courses will examine sustainability within specific disciplines in the College of Arts and Sciences. Students would be required to take at least one 3000 or 4000 level course (3 credits each) in the three areas of focus (Natural Sciences and Mathematics; Arts, Humanities and Social Sciences; Government and Business) from a list provided by appropriate departments. This would total a minimum of 9 credits.

The synthesis course is a capstone course where students take everything they have learned and put it all together within a civic engagement project. All students pursuing the certificate will also be required to take this course. ***Building Sustainable Communities (SCI 4923)*** is a three credit seminar course which requires completion of a civic engagement project with a public presentation of sustainable solutions for a selected complex civic issue.

Benefits to Students

Upon completion of the certificate, students will be able to understand the nature of sustainability from different disciplinary points of view enabling them to make smart decisions about their careers and lifestyles. More importantly, it will give them critical thinking and communication skills that will benefit them in their chosen careers.

Admissions

Please see Admission (p. 18) section of this catalog. The same standards for admission to the University apply to the Department of Chemistry and Biochemistry.

Chemistry Courses

CHEM 1001. Horizons of Chemistry and Biochemistry I: Career Possibilities. Explores career possibilities in biochemistry and chemistry. Weekly classes, enhanced by speakers and field experiences, will illustrate the many applications of these fields to contemporary issues and career paths. May not be used to satisfy any core science requirement. One lecture hour a week. Credit: One hour.

CHEM 1011. Introductory Chemistry Laboratory. (TCCN CHEM 1105) Laboratory to be taken concurrently with CHEM 1013. Co-requisite: CHEM 1013. Three laboratory hours a week. Credit: One hour.

CHEM 1013. Introductory Chemistry. (TCCN CHEM 1305, CHEM 1405) General principles and laws of chemistry; structure of matter and periodicity of the elements; special areas such as equilibrium, colloids, nuclear chemistry, and solutions. Prerequisite: Adequate score on placement examination or grade of C or higher for SCI 1003. Co-requisite: CHEM 1011. Three lecture hours a week. Credit: Three hours.

CHEM 1021. Introduction to Organic and Physiological Chemistry Laboratory. (TCCN CHEM 1107) Laboratory to be taken concurrently with CHEM 1023. Co-requisite: CHEM 1023. Three laboratory hours a week. Credit: One hour.

CHEM 1023. Introduction to Organic and Physiological Chemistry. (TCCN CHEM 1307) Nomenclature and reactions of aliphatic and aromatic compounds; introduction to the chemistry of carbohydrates, fats, proteins, and nucleic acids and their metabolism. Prerequisite: One year of high school chemistry and a passing score on placement examination or grade of C or higher for CHEM 1013. Co-requisite: CHEM 1021. Three lecture hours a week. Credit: Three hours.

CHEM 1101. Horizons of Chemistry and Biochemistry II: Current Applications. Explores how chemistry and biochemistry impact contemporary life through new developments such as gene therapy, designer steroids, new drug therapies, and dietary supplements. Examines current events to further develop interests in and perspectives on chemistry and biochemistry. May not be used to satisfy any core science requirement. One lecture hour a week. Credit: One hour.

CHEM 1111. General Chemistry Laboratory I. (TCCN CHEM 1111) Laboratory to be taken concurrently with General Chemistry I. Co-requisite: CHEM 1113. Three laboratory hours a week. Credit: One hour.

CHEM 1113. General Chemistry I. (TCCN CHEM 1311, CHEM 1411) Introduction to the principles of chemistry, primarily for biology and allied health majors: classification of matter, elements and compounds; stoichiometry; acids and bases; gases; thermochemistry; periodic law; atomic and molecular structure. Prerequisites: One year of high school chemistry and a passing score on placement examination, or a minimum grade of C in CHEM 1013. Co-requisite: CHEM 1111. Three lecture hours a week. Credit: Three hours.

CHEM 1121. General Chemistry Laboratory II. (TCCN CHEM 1112) Laboratory to be taken concurrently with General Chemistry II. Prerequisite: CHEM 1111. Co-requisite: CHEM 1123. Three laboratory hours a week. Credit: One hour.

CHEM 1123. General Chemistry II. (TCCN CHEM 1312, CHEM 1412) A continuation of the introduction to the principles of chemistry, primarily for biology and allied health majors: Solids,liquids, and solutions; oxidation-reduction;reaction rates; equilibrium; thermodynamics;electrochemistry; chemistry of the common elements; and nuclear chemistry. Prerequisite: A minimum grade of C in CHEM 1113. Co-requisite: CHEM 1121. Three lecture hours a week. Credit: Three hours.

CHEM 1211. Principles of Chemistry Laboratory I. Laboratory taken concurrently with Principles of Chemistry I. Co-requisite: CHEM 1213. Three laboratory hours a week. Credit: One hour.

CHEM 1213. Principles of Chemistry I. Development of the principles of chemistry, primarily for chemistry and biochemistry majors, from an atoms first approach: atoms and compounds, atomic and molecular structure, stoichiometry, chemical reactions, thermochemistry, states of matter. Prerequisites: One year of high school chemistry and a passing score on placement examination, or a minimum grade of C in CHEM 1013; must be a chemistry or biochemistry major or permission of the instructor. Co-requisite: CHEM 1211. Three lecture hours a week. Credit: Three hours.

CHEM 1221. Principles of Chemistry Laboratory II. Laboratory taken concurrently with Principles of Chemistry II. Prerequisite: CHEM 1211. Co-requisite: CHEM 1223. Three laboratory hours a week. Credit: One hour.

CHEM 1223. Principles of Chemistry II. A continuation of the development of the principles of chemistry, primarily for chemistry and biochemistry majors, from an atoms first approach: solutions, equilibrium, thermodynamics, kinetics, and main group chemistry. Prerequisites: Minimum grade of C in CHEM 1213 or permission of instructor. Co-requisite: CHEM 1221. Three lecture hours a week. Credit: Three hours.

CHEM 2211. Organic Chemistry Laboratory I. (TCCN CHEM 2123) Introduction to the techniques of separation, isolation and purification of covalent compounds. Co-requisite: CHEM 2213. Three laboratory hours a week. Credit: One hour.

CHEM 2213. Organic Chemistry I. (TCCN CHEM 2323, CHEM 2423) Theories of covalent molecular structure; hydrocarbons and derived halides; aromaticity; mechanisms of free radical, nucleophilic, and electrophilic substitutions; and of additions and eliminations. Prerequisite: CHEM 1123 and CHEM 1121, or CHEM 1223 and CHEM 1221, with a grade of C or higher. Co-requisite: CHEM 2211. Three lecture hours a week. Credit: Three hours.

CHEM 3221. Organic Chemistry Laboratory II. (TCCN CHEM 2425) Introduction to the practice of organic synthesis and to classical methods of compound identification. Prerequisites: CHEM 2211 and 2213 with a grade of C or higher. Co-requisite: CHEM 3223. Three laboratory hours a week. Credit: One hour.

CHEM 3223. Organic Chemistry II. (TCCN CHEM 2425) Continuation of CHEM 2213. Organic compounds of oxygen, nitrogen, and sulfur; alcohols and ethers; organic acids and bases; carbonyl compounds; compounds of biological origin. Prerequisite: CHEM 2213 with a grade of C or higher. Co-requisite: CHEM 3221. Three lecture hours a week. Credit: Three hours.

CHEM 3313. Physical Chemistry for the Life Sciences. Equilibrium thermodynamics, kinetics, and spectroscopy with an emphasis on applications to biochemical systems. Prerequisite: CHEM 1123 with a grade of C or higher. Three lecture hours a week. Credit: Three hours.

CHEM 3331. Quantitative Chemical Analysis Laboratory. Application of various methods and techniques used in analytical chemistry, statistical treatment of data, gravimetric and titrimetric methods, spectrophotometric and chromatographic techniques. Prerequisite: CHEM 1123 or CHEM 1223. Co-requisite: CHEM 3333. Four laboratory hours a week. Credit: One hour.

CHEM 3333. Quantitative Chemical Analysis. Theoretical principles of various methods involved in quantitative determinations, statistical treatment of data, gravimetric and titrimetric methods, spectrophotometric and chromatographic techniques. Prerequisite: CHEM 1123 or CHEM 1223 with a grade of C or higher. Co-requisite: CHEM 3331. Three lecture hours a week. Credit: Three hours.

CHEM 3411. Physical Chemistry Laboratory I. Introduction to experimental measurement of physical properties and change, record keeping, data analysis, and report writing. Co-requisite: CHEM 3413. Three laboratory hours a week. Credit: One hour.

CHEM 3413. Physical Chemistry I. Introductory theories of physical chemistry covering states of matter, equilibrium thermodynamics, and kinetic processes. Prerequisites: MATH 2023, PHYS 2163, CHEM 3223, and CHEM 3334. Three lecture hours a week. Credit: Three hours.

CHEM 3421. Physical Chemistry Laboratory II. Continuation of CHEM 3411. Emphasis on spectroscopic measurement. Prerequisite: CHEM 3411. Co-requisite: CHEM 3423. Three laboratory hours a week. Credit: One hour.

CHEM 3423. Physical Chemistry II. Continuation of CHEM 3413. Introductory quantum theory, atomic and molecular structure, spectroscopy, and statistical thermodynamics. Prerequisite: CHEM 3413. Co-requisite: CHEM 3421. Three lecture hours a week. Credit: Three hours.

CHEM 3632. Biochemistry I Laboratory. Biochemical techniques: analysis, purification and characterization of amino acids, proteins, and nucleic acids, including enzyme assays and kinetics. Lab skills include record keeping, computer utilization, safety, chromatography, electrophoresis, and spectroscopy. Prerequisite: CHEM 3223 with a grade of C or higher. Co-requisite: CHEM 3633. Five laboratory hours a week. Credit: Two hours.

CHEM 3633. Biochemistry I. Fundamental structure and chemistry of biomolecules (proteins, nucleic acids, carbohydrates, and lipids) and their biologically relevant interactions. Prerequisite: CHEM 3223 with a grade of C or higher. Co-requisite: CHEM 3632. Three lecture hours a week. Credit: Three hours.

CHEM 3643. Biochemistry II. Biochemistry of metabolic pathways (mammalian) using normal and disease states as examples. Metabolism of carbohydrates, amino acids, lipids, and nucleic acids, energy metabolism, and their integration. Prerequisite: CHEM 3633 with a grade of C or higher. Three lecture hours a week. Credit: Three hours.

CHEM 4001. Research Presentations in Chemistry and Biochemistry. To prepare chemistry and biochemistry students for presentations of research results at scientific meetings. Prerequisite: Senior standing or permission of the Chair. One seminar hour a week. Credit: One hour.

CHEM 4314. Instrumental Analysis. A study of fundamental principles underlying chemical methods and modern analytical instruments and an introduction to various modern analytical instrumentation: includes FT-NMR, FTIR, chromatography, UV-Vis spectroscopy, atomic spectroscopy, electrochemistry, and mass spectrometry. Prerequisites: CHEM 3334 and CHEM 3413. Three lecture and three laboratory hours a week. Credit: Four hours.

CHEM 4511. Inorganic Chemistry Laboratory. Inorganic synthesis and spectroscopic/magnetic analysis of various metal complexes. Co-requisite: CHEM 4513. Three laboratory hours a week. Credit: One hour.

CHEM 4513. Inorganic Chemistry. Survey of periodic relationships of elements, chemical bonding, acid-base theory, coordination compounds, electronic structure of atoms and molecules, inorganic nomenclature, symmetry and group theory, and other selected topics. Prerequisite: CHEM 3413 with grade of C or higher. Three lecture hours a week. Credit: Three hours.

CHEM 4911. Independent Study. Independent student readings or experimentation in chemistry. Prerequisites: Junior standing and permission of the department chair. Credit: One hour.

CHEM 4912. Independent Study. Independent student readings or experimentation in chemistry. Prerequisites: Junior standing and permission of the department chair. Credit: Two hours.

CHEM 4913. Independent Study. Independent student readings or experimentation in chemistry. Prerequisites: Junior standing and permission of the department chair. Credit: Three hours.

CHEM 4953. Cooperative Education. Credit: Three hours.

CHEM 4956. Cooperative Education. Credit: Six hours.

CHEM 4981. Undergraduate Research. Original research at the undergraduate level. Formal, written report required. May be taken for honors credit and repeated for additional credit. Prerequisite: Permission of the department chair. Three laboratory hours a week. Credit: Three hours.

CHEM 4983. Undergraduate Research. Original research at the undergraduate level. Formal, written report required. May be taken for honors credit and repeated for additional credit. Prerequisite: Permission of the department chair. Nine laboratory hours a week. Credit: Three hours.

CHEM 4991. Senior Thesis. The writing of a thesis based on original research at the undergraduate level. May be taken for honors credit only. Prerequisites: CHEM 4981 or CHEM 4983, and permission of the department chair. Credit: One hour.

Physics Courses

PHYS 1131. Principles of Physics Laboratory I. (TCCN PHYS 1101) Experimental laboratory work on topics from PHYS 1133 correlated with its lecture material. Co-requisite: PHYS 1133. Three laboratory hours a week. Credit: One hour.

PHYS 1133. Principles of Physics I. (TCCN PHYS 1301, PHYS 1401) Introductory algebra-based physics. Mechanics, heat, and sound. May not be substituted for PHYS 2153. Three lecture hours a week. Credit: Three hours.

PHYS 1141. Principles of Physics Laboratory II. (TCCN PHYS 1102) Experimental laboratory work on topics from PHYS 1143 correlated with its lecture material. Co-requisite: PHYS 1143. Three laboratory hours a week. Credit: One hour.

PHYS 1143. Principles of Physics II. (TCCN PHYS 1302, PHYS 1402) Introductory algebra-based physics. Electricity and magnetism, light, and atomic and nuclear physics. May not be substituted for PHYS 2163. Prerequisite: PHYS 1133 with a grade of C or higher. Three lecture hours a week. Credit: Three hours.

PHYS 2151. General Physics Laboratory I. (TCCN PHYS 2125) Experimental laboratory work on topics from PHYS 2153 correlated with its lecture materials. Corequisite: PHYS 2153. Three laboratory hours a week. Credit: One hour.

PHYS 2153. General Physics I. (TCCN PHYS 2325, PHYS 2425) Introductory calculus-based physics for science majors; mechanics, heat, and sound. Prerequisite: MATH 2014. Co-requisite: PHYS 2151. Three lecture hours a week. Credit: Three hours.

PHYS 2161. General Physics Laboratory II. (TCCN PHYS 2126) Experimental laboratory work on topics from PHYS 2163 correlated with its lecture material. Co-requisite: PHYS 2163. Three laboratory hours a week. Credit: One hour.

PHYS 2163. General Physics II. (TCCN PHYS 2326, PHYS 2426) A continuation of PHYS 2153. Introductory calculus-based physics for science majors; electricity and magnetism, light, and atomic and nuclear physics. Prerequisite: PHYS 2153 with a grade of C or higher. Three lecture hours a week. Credit: Three hours.

PHYS 4911. Independent Study. Individual study in advanced physics. Credit: One hour.

PHYS 4913. Independent Study. Individual study in advanced physics. Credit: Three hours.

Faculty

Professors

BRITT, BILLY MARK, Professor of Chemistry and Biochemistry. B.S., Millsaps College; Ph.D., University of Oregon.

JOHNSON, JAMES E., Cornaro Professor of Chemistry and Biochemistry . B.Chem., University of Minnesota, Twin Cities; M.S., University of Minnesota, Twin Cities; Ph.D., University of Missouri, Columbia.

RIGGS, CHARLES L., Professor of Fashion and Textiles; Professor of Chemistry and Biochemistry. B.S., University of North Texas; Ph.D., Oklahoma State University.

SHEARDY, RICHARD D., Professor of Chemistry and Biochemistry; Chair of the Department of Chemistry and Biochemistry. B.S., Michigan State University; Ph.D., University of Florida.

Associate Professors

ANDERSON, MARY E., Associate Professor of Chemistry and Biochemistry. B.A., Hollins College; Ph.D., Cornell University.

JONES, RICHARD C., Associate Professor of Science Education. B.A., West Virginia University; M.A.T, University of Texas at Dallas; Ph.D., Texas A&M University .

OMARY, MANAL A., Associate Professor of Chemistry and Biochemistry. B.S., Yarmouk University; Ph.D., University of Maine, Augusta.

Assistant Professor

MIRSALEH-KOHAN, NASRIN, Assistant Professor of Chemistry and Biochemistry. B.S., University of Tehran; M.S., Bowling Green State University; Ph.D., University of Tennessee, Knoxville.

Lecturers

MAGUIRE, CYNTHIA F., Senior Lecturer of Chemistry and Biochemistry. B.S., University of Central Oklahoma; M.S., Texas Woman's University.

PEEBLES, LYNDA R., Senior Lecturer of Chemistry and Biochemistry. B.S., Harding University; Ph.D., University of North Texas.

Bachelor of Science in Biochemistry (American Chemical Society Certification)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

The ACS plan, approved by the American Chemical Society, is the most comprehensive offered by the department. Students who complete this degree program will receive ACS professional certification. This program is recommended for those contemplating careers in the chemical industry or for those working toward advanced degrees in chemistry.

Bachelor of Science in Biochemistry (ACS Certification) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
CHEM 1001	Horizons of Chemistry and Biochemistry I: Career Possibilities		1
CHEM 1211	Principles of Chemistry Laboratory I		1
CHEM 1213	Principles of Chemistry I		3
MATH 2014	Calculus I	MATH 2413, MATH 2313	4
BIOL 1111	Principles of Biology I Laboratory	BIOL 1106	1
BIOL 1113	Principles of Biology I	BIOL 1306, BIOL 1406	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness CAO Core			2
	Semester Credit Hours		16
Spring		**TCCN**	
CHEM 1101	Horizons of Chemistry and Biochemistry II: Current Applications		1
CHEM 1221	Principles of Chemistry Laboratory II		1
CHEM 1223	Principles of Chemistry II		3
MATH 2024	Calculus II	MATH 2314, MATH 2414	4
BIOL 1121	Principles of Biology II Laboratory	BIOL 1107	1
BIOL 1123	Principles of Biology II	BIOL 1307, BIOL 1407	3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		16

Second Year

Fall		TCCN	
CHEM 2211	Organic Chemistry Laboratory I	CHEM 2123	1
CHEM 2213	Organic Chemistry I	CHEM 2323, CHEM 2423	3
PHYS 2151	General Physics Laboratory I	PHYS 2125	1
PHYS 2153	General Physics I	PHYS 2325, PHYS 2425	3
ENG 1013	Composition I	ENGL 1301	3
HIST 2013 (GP)	Survey of World Civilization to 1715	HIST 2321	3
	Semester Credit Hours		14
Spring		**TCCN**	
CHEM 3221	Organic Chemistry Laboratory II	CHEM 2425	1

CHEM 3223	Organic Chemistry II	CHEM 2425	3
PHYS 2161	General Physics Laboratory II	PHYS 2126	1
PHYS 2163	General Physics II	PHYS 2326, PHYS 2426	3
ENG 1023	Composition II	ENGL 1302	3
CHEM 3333	Quantitative Chemical Analysis		3
CHEM 3331	Quantitative Chemical Analysis Laboratory		1
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
CHEM 3411	Physical Chemistry Laboratory I		1
CHEM 3413	Physical Chemistry I		3
CHEM 3632	Biochemistry I Laboratory		2
CHEM 3633	Biochemistry I		3
GOV 2013	U.S. National Government	GOVT 2305	3
CHEM 4513	Inorganic Chemistry		3
CHEM 4511	Inorganic Chemistry Laboratory		1
	Semester Credit Hours		16

Spring		**TCCN**	
CHEM 3421	Physical Chemistry Laboratory II		1
CHEM 3423	Physical Chemistry II		3
CHEM 3643	Biochemistry II		3
CHEM 4983	Undergraduate Research		3
Elective			3
GOV 2023	Texas Government	GOVT 2306	3
	Semester Credit Hours		16

Fourth Year

Fall		**TCCN**	
CHEM 4983	Undergraduate Research		3
Creative Arts Core			3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
CHEM 4314	Instrumental Analysis		4
	Semester Credit Hours		13

Spring		**TCCN**	
CHEM 4001	Research Presentations in Chemistry and Biochemistry		1
CHEM 4991	Senior Thesis		1
Language, Philosophy, and Culture Core			3
Social & Behavioral Science Core			3
Elective			3
Elective			3
	Semester Credit Hours		14
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Biochemistry (Pre-Health Majors)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

General Description

This degree prepares students for graduate work in biochemistry, for careers in the chemical/pharmaceutical industries, and is ideal for admission to medically-related professional programs. This degree offers flexibility for students in the upper division courses so they can tailor their program to their individual professional goals. For those more interested in medically related programs, students would choose upper division biology courses, whereas those more interested in graduate work in biochemistry would choose upper division chemistry courses.

Bachelor of Science in Biochemistry (Pre-Health Majors) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
CHEM 1001	Horizons of Chemistry and Biochemistry I: Career Possibilities		1
CHEM 1211	Principles of Chemistry Laboratory I		1
CHEM 1213	Principles of Chemistry I		3
MATH 2014	Calculus I	MATH 2413, MATH 2313	4
BIOL 1111	Principles of Biology I Laboratory	BIOL 1106	1
BIOL 1113	Principles of Biology I	BIOL 1306, BIOL 1406	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Math CAO Core			2
	Semester Credit Hours		16
Spring		**TCCN**	
CHEM 1101	Horizons of Chemistry and Biochemistry II: Current Applications		1
CHEM 1221	Principles of Chemistry Laboratory II		1
CHEM 1223	Principles of Chemistry II		3
MATH 2024 or 4013	Calculus II	MATH 2314, MATH 2414	4
BIOL 1121	Principles of Biology II Laboratory	BIOL 1107	1
BIOL 1123	Principles of Biology II	BIOL 1307, BIOL 1407	3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		16

Second Year

Fall		TCCN	
CHEM 2211	Organic Chemistry Laboratory I	CHEM 2123	1
CHEM 2213	Organic Chemistry I	CHEM 2323, CHEM 2423	3
PHYS 2151	General Physics Laboratory I	PHYS 2125	1
PHYS 2153	General Physics I	PHYS 2325, PHYS 2425	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
ENG 1013	Composition I	ENGL 1301	3
	Semester Credit Hours		14
Spring		**TCCN**	
CHEM 3221	Organic Chemistry Laboratory II	CHEM 2425	1
CHEM 3223	Organic Chemistry II	CHEM 2425	3
PHYS 2161	General Physics Laboratory II	PHYS 2126	1
PHYS 2163	General Physics II	PHYS 2326, PHYS 2426	3
ENG 1023	Composition II	ENGL 1302	3
CHEM 3333	Quantitative Chemical Analysis		3
CHEM 3331	Quantitative Chemical Analysis Laboratory		1
	Semester Credit Hours		15

Third Year

Fall		TCCN	
CHEM 3632	Biochemistry I Laboratory		2
CHEM 3633	Biochemistry I		3
CHEM 4314	Instrumental Analysis		4
BIOL 3XXX or 4XXX			4
GOV 2013	U.S. National Government	GOVT 2305	3
	Semester Credit Hours		16
Spring		**TCCN**	
CHEM 3313	Physical Chemistry for the Life Sciences		3
CHEM 3643	Biochemistry II		3
CHEM 4983	Undergraduate Research		3
Elective (GP)			3
GOV 2023	Texas Government	GOVT 2306	3
	Semester Credit Hours		15

Fourth Year			
Fall		**TCCN**	
Elective			3
CHEM 4983	Undergraduate Research		3
Creative Arts Core			3
Language, Philosophy, and Culture Core			3
Elective			2
	Semester Credit Hours		14
Spring		**TCCN**	
CHEM 4001	Research Presentations in Chemistry and Biochemistry		1
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Elective - Upper Level			4
Elective			3
Social & Behavioral Science Core			3
	Semester Credit Hours		14
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Chemistry

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

Bachelor of Science in Chemistry Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
CHEM 1001	Horizons of Chemistry and Biochemistry I: Career Possibilities		1
CHEM 1211	Principles of Chemistry Laboratory I		1
CHEM 1213	Principles of Chemistry I		3
MATH 2014	Calculus I	MATH 2413, MATH 2313	4
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO			2
	Semester Credit Hours		15
Spring		**TCCN**	
CHEM 1101	Horizons of Chemistry and Biochemistry II: Current Applications		1
CHEM 1221	Principles of Chemistry Laboratory II		1
CHEM 1223	Principles of Chemistry II		3
MATH 2024	Calculus II	MATH 2314, MATH 2414	4
ENG 1023	Composition II	ENGL 1302	3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		15
Second Year			
Fall		**TCCN**	
CHEM 2211	Organic Chemistry Laboratory I	CHEM 2123	1
CHEM 2213	Organic Chemistry I	CHEM 2323, CHEM 2423	3
PHYS 2151	General Physics Laboratory I	PHYS 2125	1
PHYS 2153	General Physics I	PHYS 2325, PHYS 2425	3
GOV 2013	U.S. National Government	GOVT 2305	3
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		14
Spring		**TCCN**	
CHEM 3221	Organic Chemistry Laboratory II	CHEM 2425	1
CHEM 3223	Organic Chemistry II	CHEM 2425	3
PHYS 2161	General Physics Laboratory II	PHYS 2126	1
PHYS 2163	General Physics II	PHYS 2326, PHYS 2426	3

GOV 2023	Texas Government	GOVT 2306	3
CHEM 3333	Quantitative Chemical Analysis		3
CHEM 3331	Quantitative Chemical Analysis Laboratory		1
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
CHEM 3411	Physical Chemistry Laboratory I		1
CHEM 3413	Physical Chemistry I		3
CHEM 3632	Biochemistry I Laboratory		2
CHEM 3633	Biochemistry I		3
CHEM 4314	Instrumental Analysis		4
Social & Behavioral Science Core			3
	Semester Credit Hours		16

Spring		**TCCN**	
CHEM 3421	Physical Chemistry Laboratory II		1
CHEM 3423	Physical Chemistry II		3
CHEM 3643	Biochemistry II		3
CHEM 4983	Undergraduate Research		3
Elective (GP)			3
	Semester Credit Hours		13

Fourth Year

Fall		**TCCN**	
CHEM 4314	Instrumental Analysis		4
CHEM 4983	Undergraduate Research		3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Creative Arts Core Course			3
Elective			4
	Semester Credit Hours		17

Spring		**TCCN**	
CHEM 4001	Research Presentations in Chemistry and Biochemistry		1
Elective			4
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Elective			3
Elective			4
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Chemistry (American Chemical Society Certification)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

The ACS plan, approved by the American Chemical Society, is the most comprehensive offered by the department. Students who complete this degree program will receive ACS professional certification. This program is recommended for those contemplating careers in the chemical industry or for those working toward advanced degrees in chemistry.

Bachelor of Science in Chemistry (ACS Certification) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
CHEM 1001	Horizons of Chemistry and Biochemistry I: Career Possibilities		1
CHEM 1211	Principles of Chemistry Laboratory I		1
CHEM 1213	Principles of Chemistry I		3
MATH 2014	Calculus I	MATH 2413, MATH 2313	4
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness CAO Core			2
ENG 1013	Composition I	ENGL 1301	3
	Semester Credit Hours		15

Spring		**TCCN**	
CHEM 1101	Horizons of Chemistry and Biochemistry II: Current Applications		1
CHEM 1221	Principles of Chemistry Laboratory II		1
CHEM 1223	Principles of Chemistry II		3
MATH 2024	Calculus II	MATH 2314, MATH 2414	4
Multicultural Women's Studies CAO Core			3
ENG 1023	Composition II	ENGL 1302	3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
CHEM 2211	Organic Chemistry Laboratory I	CHEM 2123	1
CHEM 2213	Organic Chemistry I	CHEM 2323, CHEM 2423	3
PHYS 2151	General Physics Laboratory I	PHYS 2125	1
PHYS 2153	General Physics I	PHYS 2325, PHYS 2425	3
GOV 2013	U.S. National Government	GOVT 2305	3
Language, Philosophy, and Culture			3
	Semester Credit Hours		14
Spring		**TCCN**	
CHEM 3221	Organic Chemistry Laboratory II	CHEM 2425	1
CHEM 3223	Organic Chemistry II	CHEM 2425	3
PHYS 2161	General Physics Laboratory II	PHYS 2126	1
PHYS 2163	General Physics II	PHYS 2326, PHYS 2426	3
GOV 2023	Texas Government	GOVT 2306	3
CHEM 3333	Quantitative Chemical Analysis		3
CHEM 3331	Quantitative Chemical Analysis Laboratory		1
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
CHEM 3411	Physical Chemistry Laboratory I		1
CHEM 3413	Physical Chemistry I		3
CHEM 3632	Biochemistry I Laboratory		2
CHEM 3633	Biochemistry I		3
CHEM 4314	Instrumental Analysis		4
Social & Behavioral Science			3
	Semester Credit Hours		16
Spring		**TCCN**	
CHEM 3421	Physical Chemistry Laboratory II		1
CHEM 3423	Physical Chemistry II		3
CHEM 3643	Biochemistry II		3
CHEM 4983	Undergraduate Research		3
Elective (GP)			3
	Semester Credit Hours		13

Fourth Year

Fall		**TCCN**	
CHEM 4314	Instrumental Analysis		4
CHEM 4983	Undergraduate Research		3
Creative Arts Core			3
Elective			4
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
	Semester Credit Hours		17
Spring		**TCCN**	
CHEM 4991	Senior Thesis		1
Elective			3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Elective			4
Elective			4
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

B.S. in Chemistry/Biochemistry with 7-12 Science Teacher Certification

Total Semester Credit Hours Required

124 semester credit hours.

Major

78 semester credit hours.

Bachelor of Science in Chemistry/ Biochemistry with 7-12 Science Teacher Certification Program of Study

Freshman

Fall		**TCCN**	**Semester Credit Hours**
CHEM 1113	General Chemistry I	CHEM 1311, CHEM 1411	3
CHEM 1111	General Chemistry Laboratory I	CHEM 1111	1
Social/Behavioral Science Core			3
BIOL 1113	Principles of Biology I	BIOL 1306, BIOL 1406	3
BIOL 1111	Principles of Biology I Laboratory	BIOL 1106	1
CAO Core Option			3
ENG 1013	Composition I	ENGL 1301	3
	Semester Credit Hours		17
Spring		**TCCN**	
CHEM 1123	General Chemistry II	CHEM 1312, CHEM 1412	3
CHEM 1121	General Chemistry Laboratory II	CHEM 1112	1
MATH 2014	Calculus I	MATH 2413, MATH 2313	4
BIOL 1123	Principles of Biology II	BIOL 1307, BIOL 1407	3
BIOL 1121	Principles of Biology II Laboratory	BIOL 1107	1
Multicultural Women's Studies CAO			3
ENG 1023	Composition II	ENGL 1302	3
	Semester Credit Hours		18

Sophomore

Fall		**TCCN**	
CHEM 2213	Organic Chemistry I	CHEM 2323, CHEM 2423	3
CHEM 2211	Organic Chemistry Laboratory I	CHEM 2123	1
PHYS 1133	Principles of Physics I	PHYS 1301, PHYS 1401	3
PHYS 1131	Principles of Physics Laboratory I	PHYS 1101	1
GOV 2013	U.S. National Government	GOVT 2305	3
Creative Arts Core			3
Language, Philosophy, & Culture Core			3
	Semester Credit Hours		17
Spring		**TCCN**	
CHEM 3223	Organic Chemistry II	CHEM 2425	3
CHEM 3221	Organic Chemistry Laboratory II	CHEM 2425	1
PHYS 1143	Principles of Physics II	PHYS 1302, PHYS 1402	3
PHYS 1141	Principles of Physics Laboratory II	PHYS 1102	1
GOV 2023	Texas Government	GOVT 2306	3
CHEM 3331	Quantitative Chemical Analysis Laboratory		1
CHEM 3333	Quantitative Chemical Analysis		3
	Semester Credit Hours		15

Junior

Fall		**TCCN**	
EDUC 2003	Schools and Society	EDUC 1301	3
BIOL 4593	Science in the Secondary Classroom		3
CHEM 3633	Biochemistry I		3
CHEM 3632	Biochemistry I Laboratory		2
SCI 2103	Introduction to Environmental Chemistry: Global Perspectives		3
	Semester Credit Hours		14

Spring		TCCN	
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
BIOL 4223	Ecology		3
BIOL 4221	Ecology Laboratory		1
ZOOL 4243	Mammalian Physiology		3
ZOOL 4241	Mammalian Physiology Laboratory		1
CHEM 3313	Physical Chemistry for the Life Sciences		3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
	Semester Credit Hours		19

Senior

Fall		TCCN	
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
SCI 2113	Earth Science I	GEOL 1301, GEOL 1401	3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
READ 3013	Literacy and Learning across the Curriculum		3
	Semester Credit Hours		18

Spring		TCCN	
EDUC 4036	Student Teaching: Chemistry		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		124

B.S. in Chemistry/Biochemistry with 6-12 Physical Science Teacher Certification

Total Semester Credit Hours Required

121 semester credit hours.

Major

78 semester credit hours.

Bachelor of Science in Chemistry/ Biochemistry with 6-12 Physical Science Teacher Certification Program of Study

Freshman

Fall		TCCN	Semester Credit Hours
CHEM 1213	Principles of Chemistry I		3
CHEM 1211	Principles of Chemistry Laboratory I		1
MATH 2014	Calculus I	MATH 2413, MATH 2313	4
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
CAO Core Option			3
	Semester Credit Hours		17

Spring		TCCN	
CHEM 1223	Principles of Chemistry II		3
CHEM 1221	Principles of Chemistry Laboratory II		1
MATH 2024	Calculus II	MATH 2314, MATH 2414	4
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Multicultural Women's Studies CAO			3
	Semester Credit Hours		17

Sophomore

Fall		TCCN	
CHEM 2213	Organic Chemistry I	CHEM 2323, CHEM 2423	3
CHEM 2211	Organic Chemistry Laboratory I	CHEM 2123	1

PHYS 2153	General Physics I	PHYS 2325, PHYS 2425	3
PHYS 2151	General Physics Laboratory I	PHYS 2125	1
GOV 2013	U.S. National Government	GOVT 2305	3
Creative Arts Core			3
Language, Philosophy, & Culture Core			3
	Semester Credit Hours		17
Spring		**TCCN**	
CHEM 3223	Organic Chemistry II	CHEM 2425	3
CHEM 3221	Organic Chemistry Laboratory II	CHEM 2425	1
PHYS 2163	General Physics II	PHYS 2326, PHYS 2426	3
PHYS 2161	General Physics Laboratory II	PHYS 2126	1
GOV 2023	Texas Government	GOVT 2306	3
CHEM 3331	Quantitative Chemical Analysis Laboratory		1
CHEM 3333	Quantitative Chemical Analysis		3
Social/Behavioral Science Core			3
	Semester Credit Hours		18
Junior			
Fall		**TCCN**	
EDUC 2003	Schools and Society	EDUC 1301	3
CHEM 3633	Biochemistry I		3
CHEM 3632	Biochemistry I Laboratory		2
CHEM 3413	Physical Chemistry I		3
CHEM 3411	Physical Chemistry Laboratory I		1
SCI 1114	Sustainable Physical Science	PHYS 1415	4
	Semester Credit Hours		16
Spring		**TCCN**	
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
CHEM 3423	Physical Chemistry II		3
CHEM 3421	Physical Chemistry Laboratory II		1
SCI 2103	Introduction to Environmental Chemistry: Global Perspectives		3
SCI 2113	Earth Science I	GEOL 1301, GEOL 1401	3
	Semester Credit Hours		15
Senior			
Fall		**TCCN**	
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
BIOL 4593	Science in the Secondary Classroom		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
READ 3013	Literacy and Learning across the Curriculum		3
	Semester Credit Hours		15
Spring		**TCCN**	
EDUC 4036	Student Teaching: Chemistry		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		121

Department of English, Speech, and Foreign Languages

Web Site: http://www.twu.edu/english-speech-foreign-languages

Chair: *M. Genevieve West, Professor*
Location: *CFO 906*
Phone: *940-898-2324*
Fax: *940-898-2297*
E-mail: *gwest@twu.edu*

Undergraduate Degrees Offered

- B.A. in English (Literature) (p. 114)
- B.A. in English (Rhetoric and Writing) (p. 116)
- B.A. in English (7-12 Teacher Certification) (p. 118)

The English, Speech, and Foreign Languages Department (http://www.twu.edu/english-speech-foreign-languages) offers a B.A. in English and minors in English and Spanish in addition to providing language, literature, and composition courses in the core curriculum. The English major has three tracks: Literature, Rhetoric and Writing, and 7-12 Teacher Certification. All three tracks in the Bachelor of Arts in English provide students with a strong foundation in language skills, critical thinking, and appreciation of literature. Students are encouraged to gain professional experience in the workplace through internships in the Write Site, *The Lasso,* or in other venues. Information on internships is available through the TWU Pioneer Center.

With a B.A. in English, students can prepare for careers in writing and editing, for teaching, and for a variety of careers which value communication and critical thinking skills. In addition, this degree provides an excellent foundation for graduate and professional programs. The department also offers graduate studies leading to the M.A. in English and the Ph.D. in Rhetoric.

An undergraduate student majoring in English or another field who expects to pursue graduate study in English is encouraged to confer with her advisor during the junior and senior years in order to coordinate undergraduate and graduate programs.

For information concerning the Master of Arts degree in English and the Doctor of Philosophy degree in Rhetoric, see the Graduate Catalog (http://catalog.twu.edu/graduate).

Graduate Courses

Please refer to the Graduate Catalog (http://catalog.twu.edu/graduate) for information regarding graduate courses.

Spanish Undergraduate Courses

Spanish may be selected as a minor field of study for the Bachelor of Arts or the Bachelor of Science degree. At least 18 semester credit hours of Spanish are required for a minor in Spanish. Six semester credit hours must be at the advanced level. Three of those advanced hours must be taken at TWU.

Admissions

Please see Admission (p. 18) section of this catalog. The same standards for admission to the University apply to the Department of English, Speech, and Foreign Languages.

Minors

English or Spanish Minor

- English
- Spanish

No grade lower than C will count toward an English minor or Spanish minor.

For a minor in English, the requirement is 12 semester credit hours in the department beyond first-year composition for a total of 18 credit hours. At least 6 semester credit hours must be advanced and must include one 3000-level writing course. At least 3 semester credit hours of the 6 advanced semester credit hours must be completed at TWU.

The Spanish minor requires these courses: SPAN 1013, SPAN 1023, SPAN 1033, SPAN 1043, SPAN 3153, and SPAN 3163. Students may not take more than one Spanish class at a time. At least one of the advanced courses must be taken at TWU.

English Courses

ENG 1003. Introduction to Writing. Required of all freshmen who do not meet entrance requirements for ENG 1013. Includes intensive instruction and exercise in syntax, punctuation, spelling, and vocabulary development. English 1003 does not satisfy any English core requirement, and hours earned will not count toward graduation requirements. Three lecture hours a week.

ENG 1013. Composition I. (TCCN ENGL 1301) Theory and practice of written and oral exposition and research in traditional and electronic environments; rhetorical principles and organization in practice. Prerequisites: ENG 1003 or a passing score on, or exemption from, placement exam. Three lecture hours a week. Credit: Three hours.

ENG 1023. Composition II. (TCCN ENGL 1302) Theory and practice of critical exposition and rhetorical analysis in traditional and electronic environments; composing persuasive and investigative texts based on research. Prerequisite: ENG 1013 or its equivalent. Three lecture hours a week. Credit: Three hours.

ENG 2013. English Literary Masterpieces. (TCCN ENGL 2322) Major prose and poetry studied in chronological sequence. Emphasis on the artistry and the relation of technique to content of the works studied. Three lecture hours a week. Credit: Three hours.

ENG 2033. American Literary Masterpieces. (TCCN ENGL 2326) Major works of American literature studied in chronological sequence. Attention to both poetry and prose. Three lecture hours a week. Credit: Three hours.

ENG 2043. World Literary Masterpieces I. (TCCN ENGL 2332) Survey of the masterworks of world literature, beginning with the earliest Greek works. Emphasis on the acquisition of an overview of world literature as well as knowledge about the genres, literary epochs, and literary history which has informed British and American literature. Three lecture hours a week. Credit: Three hours.

ENG 2053. World Literary Masterpieces, 1600 to Present. (TCCN ENGL 2333) Survey of the masterworks of world literature, beginning with the seventeenth century and reaching to recent times. Emphasis on the acquisition of an overview of world literature as well as knowledge about the genres, literary epochs, and literary history which has informed British and American literature. Three lecture hours a week. Credit: Three hours.

ENG 2073. Mythology. A survey of world mythologies and their global influences on the fine arts and literature. Three lecture hours. Credit: Three hours.

ENG 2153. Introduction to Literature. (TCCN ENGL 2341) Introduction to the genres of fiction, poetry, and drama with an emphasis on critical reading. Three lecture hours a week. Credit: Three hours.

ENG 2393. Introduction to Literature by Women. Introduction to important works of literature by women. Organized by theme, topic, genre, ethnic group, or nationality. Three lecture hours a week. Credit: Three hours.

ENG 3013. Representative Works of British Literature to 1760. Examines significant works in depth with study of authors and genres in relation to the aesthetic, historical, and cultural contexts. Requires research with primary and secondary sources. Prerequisite: ENG 1023. Three lecture hours a week. Credit: Three hours.

ENG 3023. Representative Works of British Literature from 1760 to Present. Examines significant works in depth with study of authors and genres in relation to the aesthetic, historical, and cultural contexts. Requires research with primary and secondary sources. Prerequisite: ENG 1023. Three lecture hours a week. Credit: Three hours.

ENG 3033. Introduction to the Study of World Literature. Study of ancient, classical, medieval, and modern literature, with a stress on the intercultural relationships reflected through the translation and transmission of texts. Prerequisite: 9 hours of English. Three lecture hours a week. Credit: Three hours.

ENG 3043. Drama. Intensive study of the genre of drama. Prerequisite: 9 hours of English. Three seminar hours a week. Credit: Three hours.

ENG 3053. Fiction. Intensive study of fiction. Prerequisite: 9 hours of English. Three seminar hours a week. Credit: Three hours.

ENG 3063. Poetry. Writing intensive study of the genre of poetry. Prerequisite: 9 hours of English. Three seminar hours a week. Credit: Three hours.

ENG 3073. Literature by Women. Advanced examination of literature by women. Organized by theme, topic, or genre. May be repeated when topic varies. Prerequiste: 9 hours of English. Three lecture hours a week. Credit: Three hours.

ENG 3113. Introduction to English Studies. An introduction to English studies , with attention to literary study as well as writing and research practices appropriate to the field with varied literary texts. Prerequisite: ENG 1023 with a grade of C or higher. Co-requisite: Must be taken before or concurrently with first 3000 level literature course. Three seminar hours a week. Credit: Three hours.

ENG 3123. Creative Writing. Fundamentals and techniques of creative writing, exploring genres such as fiction, poetry, drama, and creative nonfiction. Intensive practice in reading and writing in the genre(s) selected by the instructor. May be repeated for for up to nine hours credit when the topic varies. Prerequisites: Twelve hours of English. Three lecture hours a week. Credit: Three hours.

ENG 3153. Multicultural Literature. Study of literature which reflects the experience of various cultural groups. Focus on particular themes, genres, historical periods, or cultural groups. Prerequisite: Nine hours of English. Three lecture hours a week. Credit: Three hours.

ENG 3203. Advanced Grammar and Composition. Concentration on the basic terminology and procedures of English grammar, rhetoric, and composition, with intensive practice. Prerequisites: ENG 1023 and three additional hours of English. Three lecture hours a week. Credit: Three hours.

ENG 3233. Advanced Expository Writing. Writing of exposition for both specialized and general audiences, with attention to genre, expository strategy, invention, and convention. Prerequisites: ENG 3203 and six additional hours of English. Three seminar hours a week. Credit: Three hours.

ENG 3273. Film and Literature. Writing intensive study of film and its relation to literature. Prerequisites: Nine hours of English. Three lecture hours a week. Credit: Three hours.

ENG 3283. Survey of American Literature: Colonial through Romantic. Major prose and poetry written in the United States during the Colonial Period through the Romantic Period studied chronologically. Artistry and technique of the works studied along with attention to the periods in which the works were written and read. Prerequisites: ENG 1023 and three additional hours of English. Three lecture hours a week. Credit: Three hours.

ENG 3293. Survey of American Literature: Realism to the Present. Major prose and poetry written in the United States during the Realistic Period up to and including the present studied chronologically. Artistry and technique of the works studied along with some attention to the periods in which the works were written and read. Prerequisites: ENG 1023 and three additional hours of English. Three lecture hours a week. Credit: Three hours.

ENG 3363. Introduction to Linguistics. A survey of the techniques and practice of recent linguistic theory, including the structural and transformational concepts of English syntax and semantics. Prerequisite: ENG 1023. Three lecture hours a week. Credit: Three hours.

ENG 3433. Professional Writing. (TCCN ENGL 2314) Strategies and practice in selected rhetorical forms; reading and rhetorical analysis of selected works. Prerequisites: Nine hours of English or permission of instructor. Three lecture hours a week. Credit: Three hours.

ENG 4353. Topics in American Literature. Intensive investigation of a topic related to genre, style, period, or theme of American Literature. May be repeated when topic varies. Prerequisite: 12 hours of English or permission of instructor. Three seminar hours a week. Credit: Three hours.

ENG 4363. Digital Rhetoric. Analysis, theory, production, and pedagogy of digitally-mediated texts. Prerequisites: Twelve hours of English or permission of instructor. Three seminar hours a week. Credit: Three hours.

ENG 4423. Topics in British Literature. Directed investigation of a topic related to genre, style, period, or theme in British Literature. May be repeated when topic varies. Prerequisite: 12 hours of English or permission of instructor. Three seminar hours a week. Credit: Three hours.

ENG 4433. Topics in World Literature. Directed investigation of a topic related to genre, style, period, or theme in world/global literature. May be repeated when topic varies. Prerequisite: 12 hours of English. Three seminar hours a week. Credit: Three hours.

ENG 4443. Major Authors. Intensive study of the work(s) of major literary figures. May be repeated when topic varies. Prerequisite: 12 hours in English or permission of instructor. Three seminar hours a week. Credit: Three hours.

ENG 4453. Genre Studies. Intensive investigation of a genre or sub-genre of literature. May be repeated when topic varies. Prerequisite: 12 hours of English or permission of instructor. Three seminar hours a week. Credit: Three hours.

ENG 4463. Literary Theory and Criticism. Survey of theory and practice of literary criticism. Prerequisite: 12 hours of English or permission of instructor. Three seminar hours a week. Credit: Three hours.

ENG 4473. Topics in Writing and Rhetoric. Directed investigation of advanced rhetorical and composition practices within a selected field or mode. May be repeated when topic varies. Prerequisite: 12 hours of English or permission of instructor. Three lecture hours a week. Credit: Three hours.

ENG 4483. Methods of Teaching English. Effective methods of teaching English, including structuring small-group and whole-class activities and discussions, teaching composition, encouraging students' close reading of texts through rhetorical analysis and literary criticism, and producing technologically-enhanced classroom presentations. Prerequisites: Nine hours of English. Three lecture hours a week. Credit: Three hours.

ENG 4903. Special Topics. Varied topics of literature: a period, specific authors, specific themes. May be repeated for credit when the topic varies. Prerequisites: Nine hours of English. Three lecture hours a week. Credit: Three hours.

ENG 4911. Independent Study. Detailed study of a specialized topic in English. May be repeated for credit when the topic of investigation varies. Prerequisites: Nine hours of English or permission of instructor. Credit: One hour.

ENG 4913. Independent Study. Directed study of a specific focus in literature. Readings, conferences, special projects. May be repeated for credit when the topic varies. Prerequisites: Nine hours of English or permission of instructor. Credit: Three hours.

ENG 4953. Cooperative Education. (TCCN ENGL 2389) Credit: Three hours.

ENG 4983. Senior Capstone in English. Application and enrichment of skills and knowledge in preparation for entering the workforce or post-baccalaureate programs. Prerequisite: 18 hours upper-division English. Three seminar hours a week. Credit: Three hours.

Spanish Courses

SPAN 1013. Elementary Spanish. (TCCN SPAN 1311) For students with no previous instruction in Spanish. Three lecture hours a week. Credit: Three hours.

SPAN 1023. Elementary Spanish. (TCCN SPAN 1312) Continuation of SPAN 1013. Prerequisite: SPAN 1013. Three lecture hours a week. Credit: Three hours.

SPAN 1033. Review of Grammar, Conversation, and Reading. (TCCN SPAN 2311) Prerequisite: SPAN 1023. Three lecture hours a week. Credit: Three hours.

SPAN 1043. Review of Grammar, Conversation, and Reading. (TCCN SPAN 2312) Continuation of SPAN 1033. Prerequisite: SPAN 1023. Three lecture hours a week. Credit: Three hours.

SPAN 3153. Spanish Grammar, Composition, and Literature I. The development of writing and reading skills and vocabulary in Spanish. Prerequisites: SPAN 1033 and SPAN 1043, or permission of the instructor. Three lecture hours a week. Credit: Three hours.

SPAN 3163. Spanish Grammar, Composition, and Literature II. Continuation of SPAN 3153. Prerequisites: SPAN 1033 and SPAN 1043, or permission of the instructor. Three lecture hours a week. Credit: Three hours.

SPAN 4903. Special Topics. Three lecture hours a week. Credit: Three hours.

SPAN 4911. Independent Study. Credit: One hours.

SPAN 4913. Independent Study. Credit: Three hours.

Speech Courses

SPCH 1013. Oral Communication. (TCCN SPCH 1311) Elements and processes of interpersonal communication in all modes. Small group activities, oral interpretation of literature, and extemporaneous speaking. Evaluative listening and speaking experience. Three lecture hours a week. Credit: Three hours.

SPCH 4913. Independent Study. Detailed study of specialized topics in speech. Prerequisite: Junior standing. May be repeated for credit when the topic of investigation varies. Credit: Three hours.

Faculty

Professors

BRIDGES, PHYLLIS J., Cornaro Professor of English. B.A., West Texas A&M University; M.A., West Texas A&M University; Ph.D., Texas Tech University.

SOURIS, STEPHEN W., Professor of English. B.A., Harvard University; M.A., University of Michigan, Ann Arbor; Ph.D., University of Wisconsin, Madison.

THOMPSON, LOU A., Professor of English. B.A., University of North Texas; M.A., Louisiana State University; Ph.D., Texas Christian University.

WEST, M. GENEVIEVE, Professor of English; Chair of the Department of English, Speech, and Foreign Languages. B.A., Mississippi State University; M.A., Mississippi State University; Ph.D., Florida State University.

Associate Professors

CASPER, VIVIAN C., Associate Professor of English. B.A., Washburn University; M.A., Rice University; Ph.D., Rice University.

FEHLER, BRIAN, Associate Professor of English. B.A., Texas Wesleyan University; M.A., Texas Christian University; Ph.D., Texas Christian University.

GREER, RUSSELL, Associate Professor of English. A.B.J., University of Georgia; A.L.M., Harvard University; Ph.D., University of Georgia.

LITTON, ALFRED GUY, Associate Professor of English; Executive Director of Honors Programs. B.A., University of Arkansas; M.A.,

University of Central Arkansas; Ph.D., University of South Carolina, Columbia.

Assistant Professors

BENDER, ASHLEY B., Assistant Professor of English. B.A., University of North Texas; M.A., University of North Texas; Ph.D., University of North Texas.

BROWN, MATTHEW C., Assistant Professor of English. B.A., University of Florida; B.S., University of Florida; M.A., University of Toronto; Ph.D., University of Notre Dame.

BUSL, GRETCHEN L., Assistant Professor of English. B.A., Mount Holyoke College; Ph.D., University of Notre Dame.

LACKEY, DUNDEE C., Assistant Professor of English. B.F.A., Texas State University; M.A., Texas A&M University, Corpus Christi; Ph.D., Michigan State University.

SCOTT, GRAHAM R., Assistant Professor of English. B.A., California State University, San Bernardino; M.A., University of California, Riverside; Ph.D., University of California, Riverside.

Bachelor of Arts in English (Literature)

Total Semester Credit Hours Required

120 semester credit hours.

Major

42 semester credit hours.

Minor (required)

18 semester credit hours.

To earn the Bachelor of Arts degree with a major in English, a student will complete 6 semester credit hours of English (ENG 1013, ENG 1023), and amass a minimum of 42 semester credit hours in advanced English, including credit in the following required courses:

English Major Core (for all tracks)		9
ENG 3113	Introduction to English Studies	
ENG 3033	Introduction to the Study of World Literature	
ENG 3203	Advanced Grammar and Composition (Capstone)	
Genre Studies (Select two)		6
ENG 3043	Drama	
ENG 3053	Fiction	
ENG 3063	Poetry	
ENG 3273	Film and Literature	
Linguistics		3
ENG 3363	Introduction to Linguistics	
Literature Track Requirements		
Surveys (Select three)		9
ENG 3013	Representative Works of British Literature to 1760	
ENG 3023	Representative Works of British Literature from 1760 to Present	
ENG 3283	Survey of American Literature: Colonial through Romantic	
ENG 3293	Survey of American Literature: Realism to the Present	
Diverse Perspectives (Select one)		3
ENG 3153	Multicultural Literature	
ENG 3073	Literature by Women	
One open 3000- or 4000-level ENG Elective		3
Two 4000-level electives (Select two)		6
ENG 4353	Topics in American Literature	
ENG 4423	Topics in British Literature	
ENG 4433	Topics in World Literature	
ENG 4443	Major Authors	
ENG 4423	Topics in British Literature	
ENG 4453	Genre Studies	
ENG 4463	Literary Theory and Criticism	
ENG 4473	Topics in Writing and Rhetoric	
ENG 4983	Senior Capstone in English	3

Students must maintain a 2.0 average in the major, earn a C or better in ENG 3203, and have no more than one D counting towards graduation.

The major who does not work toward certification will compile at least 18 semester credit hours in a minor field. Six of the 18 semester credit hours must be advanced. At least 3 semester credit hours must be completed at TWU.

All students must complete three semester credit hours in approved Global Perspectives courses, either in the core or major courses (graduation requirement).

Bachelor of Arts in English (Literature) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
SPCH 1013	Oral Communication	SPCH 1311	3
Life/Physical Science Core			3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Creative Arts Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
Multicultural Women's Studies CAO Core			3
Life/Physical Science Core			3

HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
ENG 3113	Introduction to English Studies		3
Foreign Language I			3
Mathematics Core			3
ENG 3203	Advanced Grammar and Composition		3
GOV 2013	U.S. National Government	GOVT 2305	3
Welless CAO Core			2
	Semester Credit Hours		17

Spring		**TCCN**	
Foreign Language II			3
ENG 3363	Introduction to Linguistics		3
Genre Course I (Select 3 SCH)			3
ENG 3043	Drama		
ENG 3053	Fiction		
ENG 3063	Poetry		
ENG 3273	Film and Literature		
Survey I (Select 3 SCH)			3
ENG 3013	Representative Works of British Literature to 1760		
ENG 3023	Representative Works of British Literature from 1760 to Present		
ENG 3283	Survey of American Literature: Colonial through Romantic		
ENG 3293	Survey of American Literature: Realism to the Present		
Social and Behavioral Sciences Core			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
Foreign Language III			3
ENG 3033 (GP)	Introduction to the Study of World Literature		3
Survey II (Select 3 SCH)			3
ENG 3013	Representative Works of British Literature to 1760		
ENG 3023	Representative Works of British Literature from 1760 to Present		
ENG 3283	Survey of American Literature: Colonial through Romantic		
ENG 3293	Survey of American Literature: Realism to the Present		
Genre Course II (Select 3 SCH)			3
ENG 3043	Drama		
ENG 3053	Fiction		
ENG 3063	Poetry		
ENG 3273	Film and Literature		
Minor			3
	Semester Credit Hours		15

Spring		**TCCN**	
Foreign Language IV			3
Survey III (Select 3 SCH)			3
ENG 3013	Representative Works of British Literature to 1760		
ENG 3023	Representative Works of British Literature from 1760 to Present		
ENG 3283	Survey of American Literature: Colonial through Romantic		
ENG 3293	Survey of American Literature: Realism to the Present		
Elective (3000 or 4000 level ENG course)			3

Elective			3
Minor			3
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Elective (4000 level)			3
ENG 4983	Senior Capstone in English		3
Minor			3
Minor			3
	Semester Credit Hours		15
Spring		**TCCN**	
ENG 3153 or 3073	Multicultural Literature		3
Elective (4000 level)			3
Minor			3
Minor			3
	Semester Credit Hours		12
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in English (Rhetoric and Writing)

Total Semester Credit Hours Required

120 semester credit hours.

Major

42 semester credit hours.

Minor (required)

18 semester credit hours.

To earn the Bachelor of Arts degree with a major in English, a student will complete 6 semester credit hours of English (ENG 1013, ENG 1023), and amass a minimum of 42 semester credit hours in advanced English, including credit in the following required courses:

English Major Core (for all tracks)		9
ENG 3113	Introduction to English Studies	
ENG 3033	Introduction to the Study of World Literature	
ENG 3203	Advanced Grammar and Composition (Capstone)	
Genre Studies (Select two)		6
ENG 3043	Drama	
ENG 3053	Fiction	
ENG 3063	Poetry	
ENG 3273	Film and Literature	
Linguistics		3
ENG 3363	Introduction to Linguistics	
Rhetoric and Writing Track Requirements		
Surveys (Select two)		6
ENG 3013	Representative Works of British Literature to 1760	
ENG 3023	Representative Works of British Literature from 1760 to Present	
ENG 3283	Survey of American Literature: Colonial through Romantic	
ENG 3293	Survey of American Literature: Realism to the Present	
ENG 3233	Advanced Expository Writing	3
ENG 4363	Digital Rhetoric	3
ENG 4473	Topics in Writing and Rhetoric	3
ENG 4983	Senior Capstone in English	3
One 3000- or 4000-level writing elective		3

Students must maintain a 2.0 average in the major, earn a C or better in ENG 3203, and have no more than one D counting towards graduation.

The major who does not work toward certification will compile at least 18 semester credit hours in a minor field. Six of the 18 semester credit hours must be advanced. At least 3 semester credit hours must be completed at TWU.

All students must complete three semester credit hours in approved Global Perspectives courses, either in the core or major courses (graduation requirement).

Bachelor of Arts in English (Rhetoric and Writing) Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
SPCH 1013	Oral Communication	SPCH 1311	3
Life/Physical Science Core			3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Creative Arts Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
Multicultural Women's Studies CAO Core			3
Life/Physical Science Core			3

HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Lanuage, Philosophy, and Culture Core			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
ENG 3113	Introduction to English Studies		3
Foreign Language I			3
Mathematics Core			3
ENG 3203	Advanced Grammar and Composition		3
GOV 2013	U.S. National Government	GOVT 2305	3
	Semester Credit Hours		15

Spring		**TCCN**	
Foreign Language II			3
ENG 3363	Introduction to Linguistics		3
Genre Course I (Select 3 SCH)			3
ENG 3043	Drama		
ENG 3053	Fiction		
ENG 3063	Poetry		
ENG 3273	Film and Literature		
Survey I (Select 3 SCH)			3
ENG 3013	Representative Works of British Literature to 1760		
ENG 3023	Representative Works of British Literature from 1760 to Present		
ENG 3283	Survey of American Literature: Colonial through Romantic		
ENG 3293	Survey of American Literature: Realism to the Present		
ENG 4903 (Advanced Expository Writing)	Special Topics		3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
Foreign Language III			3
ENG 4903 (Digital Rhetoric)	Special Topics		3
ENG 3033 (GP)	Introduction to the Study of World Literature		3
Genre Course II (Select 3 SCH)			3
ENG 3043	Drama		
ENG 3053	Fiction		
ENG 3063	Poetry		
ENG 3273	Film and Literature		
Minor			3
	Semester Credit Hours		15

Spring		**TCCN**	
Foreign Language IV			3
Social and Behavioral Sciences Core			3
ENG Elective (3000 or 4000 level)			3
Survey II (Select 3 SCH)			3
ENG 3013	Representative Works of British Literature to 1760		
ENG 3023	Representative Works of British Literature from 1760 to Present		
ENG 3283	Survey of American Literature: Colonial through Romantic		
ENG 3293	Survey of American Literature: Realism to the Present		
Minor			3
Wellness CAO Core			2
	Semester Credit Hours		17

Fourth Year

Fall		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Rhetoric/Writing Elective			3
ENG 4983	Senior Capstone in English		3
Minor			3
Minor			3
	Semester Credit Hours		15

Spring		TCCN	
ENG 3153 or 3073	Multicultural Literature		3
ENG 4473	Topics in Writing and Rhetoric		3
Minor			3
Minor			3
	Semester Credit Hours		12
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in English (7-12 Teacher Certification)

Total Semester Credit Hours Required

125 semester credit hours.

Students wishing to be certified to teach in grades 7-12 must apply to Teacher Education (prior to taking their EDUC courses), meet their admission requirements, and meet the requirements outlined in the Professional Dispositions Policy. For information on applying for admission, please contact the Student Support Office in 211 Stoddard Hall at 940-898-2829.

Major

42 semester credit hours.

Minor

25 semester credit hours.

English Core (for all tracks)		9
ENG 3033	Introduction to the Study of World Literature	
ENG 3113	Introduction to English Studies	
ENG 3203	Advanced Grammar and Composition (Capstone)	
Genre Studies (Select two)		6
ENG 3043	Drama	
ENG 3053	Fiction	
ENG 3063	Poetry	
ENG 3273	Film and Literature	
Linguistics		3
ENG 3363	Introduction to Linguistics	
Teacher Certification Track Requirements		
Surveys (All four)		12
ENG 3013	Representative Works of British Literature to 1760	
ENG 3023	Representative Works of British Literature from 1760 to Present	
ENG 3283	Survey of American Literature: Colonial through Romantic	
ENG 3293	Survey of American Literature: Realism to the Present	
Diverse Perspectives (Select one)		3
ENG 3073	Literature by Women	
ENG 3153	Multicultural Literature	
One open ENG 3000- or 4000-level elective		3
ENG 4483	Methods of Teaching English	3
One 4000-level ENG class (Select one)		3
ENG 4423	Topics in British Literature	
ENG 4433	Topics in World Literature	
ENG 4443	Major Authors	
ENG 4453	Genre Studies	
ENG 4463	Literary Theory and Criticism	
ENG 4473	Topics in Writing and Rhetoric	
ENG 4903	Special Topics (Topics in American Literature)	

Bachelor of Arts in English (7-12 Teacher Certification) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
SPCH 1013	Oral Communication	SPCH 1311	3
Life/Physical Science Core			3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Creative Arts Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
Multi-Cultural Women's Studies Core			3
Life/Physical Science Core			3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
ENG 3113	Introduction to English Studies		3
Foreign Language I			3
Mathematics Core			3

ENG 3203	Advanced Grammar and Composition		3
GOV 2013	U.S. National Government	GOVT 2305	3
Wellnes CAO Core			2
	Semester Credit Hours		17
Spring		**TCCN**	
Foreign Language II			3
ENG 3363	Introduction to Linguistics		3
Genre Course (Select 3 SCH)			3
ENG 3043	Drama		
ENG 3053	Fiction		
ENG 3063	Poetry		
ENG 3273	Film and Literature		
ENG 3293	Survey of American Literature: Realism to the Present		3
Social and Behavioral Sciences Core			3
EDUC 2003	Schools and Society	EDUC 1301	3
	Semester Credit Hours		18
Third Year			
Fall		**TCCN**	
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
EDUC 3003	Learning Theory and Development		3
Foreign Language III			3
ENG 3013	Representative Works of British Literature to 1760		3
ENG 3153 or 3073	Multicultural Literature		3
Genre Course (Select 3 SCH)			3
ENG 3043	Drama		
ENG 3053	Fiction		
ENG 3063	Poetry		
ENG 3273	Film and Literature		
	Semester Credit Hours		17
Spring		**TCCN**	
Foreign Language IV			3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
ENG 3033 (GP)	Introduction to the Study of World Literature		3
ENG 3023	Representative Works of British Literature from 1760 to Present		3
READ 3013	Literacy and Learning across the Curriculum		3
	Semester Credit Hours		18
Fourth Year			
Fall		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
ENG 3283	Survey of American Literature: Colonial through Romantic		3
ENG 4483	Methods of Teaching English		3
ENG Elective (3000 or 4000 level)			3
ENG Elective (4000 level)			3
	Semester Credit Hours		18
Spring		**TCCN**	
EDUC 4046	Student Teaching: English		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		125

(GP) courses satisfy global perspectives graduation requirement.

Department of History and Government

Web Site: http://www.twu.edu/history-government

Chair: *Jonathan Olsen, Professor*
Location: *CFO 605*
Phone: *940-898-2133*
Fax: *940-898-2130*
E-mail: *historygov@twu.edu*

Undergraduate Degrees Offered

- B.S. in Criminal Justice, an interdisciplinary program with the Department of Sociology and Social Work (p. 125)
- B.A. in Government (Legal Studies Emphasis) (p. 135)
- B.A. in Government (Politics Emphasis) (p. 125)
- B.S. in Government (Legal Studies Emphasis) (p. 136)
- B.S. in Government (Politics Emphasis) (p. 126)
- B.A. in History (p. 128)
- B.A. in History (4-8 History/Social Studies Certification) (p. 129)
- B.A. in History (7-12 History/Social Studies Certification) (p. 130)
- B.S. in History (p. 131)
- B.S. in History (4-8 History/Social Studies Certification) (p. 132)
- B.S. in History (7-12 History/Social Studies Certification) (p. 134)

The Department of History and Government (http://www.twu.edu/history-government) offers programs leading to the Bachelor of Arts, Bachelor of Science, and Master of Arts degrees with majors in either history or government; and the Bachelor of Arts and Bachelor of Science degrees in criminal justice. Special emphases in government/politics, and legal studies are available. The department also offers a minor in history, government, or criminal justice as well as programs leading to teacher certification at various levels. The department provides pre-law advising for students (see pre-law).

For information concerning the Master of Arts degree, and the Master of Arts in Teaching (MAT), see the Graduate Catalog (http://catalog.twu.edu/graduate).

For detailed information about any programs in the department, write or e-mail:

Chair, Department of History and Government
Texas Woman's University
Box 425889
Denton, Texas 76204-5889

No grade lower than C can be counted toward completion of any major or minor in this department.

Internship Experience

All majors and minors in the Department are encouraged to add a history or government internship to their classroom curricula. Internships allow students to expand and apply traditional learning through real life experiences in the local, national, and global workplace. They also provide an opportunity for students to network with professionals in the field, and clarify choices when making career decisions.

Teacher Certification

The Department of History and Government offers a variety of undergraduate and graduate programs resulting in state teacher certification at either the middle school or high school level. Each of the options listed for certification must be completed in compliance with requirements set by the Texas Education Agency and the Texas Higher Education Coordinating Board.

All students desiring teacher certification must comply with all certification requirements as outlined by the College of Professional Education (p. 350). Contact the department of History and Government (http://www.twu.edu/history-government) for details of teacher certification plans.

Pre-Law

Law schools have no prescribed pre-law curriculum, program, or major. According to the American Bar Association Section on Legal Education, there are important skills and values, and significant bodies of knowledge that you can acquire prior to law school that will provide a sound foundation for a legal education. These include analytic and problem-solving skills , critical reading abilities, writing skills, oral communication and listening abilities, general research skills, task organization and management skills, and the values of serving faithfully the interests of others while also promoting justice. If you wish to prepare adequately for a legal education, and for a career in law or for other professional service that involves the use of lawyering skills, you should seek educational, extra-curricular and life experiences that will assist you in developing those attributes.

A degree in Government or History will provide a strong liberal arts foundation to develop these skills, values, and life experiences, and thus to be better prepared for law school and law related careers.

Students who major in Government with an emphasis in Legal Studies will take courses that develop their abilities to think critically, write and speak effectively, and solve problems, in a legal context. They will also have a broad range of electives dealing with the law-making process, public policy, and the history of our legal system. Of special value are opportunities to intern with law firms, corporate legal departments, government agencies, and non-profit public interest groups. The major in Government (Legal Studies) requires 30 semester credit hours as outlined above. For more information, consult the advisor for Government (Legal Studies), or the History and Government website (http://www.twu.edu/history-government).

Graduate Courses

Please refer to the Graduate Catalog (http://catalog.twu.edu/graduate) for information regarding graduate courses.

Admissions

Please see Admission (p. 18) section of this catalog. The same standards for admission to the University apply to the Department of History and Government.

Minors

Minor in History or Government

The department also offers a minor either in history or government. A minor in history requires 18 semester credit hours of history (9 hours of lower division and 9 hours of upper division). A minor in government

requires 18 semester credit hours of government (at least six semester credit hours advanced). At least half of the advanced semester credit hours in a minor must be taken at TWU.

Minor in Criminal Justice

A minor in criminal justice is available. Please see Criminal Justice Program section of this catalog for details.

Ethnic Studies Minor

In cooperation with the Departments of Reading and Bilingual Education, Educational Leadership, English, Speech and Foreign Languages, Performing Arts, and Sociology and Social Work, the Department of History and Government offers a minor in Ethnic Studies. See the Academic Information section of this catalog for the listing of courses.

Government Courses

GOV 2013. U.S. National Government. (TCCN GOVT 2305) Origin and development of the U.S. Constitution; structure and powers of the national government including the legislative, executive, and judicial branches; federalism; democratic theory, political participation, and the national election process; policy-making and factors influencing national policy decisions; civil liberties and civil rights; American foreign relations; demographics and the politics of race, gender, and class in the American political system. Three lecture hours a week. Credit: Three hours.

GOV 2023. Texas Government. (TCCN GOVT 2306) Origin and development of the Texas Constitution; structure and powers of the state government including the legislative, executive, and judicial branches; federal-state relations; political participation and the election process in Texas; local governments; policy-making and factors influencing policy decisions in Texas; demographics and the politics of race, gender, and class in the Texas political system. Three lecture hours a week. Credit: Three hours.

GOV 2223. Criminal Investigation. (TCCN CRIJ 2314) Investigative theory; collection and preservation of evidence; interview and interrogation; uses of forensic sciences; case and trial preparation. Prerequisite: Three hours of government or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3013. Community Conversation in Sustainability. Sustainability issues from scientific, sociological, and business perspectives. Topics include the impacts of energy production, food production, industry, and our modern lifestyle on our local and global community with an emphasis on systems and possible solutions. Three lecture hours a week. Credit: Three hours.

GOV 3053. The American Presidency. Recruitment, selection, and authority; interaction of the executive branch with Congress, parties, the courts, and the public; the influence of personality on performance. Prerequisite: Three hours of government or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3063. Women in Politics. Impact of gender on power and influence in society; political socialization, participation, and leadership of women; women's political issues and movements. Prerequisite: Three hours of government or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3123. Legal Research. Techniques of legal research and writing, sources of the law and how each can be found; case analysis, legal citation, legal bibliography, and computer-assisted legal research. Prerequisite: GOV 3113 or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3133. Legal Research II. Analysis of legal problems, and effective communication of that analysis through drafting legal documents such as office memoranda, letters, pleadings, motions, briefs, contracts, and wills. Discussion of writing style focusing on the policies underlying conventions of composition and presentation of legal authority. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3153. Legal Environment. Introduction to law and the legal professions; the role of the various actors in the legal process including lawyers, paralegals, judges, and court administrators; legal ethics; basic legal terminology; structure, functions, and political impact of the judicial system at the local, state, and national levels. Prerequisite: Three hours of government or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3203. American Environmental History, Culture, and Law. Examination of the transformation of the American environmental landscape; cultural adaptation to this transformation, and public attitudes toward the sustainable use of natural resources. Three lecture hours a week. Credit: Three hours.

GOV 3233. Police, Policies, and Practices. The police profession; organization of law enforcement systems; the police role; police discretion; ethics; police-community interaction; current and future issues. Prerequisite: Three hours of government or permission of the instructor. Three lecture hours a week. Credit: Three hours.

GOV 3243. Criminal Law. A study of the nature of criminal law; philosophical and historical development; major definitions and concepts; classification of crime; elements of crimes and penalties using Texas statutes as illustrations; criminal responsibility. Prerequisite: Three hours of government or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3253. Criminal Evidence and Procedure. The judiciary in the criminal justice system; structure of American court system; prosecution; right to counsel; pre-trial release; grand juries; adjudication process; types and rules of evidence; sentencing. Prerequisite: Three hours of government or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3303. The American Legislative Process. The legislative branch of government; including both Congress and state legislative bodies; influences on the legislative process. Course offered in alternate spring semesters coinciding with the biennial sessions of the Texas Legislature and using the current session for special class study. Prerequisites: Three hours of government or permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 3393. Law for Women. Impact of gender on legal status; evolution of the current legal environment, with an emphasis on parallels between racial and gender discrimination; substantive law regarding working conditions, compensation, education, the family, reproductive rights, and criminal law; feminist perspectives on legal reforms to improve the professional lives of women and men. Three lecture hours a week. Credit: Three hours.

GOV 3413. Estate Planning. Probating wills; family planning; stocks; buying or selling a home; insurance needs; minimizing taxes; Social Security; consumer purchasing; bank accounts; urgent need for a will. Three lecture hours a week. Prerequisite: Three hours of government or permission of instructor. Credit: Three hours.

GOV 3513. Japanese Culture and Politics. An introduction to modern Japan with particular emphasis on Japanese politics. Topics include Japanese language and literature, geography, religion, the arts, social dynamics, education, economics, history, constitutionalism, government institutions, political parties, elections, and foreign policy. The Japanese way of politics is related to larger forces in Japanese culture. Three lecture hours a week. Credit: Three hours.

GOV 3723. Modern Political Thought. A study of Western political theory from the Renaissance to the present with particular emphasis on the development of contemporary ideologies: liberalism, socialism, nationalism, Marxism, fascism. Prerequisites: Three hours of government or permission of instructor or head of department. Three lecture hours a week. Credit: Three hours.

GOV 4013. Alternative Dispute Resolution. Introduction to alternatives to litigation to resolve disputes. Consideration of traditional negotiation, mediation, arbitration, moderated settlement conferences, and minitrials. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

GOV 4073. Constitutional Law: Governmental Structure. The development of the American Constitution through judicial interpretation by the Supreme Court, including cases involving commerce, taxation, divisions of powers, and separation of powers. Prerequisites: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4083. Constitutional Law: Individual Rights. Judicial cases, especially those involving the Bill of Rights, the Fourteenth and Fifteenth Amendments. Prerequisites: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4093. Constitutional Rights and Criminal Justice. Constitutional rights as interpreted by courts and application by criminal justice system. Analysis of decisions and empirical research assessing the extent to which decisions are consistently applied by the criminal justice personnel. Three lecture hours a week. Credit: Three hours.

GOV 4113. Public Administration. Introduction to the study of bureaucracies. Examines such theoretical, political, and practical issues as decision-making, budgeting, staffing, and organizational structure. Considers the influence of bureaucracy on policy formation and implementation. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4133. Women in Leadership. An introduction to the principles and practices of leadership, with emphasis on women in exercising leadership. Stresses political leadership, but includes business and community leadership as well. Prerequisite: Sophomore standing or above. Three lecture hours a week. Credit: Three hours.

GOV 4203. Civil Trial Practice and Litigation. Texas and federal laws regarding preparation and trial of civil actions; procedures for recovering compensation from automobile accidents, miscellaneous torts, and breach of contract. Follow a civil suit through the judicial system from the initial client interview through trial and appeal. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4433. Family Law. Study of the legal aspects of marriage/other relationships; duties and liabilities of husband/wife/children; adoption; illegitimacy; annulment; separation; divorce, delinquent children; field trip(s). Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4453. Real Estate Law. Legal principles governing real estate transactions, with particular attention to sales contracts, deeds, mortgages, title insurance, and Texas community property and homestead laws. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4503. Criminal Justice Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. Prerequisites: Twelve hours of government, including six hours advanced, and approval of internship director. May be repeated. Eight practicum hours a week. Credit: Three hours.

GOV 4506. Criminal Justice Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. Prerequisites: Twelve hours of government, including six hours advanced, and approval of internship director. May be repeated. Sixteen practicum hours a week. Credit: Six hours.

GOV 4523. American Foreign Policy. Constitutional framework and actors in foreign policy decision-making; roles of the President and Congress; the art of diplomacy. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4533. International Relations. The interaction of countries and nonstate actors in the area of diplomacy, international law, international economics, international organization, and war. A study of the general pattern of political, economic, social, geographical, and technological relationships in world affairs. Prerequisites: Six hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4553. Modern Nationalism. Modern nationalism; patriotism and nationality; the impact of nationalism on current world events. How nationalism can led to terrorism and civil warfare. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4603. Legal Studies Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. Prerequisites: Nine hours of legal studies courses and approval of internship director. Eighteen practicum hours a week. Credit: Three hours.

GOV 4606. Legal Studies Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. May be repeated. Prerequisites: Nine hours of legal studies courses and approval of internship director. Sixteen practicum hours a week. Credit: Six hours.

GOV 4613. Comparative Government: Western Europe. Constitutional structures, methods, philosophies, and policies of selected governments in the Western world. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4633. Comparative Government: Africa and Asia. Constitutional structures, methods, philosophies, and policies of selected Asian and African governments. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4703. Public Affairs Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. Prerequisites: Twelve hours of government, including six hours advanced, and approval of internship director. Eight practicum hours a week. Credit: Three hours.

GOV 4706. Public Affairs Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. Prerequisites: Twelve hours of government, including six hours advanced, and approval of internship director. Sixteen practicum hours a week. Credit: Six hours.

GOV 4803. Government Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. Prerequisites: Twelve hours of government, including six hours of advanced government, and consent of internship coordinator. May be repeated. Eight practicum hours a week. Credit: Three hours.

GOV 4806. Government Internship. Integrates practical experience with the student's academic program through supervised work in a related professional environment. Prerequisites: Twelve hours of government, including six hours advanced, and approval of internship director. Sisteen practicum hours a week. Credit: Six hours.

GOV 4813. Seminar in Public Policy. Analysis of the formation, implementation, and impact of public policy in selected areas of current interest. May be repeated. Prerequisite: Three hours of government. Three seminar hours a week. Credit: Three hours.

GOV 4901. Special Topics. Organized course with each section's title and content varying with specific subject matter and topic offered. Prerequisite: Three hours of government. One lecture hour a week. Credit: One hour.

GOV 4903. Special Topics. Organized course with each section's title and content varying with specific subject matter and topic offered. Prerequisite: Three hours of government. Three lecture hours a week. Credit: Three hours.

GOV 4911. Independent Study. Individual study of selected topics in government. Prerequisites: Three hours of government and consent of instructor. Credit: One hour.

GOV 4913. Independent Study. Individual study of selected topics in government. Prerequisites: Three hours of government and consent of instructor. Credit: Three hours.

GOV 4933. Senior Seminar. Capstone course for all government majors; focus on extensive readings and portfolio development including both verbal and written presentations of research findings. Prerequisite: Fifteen hours of advanced government or consent of instructor. Three seminar hours a week. Credit: Three hours.

GOV 4953. Cooperative Education. Nine practicum hours a week. Credit: Three hours.

GOV 4956. Cooperative Education. Eighteen practicum hours a week. Credit: Six hours.

History Courses

HIST 1013. History of the United States, 1492-1865. (TCCN HIST 1301) Political, economic, social, and cultural development through the Civil War. Three lecture hours a week. Credit: Three hours.

HIST 1023. History of the United States, 1865 to the Present. (TCCN HIST 1302) Political, economic, social, and cultural development since the Civil War; emphasis on foreign affairs. Three lecture hours a week. Credit: Three hours.

HIST 2013. Survey of World Civilization to 1715. (TCCN HIST 2321) A survey of ancient and medieval culture and history and the beginning of the modern era. Topics include the broad spectrum of human activity, the politics, wars, industry, economics, culture, intellectual thought, science, artistic creations, and the interrelationships both with other cultures and with a world environment. Three lecture hours a week. Credit: Three hours.

HIST 2023. Survey of World Civilization Since 1715. (TCCN HIST 2322) A survey of modern culture and history as related to recent developments. Topics include the broad advances in human society, government, science, literature, philosophy, war and peace, industry, culture, intellectual thought, artistic creations, and the growth of first national and then world economic factors. Emphasis on the myriad of interactions within world civilizations. Three lecture hours a week. Credit: Three hours.

HIST 3023. American Frontier. Survey of westward expansion between European colonization and 1900. Review of recognizable groups such as trappers, miners, Amerindians, and of famous and infamous individuals. Evolution of attitudes about the frontier and its influence on the national character. Three lecture hours a week. Credit: Three hours.

HIST 3093. Women in Early America. Lives and experiences of Native American, African-American, and European-American women from 1600 to 1830 through the lenses of race, sexuality, identity, labor, spirituality, and legal status. Three seminar hours a week. Credit: Three hours.

HIST 3103. Colonial America. In-depth study of the period of national development between European colonization and 1790. Emphasis is upon the cultural, religious, economic, and political aspects of the period and upon persons and groups associated with change and continuity in colonial America. Three lecture hours a week. Credit: Three hours.

HIST 3203. American Environmental History, Culture, and Law. Examination of the transformation of the American environmental landscape; cultural adaptation to this transformation, and public attitudes toward the sustainable use of natural resources. Three lecture hours a week. Credit: Three hours.

HIST 3213. History of Law and Justice. Historical examination of the origins of law and justice in western civilization beginning with the ancient cultures of Greece and Rome, medieval Europe, and the development of English common law with its particular attention to the influence of the English system of justice upon modern America. Prerequisite: Three hours of history or permission of instructor. Three lecture hours a week. Credit: Three hours.

HIST 3223. Social Studies. Historical review of key figures and events, civic responsibilities, and the relationship of government economics and geography in Texas and the United States. Prerequisites: Minimum 2.5 GPA and 45 hours of course work. Three lecture hours a week. Credit: Three hours.

HIST 3433. Historical Britain. (TCCN HIST 2313) Examination and analysis of British history, culture, and governmental institutions at various historical periods of their development. May be repeated for additional credit when content varies. Three lecture hours a week. Credit: Three hours.

HIST 3713. The History of Texas. (TCCN HIST 2301) Spanish beginnings; Mexican years; revolution and the republic: statehood, Civil War, and Reconstruction; reform years; depression and war; economic, political, and social developments today. Prerequisite: Three hours of history. Three lecture hours a week. Credit: Three hours.

HIST 3763. History of Colonial Latin America. From colonial times to the present; the origins of a multiracial society; the institutions of empire; independence; national consolidation; problems of modernization and the movements for social revolution. Special emphasis on Argentina, Brazil, Chile, and Mexico. Prerequisite: Six hours of history or consent of instructor. Three lecture hours a week. Credit: Three hours.

HIST 3773. History of Modern Latin America. From the nineteenth through the twentieth centuries, including topics of: economic dependency, revolution, popular social movements, U.S.-Latin American relations during the Cold War; issues of race, gender, ethnicity, and class. Emphasis on Mexico, Cuba, Brazil, Argentina, and Central America. Prerequisite: HIST 3763. Three lecture hours a week. Credit: Three hours.

HIST 4003. Creating the Commonwealth. History, culture, and politics of major Commonwealth nations including Australia and Canada from English colonization through the creation of the modern Commonwealth of nations. Three lecture hours a week. Credit: Three hours.

HIST 4103. Renaissance and Reformations. Cross-cultural study of European culture and society from 1350 to 1600; Italian, French, Dutch, Spanish, English, and German artistic achievements, social and political development, and religious reformations compared and contrasted. Three seminar hours a week. Credit: Three hours.

HIST 4113. Civil War and Reconstruction. Intense reading and discussion of the Civil War and Reconstruction with a critical eye on various historian's opinions and viewpoints. In-depth look at the Civil War and Reconstruction and how to critically examine and compare historical writings. Three lecture hours a week. Credit: Three hours.

HIST 4123. The Progressives. Current issues and preceding events that led up to the Progressive Era; philosophies of the Progressives in relation to the environment, war, race, and diversity; impact of the Progressive movement on history our world today. Three lecture hours a week. Credit: Three hours.

HIST 4133. Between the Wars: U.S. in the 1920'S and 1930's. Detailed study of the two decades of American life between the Great War and World War I, including an overview of the major political, social, economic and cultural themes of the 1920's and 1930's, emphasizing the long term causes and effects of significant issues and events during this period. Three lecture hours a week. Credit: Three hours.

HIST 4143. The Gilded Age. In-depth look at the Gilded Age through intense reading and discussion with a critical eye on various historians' opinions and viewpoints. Critical examination of historical writings from the Gilded Age. Three lecture hours a week. Credit: Three hours.

HIST 4233. Global Issues and Trends. A general survey of various nations, regions, and cultures. Emphasis is on the modern period, the historical roots of significant issues, the impact of geography and religion, and the interactions of various ethnic and racial groups. Three lecture hours a week. Credit: Three hours.

HIST 4363. Slavery in the Americas. A broad survey of the many different types of slave systems throughout the Americas and the many different forms of slave resistance. Three lecture hours a week. Credit: Three hours.

HIST 4373. History of Haiti. Development and history of Haiti from its origins as a French colony to the present day including race, slavery, revolution, and nation building. Three lecture hours a week. Credit: Three hours.

HIST 4403. Religion in an Atlantic World 1450-1776. Cross-cultural study of religious ideas and practice in colonial America from the pre-Columbian era through 1776; varied religious experiences of indigenous groups, Spanish, French, English, Dutch, and German colonists, and enslaved African Americans are compared and contrasted. Three lecture hours a week. Credit: Three hours.

HIST 4413. The American Revolution. Social, cultural, economic, and political causes of the American war for independence; the military progress of the war and its impact upon men, women, Loyalists, Patriots, Native-Americans, and African-Americans. Three lecture hours a week. Credit: Three hours.

HIST 4513. Modern Europe. Examination and analysis of modern European history, culture, and governmental institutions at various stages of their development. Topics may include histories of modern Russia, Ireland, the European Union, and others. May be repeated for additional credit when content varies. Three lecture hours a week. Credit: Three hours.

HIST 4553. History of France. The beginning of an early French culture, the Roman conquest, the cultural panorama of medieval France, growth of the French monarchy, the Renaissance, the Age of Louis XIV, the Age of Reason, the French Revolution and Napoleon, modern France, Charles de Gaulle, and contemporary France and French culture in the world today. Prerequisites: Six hours of history. Three lecture hours a week. Credit: Three hours.

HIST 4663. European Cultural Heritage. Survey of the cultural highlights of Western Civilization and the ages which influenced them. The social, political, and religious circumstances and attitudes of people in various periods, and how these affected the great works of literature, art, and music will be examined. Three lecture hours a week. Credit: Three hours.

HIST 4803. History Internship. Integrates practical experience with the student's academic program through supervised work in an appropriate professional environment. May be repeated. Prerequisites: Twelve hours of history, including six hours advanced, and approval of internship director. Eight practicum hours a week. Credit: Three hours.

HIST 4806. History Internship. Integrates practical experience with the student's academic program through supervised work in an appropriate professional environment. May be repeated. Prerequisites: Twelve hours of history, including six hours advanced, and approval of internship director. Sixteen practicum hours a week. Credit: Six hours.

HIST 4843. Senior Seminar. Capstone course for all history majors; focus on extensive readings and portfolio development including both verbal and written presentation of research findings. Prerequisites: Fifteen hours of advanced history or consent of instructor. Three seminar hours a week. Credit: Three hours.

HIST 4883. War and Society. Various wars and their influence on society; topics including the American experience in World War II, World War II from a non-U.S. perspective, and others. May be repeated for additional credit when content varies. Prerequisite: HIST 1023. Three seminar hours a week. Credit: Three hours.

HIST 4901. Special Topics. Organized course with each section's title and content varying with specific subject matter and topic offered. One lecture hour a week. Credit: One hour.

HIST 4903. Special Topics. Organized course with each section's title and content varying with specific subject matter and topic offered. Three lecture hours a week. Credit: Three hours.

HIST 4911. Independent Study. Individual study of selected topics in history. Prerequisites: Six hours of history, junior standing, and consent of instructor. Credit: One hour.

HIST 4913. Independent Study. Individual study of selected topics in history. Prerequisites: Six hours of history, junior standing, and consent of instructor. Credit: Three hours.

Faculty

Professors

HODGES, LYDIA "LYBETH" E., Professor of History. B.S., University of North Texas; M.A., Texas Woman's University; Ph.D., Texas Tech University.

HOYE, TIMOTHY K., Professor of Government. B.A., East Texas State University; M.A., East Texas State University; Ph.D., Duke University.

OLSEN, JONATHAN, Professor of Government; Chair of the Department of History and Government. B.A., University of Texas at Austin; M.A., The University of Kansas; M.A., University of Maryland; Ph.D., University of Maryland.

ROBB, JEFFREY B., Professor of Government. B.A., North Texas State University; M.S., University of North Texas; J.D., University of Texas at Austin.

TRAVIS, PAUL D., Professor of History. B.A., The Wichita State University; M.A., Wichita State University; Ph.D., University of Oklahoma.

Associate Professors

BLOSSER, JACOB M., Associate Professor of History. B.A., Milligan College; M.A., James Madison University; Ph.D., University of South Carolina Columbia.

FANNING, SARA C., Associate Professor of History. B.A., University of Texas, Austin; M.A., National University of Ireland; Ph.D., University of Texas at Austin.

LANDDECK, KATHERINE E., Associate Professor of History. B.A., University of Arkansas; M.A., University of Tennessee, Knoxville; Ph.D., University of Tennessee, Knoxville.

Assistant Professor

HEVRON, PARKER R., Assistant Professor of Government. B.A., Austin College; Ph.D., University of Southern California.

Bachelor of Science in Criminal Justice

The Department of History and Government offers the BS degree with a major in Criminal Justice. The Criminal Justice Program is offered in partnership with the Department of Sociology and Social Work.

For complete information about the major in criminal justice, please see the Criminal Justice Program (p. 76) section of this catalog.

Bachelor of Arts in Government (Politics Emphasis)

Total Semester Credit Hours Required

120 semester credit hours.

Major

30 semester credit hours.

General Description

The Bachelor of Arts degree in government offers a sound basis for proceeding to graduate programs in the field, to law school admission, or to careers in public service. In addition, this degree provides a background for professional preparation in the following fields: library science; teaching at middle school, secondary school, or college level; work with archives, historical associations, museums or national parks; journalism; criminal justice administration; legal assistance; law school; foreign service, non profit, administrative, federal and state civil service.

Government Courses Required (Politics Emphasis):

(The student may choose from two separate emphases. Each requires thirty semester credit hours of government.)

GOV 4073	Constitutional Law: Governmental Structure	3
GOV 3303	The American Legislative Process	3
GOV 4613	Comparative Government: Western Europe	3
or GOV 4633	Comparative Government: Africa and Asia	
or GOV 3513	Japanese Culture and Politics	
GOV 4933	Senior Seminar	3
GOV 3723	Modern Political Thought	3
Select three semester credit hours in advanced American Government from the following:		3
GOV 3053	The American Presidency	
GOV 3063	Women in Politics	
GOV 4113	Public Administration	
Select three semester credit hours in International Relations from the following:		3
GOV 4523	American Foreign Policy	
GOV 4533	International Relations	
GOV 4553	Modern Nationalism	
Plus nine more semester credit hours in government.		9
Total Semester Credit Hours		30

Bachelor of Arts in Government (Politics Emphasis) Program of Study

*Course of study is suggested only. It is recommended to see an advisor for a personalized Program of Study

First Year

Fall		TCCN	Semester Credit Hours
Creative Arts Core			3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO Core			2
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core			3
Elective (GP)			3
Elective			3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
English Literature			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
Social/Behavioral Science			3
Foreign Language			3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Language, Philosophy, and Culture Core			3
Life/Physical Science Core			3
Multicultural Women's Studies CAO Core			3
Foreign Language			3
	Semester Credit Hours		15

Third Year

Fall		TCCN	
GOV 3303	The American Legislative Process		3
GOV 4073	Constitutional Law: Governmental Structure		3
Elective			3
Elective/Minor (upper level)			3
Foreign Language			3
	Semester Credit Hours		15
Spring		**TCCN**	
Government/Political Science Core (upper level)			3
Government/Political Science Core (upper level)			3
Elective/Minor (upper level)			3
Elective (or minor)			3
Foreign Language			3
	Semester Credit Hours		15

Fourth Year

Fall		TCCN	
Government/Political Science Elective (upper level)			3
Government/Political Science Elective (upper level)			3
Government/Political Science Elective (upper level)			3
Elective (or minor)			3
Elective (or minor)			3
	Semester Credit Hours		15
Spring		**TCCN**	
Government/Political Science (upper level)			3
GOV 4933	Senior Seminar		3
Government/Political Science Elective (upper level)			3
Elective (or minor)			3
Elective (upper level)			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Government (Politics Emphasis)

Total Semester Credit Hours Required

120 semester credit hours.

Major

30 semester credit hours.

General Description

The Bachelor of Science degree in government offers a sound basis for proceeding to graduate programs in the field, to law school admission, or to careers in public service. In addition, this degree provides a background for professional preparation in the following fields: library science, teaching at middle school, secondary school, or college level; work with archives, historical associations, museums or national parks; journalism; criminal justice administration; legal assistance; law school; foreign service, non profit, administrative, federal and state civil service.

Government Courses Required (Politics Emphasis):

(The student may choose from two separate emphases. Each requires thirty semester credit hours of government.)

GOV 3303	The American Legislative Process	3
GOV 4073	Constitutional Law: Governmental Structure	3
GOV 4613	Comparative Government: Western Europe	3
or GOV 4633	Comparative Government: Africa and Asia	
or GOV 3513	Japanese Culture and Politics	
GOV 4933	Senior Seminar	3
GOV 3723	Modern Political Thought	3
Select three semester credit hours in advanced American Government from the following:		3
GOV 3053	The American Presidency	
GOV 3063	Women in Politics	
GOV 4113	Public Administration	
Select three semester credit hours in International Relations from the following:		3
GOV 4523	American Foreign Policy	
GOV 4533	International Relations	
GOV 4553	Modern Nationalism	
Plus nine more semester credit hours in government.		9
Total Semester Credit Hours		30

Bachelor of Science in Government (Politics Emphasis) Program of Study

*Course of study is suggested only. It is recommended to see an advisor for a personalized Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
Creative Arts Core			3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO Core			2
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core			3
Elective (GP)			3
Elective			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
English Literature			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
Social/Behavioral Science Core			3
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Language, Philosophy, and Culture			3
Life/Physical Science Core			3
Multicultural Women's Studies CAO Core			3
Elective			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
GOV 3303	The American Legislative Process		3
GOV 4073	Constitutional Law: Governmental Structure		3
Elective			3
Elective (or minor)			3
Elective (or minor)			3
	Semester Credit Hours		15
Spring		**TCCN**	
Government/Political Science Core (advanced)			3
Government/Political Science Core (advanced)			3
Elective (or minor)			3

Elective (or minor)		3
Elective		3
	Semester Credit Hours	15

Fourth Year

Fall		**TCCN**	
Government/Political Science Core (advanced)			3
Government/Political Science Elective (advanced)			3
Government/Political Science Elective (advanced)			3
Elective (or minor)			3
Elective (advanced)			3
	Semester Credit Hours		15
Spring		**TCCN**	
Government/Political Science (advanced)			3
GOV 4933	Senior Seminar		3
Government/Political Science Elective (advanced)			3
Elective (or minor)			3
Elective (advanced)			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in History

Total Semester Credit Hours Required

120 semester credit hours.

Major

30 semester credit hours.

General Description

The Bachelor of Arts in history offers a sound basis for proceeding to graduate programs in the field, to law school admission, or to careers in public service. In addition, the degree provides a background for professional preparation in the following fields: library science; teaching at middle school, secondary school, or college level; work with archives, historical associations, museums or national parks; journalism; criminal justice administration; legal assistance; law school; foreign service, non profit, administrative, federal and state civil service.

History Courses Required – thirty semester credit hours beyond HIST 1013, HIST 1023:

HIST 2013	Survey of World Civilization to 1715	3
or HIST 2023	Survey of World Civilization Since 1715	
HIST 4843	Senior Seminar	3

Twenty-one elective advanced semester credit hours in history selected from any history courses listed in this catalog, of which 6-9 semester credit hours must be non-U.S. If 2013 and 2023 are both completed, six additional non-U.S. semester credit hours must be completed. If only one of these courses – 2013 or 2023 – is completed, nine additional non-U.S. semester credit hours must be completed.

Bachelor of Arts in History Program of Study

*Course of study is suggested only. It is recommended to see an advisor for a personalized Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
Creative Arts			3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO Core			2
Social/Behavioral Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
CSCI 2433	Microcomputer Applications	BCIS 1301, COSC 1301	3
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core			3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
English Literature (ENG 2__3)			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
Elective (or minor)			3
Foreign Language			3
	Semester Credit Hours		15
Spring		**TCCN**	
HIST 2013 or 2023 (GP)	Survey of World Civilization to 1715	(HIST 2321) or (HIST 2322)	3

GOV 2023	Texas Government	GOVT 2306	3
Lang/Phil/Culture Core			3
Life/Physical Science Core			3
Foreign Language			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
History advanced			3
History advanced			3
Non US History advanced			3
Elective			3
Foreign Language			3
	Semester Credit Hours		15
Spring		**TCCN**	
History advanced			3
History advanced			3
Non US History advanced			3
Elective			3
Foreign Language			3
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
Non US HIST advanced			3
History advanced			3
Elective advanced			3
Elective			3
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
History advanced			3
HIST 4843	Senior Seminar		3
Elective advanced			3
Elective			3
Elective			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in History (4-8 History/Social Studies Certification)

Total Semester Credit Hours Required:

128 semester credit hours.

Bachelor of Arts in History (4-8 History/ Social Studies Certification) Program of Study

*Course of study is suggested only. It is recommended to see an advisor for a personalized Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Mathematics Core			3
Wellness/Mathematics CAO Core			2
Foreign Language			3
Social/Behavioral Science Core			3
	Semester Credit Hours		18
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Language, Philosophy, Culture Core			3
Creative Arts Core			3
Mathematics			3
Foreign Language			3
	Semester Credit Hours		18

Second Year

Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
Mathematics			3
HIST 2013 or 2023 (GP)	Survey of World Civilization to 1715	(HIST 2321) or (HIST 2322)	3
Foreign Language			3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		18
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
EDUC 2003	Schools and Society	EDUC 1301	3

Life/Physical Science Core			3
English Literature			3
Foreign Language			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
HIST 3713	The History of Texas	HIST 2301	3
HIST 4233	Global Issues and Trends		3
HIST Elective (advanced)			3
EDUC 3003	Learning Theory and Development		3
Additional Science			3
READ 3423	Literacy Foundations: 4-8		3
	Semester Credit Hours		18

Spring		**TCCN**	
HIST 4843	Senior Seminar		3
HIST Elective (advanced)			3
SOCI 3273	World Regional Geography	GEOG 1303	3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
READ 3463	Strategic Learning through Text Strategies		3
Additional Science			3
	Semester Credit Hours		17

Fourth Year

Fall		**TCCN**	
HIST elective (advanced)			3
HIST elective (advanced)			3
HIST elective (advanced)			3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
	Semester Credit Hours		18

Spring		**TCCN**	
EDUC 4776	Student Teaching: Grades 4-8 Social Studies		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		128

(GP) courses satisfy global perspectives graduation requirement.

Bachelor Arts in History (7-12 History/Social Studies Certification)

Total Semester Credit Hours Required

120 semester credit hours.

Major

30 semester credit hours.

**Below is a sample course of study. It is strongly suggested that each student see an advisor for their personalized course of study.*

Bachelor of Arts in History (7-12 History/ Social Studies Certification) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
Creative Arts Core			3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO Core			3
Social/Behavioral Science Core			3
	Semester Credit Hours		16

Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core			3
Multicultural Women's Studies CAO Core			3

Language, Philosophy, and Culture Core			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
English Literature			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
EDUC 2003	Schools and Society	EDUC 1301	3
Foreign Language			3
	Semester Credit Hours		15
Spring		**TCCN**	
HIST 2013 or 2023 (GP)	Survey of World Civilization to 1715	(HIST 2321) or (HIST 2322)	3
GOV 2023	Texas Government	GOVT 2306	3
EDUC 3003	Learning Theory and Development		3
Life/Physical Science Core			3
Foreign Language			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
American History (advanced)			3
American History (advanced)			3
Non-US History (advanced)			3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
Foreign Language			3
GOV 3393, 4083, or 4093	Law for Women		3
	Semester Credit Hours		17
Spring		**TCCN**	
American History (advanced)			3
American History (advanced)			3
Non-US History (advanced)			3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
Foreign Language			3
HIST 4843	Senior Seminar		3
	Semester Credit Hours		18

Fourth Year

Fall		**TCCN**	
Non-US History (advanced)			3
American History (advanced)			3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
EDUC 4243	Classroom Environment and Management		3
READ 3013	Literacy and Learning across the Curriculum		3
Elective			3
	Semester Credit Hours		18
Spring		**TCCN**	
EDUC 4096	Student Teaching: History		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in History

Total Semester Credit Hours Required

120 semester credit hours.

Major

30 semester credit hours.

General Description

The Bachelor of Science degree in history offers a sound basis for proceeding to graduate programs in the field, to law school admission, or to careers in public service. In addition, the degree provides a background for professional preparation in the following fields: library science; teaching at middle school, secondary school, or college level; work with archives, historical associations, museums or national parks; journalism; criminal justice administration; legal assistance; law school; foreign service, non profit, administrative, federal and state civil service.

History Courses Required – thirty semester credit hours beyond HIST 1013, HIST 1023:

HIST 2013	Survey of World Civilization to 1715	3
or HIST 2023	Survey of World Civilization Since 1715	
HIST 4843	Senior Seminar	3

Twenty-one elective advanced semester credit hours in history selected from any history courses listed in this catalog, of which 6-9 semester credit hours must be non-U.S. If 2013 and 2023 are both completed, six additional non-U.S. semester credit hours must be completed. If only one of these courses – 2013 or 2023 – is completed, nine additional non-U.S. semester credit hours must be completed.

Bachelor of Science in History Program of Study

*Course of study is suggested only. It is recommended to see an advisor for a personalized Program of Study.

First Year

Fall		TCCN	Semester Credit Hours
Creative Arts Core			3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO Core			2
Social/Behavioral Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core			3
Multicultural Women's Studies CAO Core			3
Elective			3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
English Literature			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
Elective (or minor)			3
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
HIST 2013 or 2023 (GP)	Survey of World Civilization to 1715	(HIST 2321) or (HIST 2322)	3
GOV 2023	Texas Government	GOVT 2306	3
Language, Philosophy, and Culture Core			3
Life/Physical Science Core			3
Elective			3
	Semester Credit Hours		15

Third Year

Fall		TCCN	
History (advanced)			3
History (advanced)			3
Non-US History (advanced)			3
Elective (advanced)			3
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
History (advanced)			3
History (advanced)			3
Non-US History (advanced)			3
Elective			3
Elective			3
	Semester Credit Hours		15

Fourth Year

Fall		TCCN	
Non-US History (advanced)			3
History (advanced)			3
Elective (advanced)			3
Elective			3
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
History (advanced)			3
HIST 4843	Senior Seminar		3
Elective			3
Elective			3
Elective			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in History (4-8 History/Social Studies Certification)

Total Semester Credit Hours Required

120 semester credit hours.

Bachelor of Science in History (4-8 History/Social Studies Certification) Program of Study

*Course of study is suggested only. It is recommended to see an advisor for a personalized Program of Study.

First Year

Fall		TCCN	Semester Credit Hours
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Mathematics Core			3
Wellness/Mathematics CAO Core			2
Social/Behavioral Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Language, Philosophy, Culture Core			3
Creative Arts Core			3
Mathematics			3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
Mathematics			3
HIST 2013 or 2023 (GP)	Survey of World Civilization to 1715	(HIST 2321) or (HIST 2322)	3
Multicultural Women's Studies Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
EDUC 2003	Schools and Society	EDUC 1301	3
Life/Physical Science Core			3
English Literature			3
Elective (Required for 4-8 Certification)			4
	Semester Credit Hours		16

Third Year

Fall		TCCN	
HIST 3713	The History of Texas	HIST 2301	3
HIST 4233	Global Issues and Trends		3
HIST Elective (advanced)			3
EDUC 3003	Learning Theory and Development		3
READ 3423	Literacy Foundations: 4-8		3
Additional Science			3
	Semester Credit Hours		18
Spring		**TCCN**	
HIST 4843	Senior Seminar		3
HIST elective (advanced)			3
SOCI 3273	World Regional Geography	GEOG 1303	3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
READ 3463	Strategic Learning through Text Strategies		3
Additional Science			3
	Semester Credit Hours		17

Fourth Year

Fall		TCCN	
HIST elective (advanced)			3
HIST elective (advanced)			3
HIST elective (advanced)			3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
	Semester Credit Hours		18

Spring		TCCN	
EDUC 4776	Student Teaching: Grades 4-8 Social Studies		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in History (7-12 History/Social Studies Certification)

Total Semester Credit Hours Required

120 semester credit hours.

Major

30 semester credit hours.

Bachelor of Science in History (7-12 History/Social Studies Certification) Program of Study

*Course of study is suggested only. It is recommended to see an advisor for a personalized Program of Study.

First Year

Fall		TCCN	Semester Credit Hours
Creative Arts Core			3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO Core			2
Social & Behavioral Science			3
	Semester Credit Hours		15
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core			3
Multicultural Women's Studies CAO Core			3
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
English Literature			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
EDUC 2003	Schools and Society	EDUC 1301	3
HIST 2013 or 2023 (GP)	Survey of World Civilization to 1715	(HIST 2321) or (HIST 2322)	3
SOCI 3273	World Regional Geography	GEOG 1303	3
	Semester Credit Hours		18
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
HIST 3713	The History of Texas	HIST 2301	3
READ 3423	Literacy Foundations: 4-8		3
EDUC 3003	Learning Theory and Development		3
Life/Physical Science Core			3
	Semester Credit Hours		15

Third Year

Fall		TCCN	
American History (advanced)			3
American History (advanced)			3
Non-US History (advanced)			3
GOV 3393, 4083, or 4093	Law for Women		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
Technology Integration			3
HIST 4233	Global Issues and Trends		3
	Semester Credit Hours		20
Spring		**TCCN**	
History (advanced)			3
History (advanced)			3
Non-US History (advanced)			3

EDUC 4113	Design and Implementation of Instruction and Assessment		3
HIST 4843	Senior Seminar		3
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
Non-US History (advanced)			3
History (advanced)			3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
READ 3463	Strategic Learning through Text Strategies		3
EDUC 4243	Classroom Environment and Management		3
Elective			1
	Semester Credit Hours		16
Spring		**TCCN**	
EDUC 4096 or 4366	Student Teaching: History		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in Government (Legal Studies Emphasis)

Total Semester Credit Hours Required

120 semester creidt hours.

Major

30 semester credit hours.

Minor (optional)

18 semester credit hours.

- Students are encouraged to select internship credit as part of the electives.

Bachelor of Arts in Government (Legal Studies Emphasis) Program of Study

*Course of study is suggested only. It is recommended to see an advisor for a personalized Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
Creative Arts Core			3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO Core			2
Social/Behavioral Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core			3
Multicultural Women's Studies CAO Core			3
Elective (GP)			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
English Literature			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
Elective (or minor)			3
Foreign Language			3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Language, Philosophy, and Culture Core			3
Life/Physical Science Core			3
Foreign Language			3
Elective (or minor)			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
GOV 3303	The American Legislative Process		3
GOV 3393	Law for Women		3
Elective			3

Elective (or minor)			3
Foreign Language			3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 4093	Constitutional Rights and Criminal Justice		3
Government/Political Science elective required for major (advanced)			3
Government/Political Science Elective for major (advanced)			3
Elective (or minor)			3
Foreign Language			3
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
GOV 3153	Legal Environment		3
Government/Political Science required for major (advanced)			3
Elective (or minor)			3
Elective (advanced)			3
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 4813	Seminar in Public Policy		3
GOV 4933	Senior Seminar		3
Government/Political Science elective required for major (advanced)			3
Elective (advanced)			3
Elective (or minor)			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Government (Legal Studies Emphasis)

Total Semester Credit Hours Required

120 semester credit hours.

Major

30 semester credit hours.

Minor (optional)

18 semester credit hours.

- Students are encouraged to select internship credit as part of the electives.

Bachelor of Science in Government (Legal Studies Emphasis) Program of Study

*Course of study is suggested only. It is recommended to see an advisor for a personalized Program of Study.

First Year

Fall		**TCCN**	**Semester Credit Hours**
Creative Arts Core			3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO Core			2
Social/Behavioral Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core			3
Multicultural Women's Studies CAO Core			3
Elective (GP)			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
English Literature			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
Elective			3
Elective (or minor)			3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Language, Philosophy, and Culture Core			3

Life/Physical Science Core			3
Elective			3
Elective (or minor)			3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
GOV 3303	The American Legislative Process		3
GOV 3393	Law for Women		3
Elective			3
Elective (or minor)			3
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 4093	Constitutional Rights and Criminal Justice		3
Government/Political Science elective required for major (advanced)			3
Government/Political Science elective for major			3
Elective (or minor)			3
Elective			3
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
GOV 3153	Legal Environment		3
Government/Political Science required for major (advanced)			3
Elective (or minor)			3
Elective (advanced)			3
Elective (advanced)			3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 4813	Seminar in Public Policy		3
GOV 4933	Senior Seminar		3
Government/Political Science elective required for major (advanced)			3
Elective (advanced)			3
Elective (or minor)			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Department of Mathematics and Computer Science

Web Site: http://www.twu.edu/math-computer-science/

Chair: *Don E. Edwards, Professor*
Location: *MCL 302*
Phone: *940-898-2166*
Fax: *940-898-2179*
E-Mail: *mathcs@twu.edu*

Undergraduate Degrees Offered

- B.S. in Computer Science (p. 143)
- B.S. in Computer Science (7-12 Computer Science Certification) (p. 144)
- B.S. in Health Informatics (Clinical Applications Minor) (p. 147)
- B.S. in Health Informatics (Health Studies Minor) (p. 148)
- B.S. in Informatics (Data Science Minor) (p. 150)
- B.S. in Informatics (Community Informatics Minor) (p. 149)
- B.S. in Mathematics (p. 151)
- B.S. in Mathematics (4-8 Mathematics Certification) (p. 153)
- B.S. in Mathematics (7-12 Mathematics Certification) (p. 154)

The Department of Mathematics and Computer Science (http://www.twu.edu/math-computer-science) offers programs leading to the degrees of Bachelor of Science, Master of Science, and Master of Science in Mathematics Teaching.

The baccalaureate programs in mathematics and in computer science are intended to prepare the student for further work in mathematics or computer science at the graduate level, for teaching at the middle and high school levels, for employment as a mathematician or computer scientist, or for employment in a mathematics-related or computer science-related area in industry or government. The baccalaureate programs in Informatics and Health Informatics prepare students for graduate study in Informatics related disciplines or for employment in high demand areas such as data science, business, and healthcare informatics.

Special Requirements

A Mathematics or Computer Science major requires a minor of at least 18 semester credit hours of which a minimum of 6 semester credit hours must be upper division. Students may choose a minor from any offered at the university. For students seeking teacher certification, the required education courses will be taken in lieu of a minor. Informatics majors will choose a minor in either Data Science, or Community Informatics. Health Informatics majors will choose a minor in either Clinical Applications or Health Studies.

Only courses in which a grade of C or better is received may be counted as part of a mathematics, computer science major, or informatics major or minor.

Informatics

The B.S. programs in Informatics and Health Informatics are new degree programs as of fall 2015. These programs provide students with a flexible, adaptable, interdisciplinary, and inter-professional approach to the study of Informatics and Health Informatics in a hybrid learning environment. Academic components, in addition to Mathematics and Computer Science, that are actively involved in delivery of the programs include Nursing, Health Studies, and Information Studies.

Teacher Certification

The department offers teacher certification in Mathematics at both the 4-8 and 7-12 levels and in Computer Science (7-12). Students should contact the chair of Mathematics and Computer Science for details or check the department web pages for more information.

Engineering – A Special Opportunity for TWU Students

In collaboration with the University of North Texas (UNT), TWU provides a dual degree option enabling students to attend the two universities simultaneously and graduate with a B.S. in mathematics degree from TWU and a B.S. in engineering degree (electrical, mechanical and energy, biomedical, or materials science) from UNT. Scholarships are available for qualified applicants.

For information about these engineering options, contact the department or visit our website (http://www.twu.edu/math-computer-science).

Graduate Courses

Please refer to the Graduate Catalog (http://catalog.twu.edu/graduate) for information regarding graduate courses.

Admissions

Please see Admission (p. 18) section of this catalog. The same standards for admission to the University apply to the Department of Mathematics and Computer Science.

Minors

The department offers minors in Mathematics, Computer Programming/Software Engineering, Computer Applications, and Data Science. Course selections are tailored to the student's needs in consultation with departmental advisors.

Mathematics Minor

MATH 2014	Calculus I	4
Select 14 additional semester credit hours of mathematics courses, at least 6 of which must be advanced.		14
Total Semester Credit Hours		18

A departmental advisor must approve the minor program.

Computer Science Minor

Students interested in a minor in Computer Science may choose from Computer Programming/Software Engineering, or Computer Applications or Information Systems. For more detailed information regarding these minors, please refer to the department web page. A departmental advisor must approve the minor program.

Data Science Minor

The minor in Data Science, concerned with the extraction of knowledge from data, employs techniques and theories drawn from many fields within the broad areas of mathematics, statistics, information theory and information technology. The minor requires 18 hours of coursework approved by a department advisor.

Computer Science Courses

CSCI 1403. A First Course in Computing. (TCCN COSC 1300) Encompasses the various aspects of "computer literacy" including computer systems - their structure, elementary programming, languages, and applications within various disciplines; the many facets of the Internet and the World Wide Web; and consideration of what has led to the current state of technology and implications for the future. Cannot be counted toward a major in computer science. Three lecture hours a week. Credit: Three hours.

CSCI 1413. Programming for Windows. (TCCN BCIS 1316, BCIS 1416) An introduction to the use of a visual language for Windows programming, the design strategy, and creation of applications. Focus is on solving commonly encountered problems. Introduces the Integrated Development Environment, interfaces, controls, forms debugging, database access, object-oriented programming techniques, workspace documentation, fundamentals of coding, manipulating data and structures, validating entries, event procedures, running and testing projects. Prerequisite: CSCI 1403 or CSCI 2433; or equivalent. Three lecture hours a week. Credit: Three hours.

CSCI 1421. Programming Fundamentals I - Laboratory. Co-requisite: CSCI 1423. Two laboratory hours a week. Credit: One hour.

CSCI 1423. Programming Fundamentals I. (TCCN COSC 1336, COSC 1436) Introduction to the fundamental concepts of structured and Object Oriented programming. Topics include software development methodology, data types, control structures, functions, arrays, files, classes, program testing and debugging techniques. Prerequisites: CSCI 1403 and CSCI 2433; or equivalents. Co-requisite: CSCI 1421. Three lecture hours a week. Credit: Three hours.

CSCI 1513. Introduction to Informatics. Components of informatics: people, information, and technology. Topics include user-centered data collection and information generation, impact of technologies in people's lives, security and ethics issues, and interprofessional applications such as healthcare, nursing, and business informatics. Prerequisites: Computer literacy and experience with data analysis applications such as spreadsheet software. Three lecture hours a week. Credit: Three hours.

CSCI 2433. Microcomputer Applications. (TCCN BCIS 1301, COSC 1301) Introduction to operating systems and software tools of a microcomputer. Learning how to use various software packages, such as: word processing, presentation software, spreadsheets, graphics, and databases. Three lecture hours a week. Credit: Three hours.

CSCI 2443. Computer Organization and Machine Language. (TCCN COSC 1319, COSC 2325) Basic theory of computer organization. Reviews of the mechanism of the machine cycle, digital representation of data and instructions. Introduction to assembly (machine) language, assemblers, loaders, macros, subroutines, and linking. Prerequisite: CSCI 1423. Three lecture hours a week. Credit: Three hours.

CSCI 2493. Programming Fundamentals II. (TCCN COSC 1337, COSC 1437) Advanced topics include object oriented problem solving, software design, methodology and development; introduction to basic principles of algorithm analysis and design, searching and sorting techniques, recursion. GUI design and development, data structures and software engineering. Prerequisites: CSCI 1421 and CSCI 1423; or equivalents. Three lecture hours a week. Credit: Three hours.

CSCI 2513. Information Security and Ethics. Security and ethical issues important to informatics professionals. Emphasizes ethical decision-making, legal and social responsibility, and security threats and countermeasures. Topics include information security, ethics, limits, and effects of computing in informatics fields. Prerequisite: Computer literacy. Three lecture hours a week. Credit: Three hours.

CSCI 3002. Advanced Computing Technology. Advanced applications for students preparing to enter careers in training or education that utilize computer-based technologies. Includes integration of software packages in a project-oriented, real-world environment. Introduction to Web-based client/server systems, databases, distributed computing, application development with object-based programming, mark-up languages such as HTML, and scripting languages. Creation of graphical, animated, multi-media-based, audio-intensive, database-intensive, network-based products. Prerequisites: CSCI 1403 and CSCI 2433; or equivalents. One lecture and two laboratory hours a week. Credit: Two hours.

CSCI 3013. Applied Computational Thinking. Application and programming of software to engage computational thinking approaches to scientific processes: understanding what can be computed and its use to solve, model, analyze, and visualize problems scientifically. Explore a broad array of programming and software tools to create and modify models. Prerequisites: CSCI 1403 or equivalent, and MATH 2014. Three lecture hours a week. Credit: Three hours.

CSCI 3053. Data Structures. Introduction to the representation of information; data objects, classes, and structures; string processing; searching and sorting; stacks and queues; hash coding; lists, trees, and manipulation of data structures. Prerequisites: six hours in one high level programming language. Three lecture hours a week. Credit: Three hours.

CSCI 3103. Applied Computer Graphics. Evaluation and use of 2D and 3D graphics software for presentations and visualization; study of computer animation and programming techniques for use in Web-based applications and in computer games; analysis of file structures used for computer graphics images and methods of acquiring and manipulating graphic images. Prerequisites: CSCI 1403 and CSCI 2433, or equivalents. Three lecture hours a week. Credit: Three hours.

CSCI 3113. Fundamentals of SAS Programming. SAS and SAS programming. Focuses on the use of Base SAS and internal procedures to generate queries and reports, to access local data sources, to create user-defined data formats, to generate descriptive statistics and tabular reports. Reviews elementary programming techniques to solve problems related to data analysis, list reports, t-test, ANOVA, regression analysis, data clustering, and data mining. Prerequisite: MATH 1713 or equivalent. Three lecture hours a week. Credit: Three hours.

CSCI 3333. Fundamentals of Software Testing. Concepts and techniques for testing, modifying and maintaining computer software. Reporting and analyzing software errors, test case design, testing tools, testing planning, and test documentation. Prerequisite: CSCI 2493 or equivalent. Three lecture hours a week. Credit: Three hours.

CSCI 3413. Software Engineering. Modeling and simulation of systems in organizations, systems flow charting, data dictionaries, and software engineering concepts. Prerequisite: CSCI 3053. Three lecture hours a week. Credit: Three hours.

CSCI 3423. Data Base Management. Organization and retrieval techniques for computer based information systems, techniques of design, implementation, and utilization of data base management systems. Prerequisites: CSCI 1413 and CSCI 2433; or permission of instructor. Three lecture hours a week. Credit: Thre hours.

CSCI 3441. Digital Logic and Computer Architecture - Laboratory. Co-requisite: CSCI 3443. Two laboratory hours a week. Credit: One hour.

CSCI 3443. Digital Logic and Computer Architecture. An introduction to the concepts of digital logic, number systems, and codes. Digital circuit design, combinatorial logic design, decoder, multiplexers, adders, sequential design of flip-flops, latches, counters, and shift registers. Elements of CPU arithmetic, architecture, and instruction sets provide the basic concepts associated with computer architecture. Prerequisite: CSCI 2443. Co-requisite: CSCI 3441. Three lecture hours a week. Credit: Three hours.

CSCI 3513. Information Systems Project Management. Technical and behavioral aspects of information systems project management. Topics include the knowledge areas, standards, processes, and professional responsibility as established by the Project Management Institute (PMI), and their application in managing informatics projects. Prerequisite: CSCI 1513 or CSCI 1423, or equivalent. Three lecture hours a week. Credit: Three hours.

CSCI 3613. Introduction to Algorithms. Techniques for design of efficient algorithms and their performance. Design methodologies include sorting, graph algorithms, dynamic programming, searching, pattern matching, set manipulations, matrices, and trees. Prerequisite: CSCI 3053 or permission of instructor. Three lecture hours a week. Credit: Three hours.

CSCI 3703. Interface Design and Development. Design, development, and evaluation of computer/technical device user interfaces in their various forms. Usability, accessibility, efficiency, transferability, and maintainability. Theory, practice, and discipline-grounded applications. Prerequisite: CSCI 2493 or equivalent. Three lecture hours a week. Credit: Three hours.

CSCI 3803. Web Site Development. Introduction to the design and development of Web sites with markup languages (XHTML [eXtensible HyperText Markup Language]), Cascading Style Sheet (CSS) language and scripting languages; creation of Web sites with simple text editor and Web authoring software; site architecture, screen and page layout, site navigation, and color templates. Prerequisite: CSCI 2433 or equivalent. Three lecture hours a week. Credit: Three hours.

CSCI 4303. Advanced Modeling and Visualization. Explores techniques and algorithms used in the modeling and visualization process. Evaluate the effectiveness of advanced features of spreadsheet, graphics, and statistics packages in processing large volumes of data. VRML and other modeling languages are introduced. Prerequisites: CSCI 1413 and CSCI 2433, or equivalents, and advanced standing. Three lecture hours a week. Credit: Three hours.

CSCI 4311. Seminar in Computer Science. Capstone course. Compilation of a professional portfolio, completion of a multifaceted project on a current issue in or application of computer science, development of skills in defining problems and opportunities, and generation of strategies and solutions for those problems. Requires a written component, an oral presentation of project, and an exit exam. Prerequisite: 24 hours of course work in computer science or permission of instructor. One seminar hour a week. Credit: One hour.

CSCI 4313. Networking and Data Communication. Introduction to hardware, software design, and protocols used in networking and data communication. Depending on emphasis, topics will be selected from architectures, OSI Reference Models, transmission media, software design, LANs, performance modeling, and other related subjects. Prerequisite: 15 hours of computer science. Three lecture hours a week. Credit: Three hours.

CSCI 4523. Advanced Data Design. Advanced relational data base design and implementation, including reporting, picture objects, macros, and programming. Emphasis on logical organization of data and table design. Discussion of advanced issues important in the development and design in client server, distributed, object oriented data bases, and security. Prerequisite: CSCI 3423. Three lecture hours a week. Credit: Three hours.

CSCI 4533. Trends and Issues in Computer Science. Focuses on contemporary issues in computer science by addressing the current designs in both software and hardware. Topics of specialized nature such as parallel algorithms, parallel architecture, computer performance, network security, social impact, history, and the like. May be repeated for credit. Three lecture hours a week. Credit: Three hours.

CSCI 4623. Big Data and High Performance Computing. Big data, the challenges its analysis presents, the role of high performance computing in big data analytics, and the tools and techniques used in big data scenarios, (e.g. statistical software, NoSQL, MapReduce and Hadoop). Exploration of case studies in varied application domains. Prerequisites: CSCI 3423 and statistical software knowledge. Three lecture hours a week. Credit: Three hours.

CSCI 4723. Machine Learning. Theories and algorithms of machine learning and artificial intelligence, with emphasis on how they are used to solve real world problems from diverse application areas. Searching, knowledge representation and reasoning, machine learning algorithms, and rule-based systems. Typical approaches including expert systems, neural networks, evolutionary computation (genetic algorithms), two-player game-tree search, hill climbing, and multi-agent systems. Prerequisite: CSCI 3053 or CSCI 4823. Three lecture hours a week. Credit: Three hours.

CSCI 4803. Programming for the Web. Creation and development of Web sites with dynamic content, including multimedia, forms, adaptive page layout, navigation, and content; application of scripting and programming languages, such as JavaScript, XML, and Perl to generate dynamic content; application of structured and Object Oriented programming principles, design, implementation, testing, and evaluation techniques. Prerequisites: CSCI 3803 or equivalent. Three lecture hours a week. Credit: Three hours.

CSCI 4823. Principles of Data Mining. Methodologies, technologies, mathematics, and algorithms of data mining; nontrivial extraction of implicit, previously unknown, and potentially useful information from data; analysis of algorithms which merge knowledge from statistics, machine learning database, and computer science; and application to real data sets. Prerequisites: MATH 1703 and six hours of programming. Three lecture hours a week. Credit: Three hours.

CSCI 4903. Special Topics. Variable content in computer science . Three lecture hours a week. Credit: Three hours.

CSCI 4911. Independent Study. Individual study in computer science. Credit: One hour.

CSCI 4913. Independent Study. Individual study in computer science. Credit: Three hours.

CSCI 4923. Capstone in Interprofessional Informatics. Culminating organization and/or community-based interdisciplinary/ interprofessional project supported through informatics and technology and applied to a specific domain to demonstrate knowledge and skills acquired in the informatics or health informatics program. Prerequisite: Completion of all but the last 24 hours (SCHs) of the program. Three seminar hours a week. Credit: Three hours.

CSCI 4951. Cooperative Education. Credit: One hour.

CSCI 4953. Cooperative Education. Credit: Three hours.

CSCI 4956. Cooperative Education. Credit: Six hours.

Mathematics Courses

MATH 1013. Financial and Quantitative Literacy. (TCCN MATH 1332) Develops analytic reasoning and the ability to solve quantitative problems. Topics covered chosen from logic and problem solving, quantitative information, financial management, probability and statistics, and other applications of mathematics. Three lecture hours a week. Credit: Three hours.

MATH 1023. Introduction to Mathematics. (TCCN MATH 1333) Topics from algebra, geometry, and mathematical modeling. Prerequisite: Satisfactory score on Mathematics Placement Test. Three lecture hours a week. Credit: Three hours.

MATH 1113. Fundamentals of Algebra. May not be used to satisfy any mathematics requirement and hours earned will not count toward any graduation requirement. May not be used for credit on any degree. Basic algebraic operations, linear equations and inequalities, polynomials, rational expressions, factoring, exponents, radicals, and quadratic equations. Prerequisite: Satisfactory score on Mathematics Placement Test. Three lecture hours a week. Credit: Three hours.

MATH 1123. Transition to College Mathematics. May not be used to satisfy any mathematics requirement and hours earned will not count toward any graduation requirement. May not be used for credit on any degree. Review or introduce operations involving rational numbers and decimals, exponents, linear equations in one and two variables, graphing, polynomial arithmetic and factoring, quadratic equations, linear inequalities in one and two variables, rational expressions, measurement geometry. Prerequisite: Satisfactory score on Mathematics Placement Test. Three lecture hours a week. Credit: Three hours.

MATH 1303. Elementary Analysis I. (TCCN MATH 1314, MATH 1414) College algebra with some attention to rigor; elements of set theory; exponential and logarithmic functions. Prerequisite: Satisfactory score on Mathematics Placement Test. Three lecture hours a week. Credit: Three hours.

MATH 1313. Elementary Analysis II. (TCCN MATH 1316) Algebraic, exponential, logarithmic, and trigonometric functions; an introduction to matrix algebra; complex numbers, sequences, the binomial theorem. Prerequisite: MATH 1303 or equivalent. Three lecture hours a week. Credit: Three hours.

MATH 1323. Elementary Analysis III. (TCCN MATH 1348) Develops an understanding of topics needed before calculus. Topics include an introduction to vectors, trigonometric form of a complex number, matrices, sequences and series, probability, conics, parametric equations, and polar equations. Prerequisite: MATH 1313 or equivalent. Three lecture hours a week. Credit: Three hours.

MATH 1523. Mathematics Concepts I. Selected topics for EC - 2 grades from Real Number Systems; fundamental operations of mathematics, algebraic thinking, geometry, measurement, data analysis, statistics, and personal financial literacy. Satisfies the mathematics requirement only for those seeking EC - 6 certification. Prerequisite: MATH 1013, MATH 1023, MATH 1303, MATH 1313, MATH 1703, MATH 1713, or MATH 2014. Three lecture hours a week. Credit: Three hours.

MATH 1533. Mathematics Concepts II. (TCCN MATH 1350) Selected topics from Real Number Systems; fundamental operations of mathematics, algebraic thinking, geometry, measurement, data analysis, and personal financial literacy for Grades 3-5 . Satisfies the mathematics requirement only for those seeking EC - 6 and 4-8 certification. Prerequisite: MATH 1013, MATH 1023, MATH 1303, MATH 1313, MATH 1703, MATH 1713, or MATH 2014. Three lecture hours a week. Credit: Three hours.

MATH 1543. Mathematics Concepts III. (TCCN MATH 1351) Selected topics for grades 6-8 from real number systems, fundamental operations of mathematics, algebraic thinking, geometry, measurement, data analysis, statistics, and personal financial literacy. Satisfies the mathematics requirement only for those seeking EC-6 and 4-8 certification. Prerequisite: MATH 1013, MATH 1023, MATH 1303, MATH 1313, MATH 1703, MATH 1713, or MATH 2014. Three lecture hours a week. Credit: Three hours.

MATH 1703. Elementary Statistics I. (TCCN MATH 1342, MATH 1442) Frequency distributions; graphical representation, measures of central tendency, and dispersion; normal curve; hypothesis testing confidence intervals. Prerequisite: Satisfactory score on Mathematics Placement Test. Three lecture hours a week. Credit: Three hours.

MATH 1713. Elementary Statistics II. Hypothesis testing, confidence intervals, nonparametric statistics, regression and correlation, time series, experimental design. Prerequisite: MATH 1703. Three lecture hours a week. Credit: Three hours.

MATH 2014. Calculus I. (TCCN MATH 2413, MATH 2313) Analytic geometry; limits and continuity; differentiation of algebraic and transcendental functions; antiderivatives; definite integrals. Prerequisites: MATH 1303 and MATH 1313, or equivalent. Four lecture hours a week. Credit: Four hours.

MATH 2024. Calculus II. (TCCN MATH 2314, MATH 2414) Differential equations; formal integration; applications of integration; improper integrals; infinite series; parametric functions. Prerequisite: MATH 2014. Four lecture hours a week. Credit: Four hours.

MATH 2053. Women and Minorities in Engineering, Mathematics, and Science. Examines reasons why women and minorities are traditionally underrepresented in the areas of engineering, mathematics, and science and includes strategies for increasing their representation. Introduction to problem-solving strategies, useful for any discipline, which emphasize solutions incorporating both current and emerging technologies. Prerequisite: Three hours of core math. Three lecture hours a week. Credit: Three hours.

MATH 2203. Business Analysis I. (TCCN MATH 1324) Algebraic functions, logarithmic functions, exponential functions, matrices and linear systems, and linear programming. Prerequisite: Satisfactory score on Mathematics Placement Test. Three lecture hours a week. Credit: Three hours.

MATH 3003. A Survey of Geometry. Historical origins and elements of modern geometry. A preview of elementary transformations and dissection theory, projective geometry, and Euclidean and non-Euclidean geometry. Prerequisite: MATH 2014. Three lecture hours a week. Credit: Three hours.

MATH 3013. Discrete Mathematics. Sets, functions, Boolean algebra, logic, number theory and representations, graph theory, algorithms, and computability. Prerequisite: MATH 2014 or permission of department. Three lecture hours a week. Credit: Three hours.

MATH 3043. Symbolic Logic. Truth tables, symbolization of statements and relations; formal deductive proofs of validity; rules of conditional and indirect proofs; deductive systems. Prerequisite: MATH 2014 or permission of instructor. Three lecture hours a week. Credit: Three hours.

MATH 3053. Abstract Algebra. Introduction to sets, relations, mappings, rings, integral domains, fields, groups. Prerequisites: MATH 3013 and MATH 3073, or permission of the instructor. Three lecture hours a week. Credit: Three hours.

MATH 3063. Linear Algebra. Linear equations and matrices; vector spaces; linear mappings; determinants. Prerequisite: MATH 2014 or permission of instructor. Three lecture hours a week. Credit: Three hours.

MATH 3073. Matrix Methods. Matrix operations, determinants, inverse of a matrix, solution of linear systems, eigenvalues and eigenvectors, matrix calculus. Prerequisite: MATH 2014 or permission of instructor. Three lecture hours a week. Credit: Three hours.

MATH 3083. Elementary Number Theory. Diophantine equations; congruences; divisibility properties of integers; prime numbers and factorization theorems; multiplicative functions. Prerequisite: MATH 2014 or permission of instructor. Three lecture hours a week. Credit: Three hours.

MATH 3104. Calculus III. Solid analytic geometry; vectors in space; functions of several variables; partial derivatives; multiple integrals; applications. Prerequisite: MATH 2024. Four lecture hours a week. Credit: Four hours.

MATH 3123. Differential Equations. Solutions of differential equations of the first order and applications; linear differential equations with applications; solution by power series and numerical methods; systems of differential equations; introduction to partial differential equations. Prerequisite: MATH 2024. Three lecture hours a week. Credit: Three hours.

MATH 4003. Mathematical Concepts in the Educational Setting. Problem solving, reasoning, sets, geometry, algebra, trigonometry, matrices, statistics and probability, sequences and series, graph theory, integration, differentiation, vectors. Prerequisite: Upper-level standing. Three lecture hours a week. Credit: Three hours.

MATH 4013. Probability and Statistics. The theory of discrete and continuous random variables and their distributions. Topics include expected values, binomial and normal distributions, the central limit theorem, confidence intervals, and hypothesis testing. Prerequisite: MATH 2014. Three lecture hours a week. Credit: Three hours.

MATH 4203. Problem Solving in the Mathematics Classroom. Strategies of problem solving; methods for teaching and applying different strategies in grades 4-12; assessment of problem solving skills; critical thinking skills. Prerequisite: Upper-level standing. Three lecture hours a week. Credit: Three hours.

MATH 4303. Algebra in the Mathematics Classroom. Patterns, relationships, ordered pairs, prime and composite numbers, orders of operations, exponents, number sentences, ratios, proportions, percents, modeling, formulas, equations, graphs, functions, systems of equations. Prerequisite: Upper-level standing. Three lecture hours a week. Credit: Three hours.

MATH 4311. Seminar in Mathematics. Capstone course. Compilation of a professional portfolio, completion of a multifaceted project on a current issue in or application of mathematics, development of skills in defining problems and opportunities, and generation of strategies and solutions for those problems. Requires a written component, an oral presentation of project, and an exit exam. Prerequisite: 24 hours of course work in mathematics or permission of the instructor. One seminar hour a week. Credit: One hour.

MATH 4313. Geometry in the Mathematics Classroom. Topics in geometry with an emphasis in problem solving, shapes, angles, polygons, circles, Pythagorean Theorem, symmetry, transformations, measurement area, and volume with an emphasis on technology. Prerequisite: Upper-level standing. Three lecture hours a week. Credit: Three hours.

MATH 4903. Special Topics. Variable content in mathematics. Three lecture hours a week. Credit: Three hours.

MATH 4911. Independent Study. Individual study in mathematics. Credit: One hour.

MATH 4913. Independent Study. Individual study in mathematics. Credit: Three hours.

MATH 4953. Cooperative Education. Credit: Three hours.

MATH 4956. Cooperative Education. Credit: Six hours.

Faculty

Professors

DEMUYNCK, MARIE-ANNE, Professor of Computer Science. B.A., Catholic University of Leuven; M.A., Catholic University of Leuven; M.S., Texas Woman's University; Ph.D., University of North Texas.

EDWARDS, DONALD, Professor of Mathematics and Computer Science; Chair of the Department of Mathematics and Computer Science; Special Assistant to the Provost. B.S., University of North Texas; M.S., University of North Texas; Ph.D., Texas Christian University.

GRIGORIEVA, ELLINA, Professor of Mathematics. B.S., Moscow State Lomonsov University; M.S., Moscow State University; Ph.D., Moscow State University.

MALLAM, WINIFRED A., Professor of Mathematics. B.A., Shaw University; M.S.S.E., Texas Woman's University; Ph.D., University of Jos.

MARSHALL, DAVID D., Professor of Computer Science. B.A., Baldwin-Wallace College; M.A., Cleveland State University; Ph.D., University of Illinois, Chicago.

Associate Professors

HAMNER, MARK S., Associate Professor of Mathematics; Associate Provost of Institutional Research and Data Management. B.A., University of Texas at Austin; M.S., Baylor University; Ph.D., Baylor University.

NAVARRA-MADSEN, JUNALYN, Associate Professor of Mathematics. B.S., University of Utah; M.S., University of Texas at Dallas; Ph.D., University of Texas at Dallas.

WHEELER, ANN M., Associate Professor of Mathematics. B.S., Henderson State University; M.S.E., Henderson State University; Ph.D., University of Northern Colorado.

ZHANG, JIAN, Associate Professor of Computer Science. B.S., Hefei University of Technology, China, P.R.; M.S., Tulane University; Ph.D., Tulane University.

Assistant Professors

FALLEY, BRANDI N., Assistant Professor of Mathematics. B.A., Ouachita Baptist University; M.S., Baylor University; Ph.D., Baylor University.

GARDNER, DAVID M., Assistant Professor of Computer Science. B.B.A., University of North Texas; M.S., University of North Texas; Ph.D., University of North Texas.

MACHUCA, ALICIA, Assistant Professor of Mathematics. B.S., University of Texas at San Antonio; Ph.D., University of Texas at Arlington.

Lecturers

BANKS, CATHERINE CLEAVELAND, Senior Lecturer of Mathematics. B.S., Stephen F. Austin State University; M.S., Stephen F. Austin State University.

HAYS, EDITH H., Senior Lecturer of Mathematics. B.B.A., Southern Methodist University; M.S., Texas Woman's University.

Bachelor of Science in Computer Science

Total Semester Credit Hours Required

120 semester credit hours.

Major

42 semester credit hours.

Minor

18 semester credit hours.

Required Computer Science Courses		
CSCI 1423	Programming Fundamentals I	3
CSCI 2443	Computer Organization and Machine Language	3
CSCI 2493	Programming Fundamentals II	3
CSCI 3013	Applied Computational Thinking	3
CSCI 3053	Data Structures	3
CSCI 3413	Software Engineering	3
CSCI 3423	Data Base Management	3
CSCI 3443	Digital Logic and Computer Architecture	3
CSCI 3613	Introduction to Algorithms	3
CSCI 4313	Networking and Data Communication	3
Computer Science Electives		
Select 12 additional semester credit hours in computer science, 6 of which must be advanced, to be selected with a computer science advisor		12
Other Requirements		
MATH 2014	Calculus I	4
MATH 3013	Discrete Mathematics	3
MATH 3073	Matrix Methods	3
or MATH 4013	Probability and Statistics	
Core curriculum completion		
Elective semester credit hours as needed to complete a minimum of 120 semester credit hours of college level coursework		
Total Semester Credit Hours		52

All students must complete three semester credit hours in approved Global Perspectives courses (graduation requirement).

Bachelor of Science in Computer Science Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
CSCI 1403	A First Course in Computing	COSC 1300	3
CSCI 1423	Programming Fundamentals I	COSC 1336, COSC 1436	3
CSCI 1421	Programming Fundamentals I - Laboratory		1
Mathematics Core			3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		17

Spring		TCCN	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
CSCI 2493	Programming Fundamentals II	COSC 1337, COSC 1437	3
MATH 2014 (CAO Core)	Calculus I	MATH 2413, MATH 2313	4
Creative Arts Core			3
	Semester Credit Hours		16

Second Year

Fall		TCCN	
GOV 2013	U.S. National Government	GOVT 2305	3
CSCI 3053	Data Structures		3
CSCI 3423	Data Base Management		3
Life/Physical Sciences Core			3
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		15

Spring		TCCN	
GOV 2023	Texas Government	GOVT 2306	3
CSCI 2443	Computer Organization and Machine Language	COSC 1319, COSC 2325	3
CSCI 3013	Applied Computational Thinking		3
Life/Physical Science Core			3
Social/Behavioral Science Core			3
	Semester Credit Hours		15

Third Year

Fall		TCCN	
CSCI 3443	Digital Logic and Computer Architecture		3
CSCI 3441	Digital Logic and Computer Architecture - Laboratory		1
CSCI Elective (Major)			3
CSCI Elective (Upper Level-Major)			3
Minor			3
Minor			3
	Semester Credit Hours		16

Spring		TCCN	
CSCI 3413	Software Engineering		3
CSCI 3613	Introduction to Algorithms		3
MATH 3013	Discrete Mathematics		3
MATH 2053 (GP)	Women and Minorities in Engineering, Mathematics, and Science		3
Minor			3
	Semester Credit Hours		15

Fourth Year

Fall		TCCN	
CSCI elective (Upper Level)			3
CSCI elective (Upper Level)			3
Minor			3
Minor (Upper Level)			3
Elective			2
	Semester Credit Hours		14

Spring		TCCN	
CSCI 4313	Networking and Data Communication		3
Elective			3
MATH 3073	Matrix Methods		3
Minor (Upper Level)			3
	Semester Credit Hours		12
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Computer Science (7-12 Computer Science Certification)

Total Semester Credit Hours Required

120 semester credit hours.

Major

42 semester credit hours.

Minor

20 semester credit hours.

Required Computer Science Courses		
CSCI 1423	Programming Fundamentals I	3
CSCI 2443	Computer Organization and Machine Language	3

CSCI 2493	Programming Fundamentals II	3
CSCI 3013	Applied Computational Thinking	3
CSCI 3053	Data Structures	3
CSCI 3413	Software Engineering	3
CSCI 3423	Data Base Management	3
CSCI 3443	Digital Logic and Computer Architecture	3
CSCI 3613	Introduction to Algorithms	3
CSCI 4313	Networking and Data Communication	3
Computer Science Electives		12
Select 12 additional semester credit hours in computer science, 6 of which must be advanced, to be selected with a computer science advisor.		12
Other Requirements ("C" or higher required)		
CSCI 3002	Advanced Computing Technology	2
EDSP 4203	Learners with Exceptionalities	3
FS 3513	Childhood and Adolescence	3
READ 3013	Literacy and Learning across the Curriculum	3
MATH 3013	Discrete Mathematics	3
MATH 3073	Matrix Methods	3
or MATH 4013	Probability and Statistics	
Minor - Teaching		
EDUC 2003	Schools and Society	3
EDUC 3003	Learning Theory and Development	3
EDUC 3482	Teaching Diverse Learners Through Technology Integration	2
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
EDUC 4126	Student Teaching: Mathematics	6

Bachelor of Science in Computer Science (7-12 Computer Science Certification) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Life/Physical Science Core			3
CSCI 1423	Programming Fundamentals I	COSC 1336, COSC 1436	3
MATH 1313	Elementary Analysis II	MATH 1316	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
CSCI 2493	Programming Fundamentals II	COSC 1337, COSC 1437	3
MATH 2014	Calculus I	MATH 2413, MATH 2313	4
Creative Arts Core			3
	Semester Credit Hours		16

Second Year

Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
CSCI 3053	Data Structures		3
CSCI 3423	Data Base Management		3
CSCI 3002	Advanced Computing Technology		2
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		14
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
CSCI 2443	Computer Organization and Machine Language	COSC 1319, COSC 2325	3
CSCI 3013	Applied Computational Thinking		3
Life/Physical Science Core			3
Social/Behavioral Sciences Core			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
CSCI 3443	Digital Logic and Computer Architecture		3
CSCI Elective (Major)			3
CSCI Elective (Upper Level-Major)			3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
EDUC 2003	Schools and Society	EDUC 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
CSCI 3413	Software Engineering		3

CSCI 3613	Introduction to Algorithms	3
MATH 3013	Discrete Mathematics	3
MATH 2053 (GP)	Women and Minorities in Engineering, Mathematics, and Science	3
EDUC 3003	Learning Theory and Development	3
EDUC 3482	Teaching Diverse Learners Through Technology Integration	2
READ 3013	Literacy and Learning across the Curriculum	3
	Semester Credit Hours	20

Fourth Year

Fall		**TCCN**
CSCI elective (Upper Level)		3
CSCI elective (Upper Level)		3
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
CSCI 4313	Networking and Data Communication	3
MATH 3073	Matrix Methods	3
	Semester Credit Hours	18

Spring		**TCCN**
EDUC 4126	Student Teaching: Mathematics	6
	Semester Credit Hours	6
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

B.S. in Health Informatics (Clinical Applications Minor)

Total Semester Credit Hours Required

120 semester credit hours.

Major

42 semester credit hours.

Minor

18 semester credit hours.

Bachelor of Science in Health Informatics (Clinical Applications Minor) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
CSCI 1421	Programming Fundamentals I - Laboratory		1
Mathematics (MATH 1703 recommended core)			3
CSCI 1513	Introduction to Informatics		3
CSCI 1423	Programming Fundamentals I	COSC 1336, COSC 1436	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		17
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
CSCI 2493	Programming Fundamentals II	COSC 1337, COSC 1437	3
Creative Arts Core			3
MATH 1713	Elementary Statistics II		3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
CSCI 3053	Data Structures		3
CSCI 3423	Data Base Management		3
Life/Physical Sciences Core			3
NURS 2213	Introduction to Health Informatics		3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Sciences Core			3
Language, Philosophy, & Culture Core			3
NURS 2313	Advanced Health Informatics		3
MATH 1013 (Recommended Core CAO)	Financial and Quantitative Literacy	MATH 1332	3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
LS 3053	Interdisciplinary Information Retrieval		3
CSCI 3513	Information Systems Project Management		3
Multicultural Women's Studies (CAO) Core			3
Minor Course			3
Social & Behavioral Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
Minor Course			3
CSCI 3013	Applied Computational Thinking		3
HS 3383	Legal and Ethical Issues in Health Informatics		3
Minor Course			3
Elective (GP)			3
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
CSCI 4313	Networking and Data Communication		3
Minor Course			3
Minor Course (Upper Level)			3

Elective (Upper Level)			3
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
Minor Course (Upper Level)			3
NURS 4923	Capstone in Interprofessional Informatics		3
Elective (Upper Level)			3
Elective			3
Elective			1
	Semester Credit Hours		13
	Total Semester Credit Hours:		120

B.S. in Health Informatics (Health Studies Minor)

Total Semester Credit Hours Required

120 semester credit hours.

Major

42 semester credit hours.

Minor

18 semester credit hours.

Bachelor of Science in Health Informatics (Health Studies Minor) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
CSCI 1421	Programming Fundamentals I - Laboratory		1
CSCI 1513	Introduction to Informatics		3
MATH 1703 (Recommended Core Math)	Elementary Statistics I	MATH 1342, MATH 1442	3
CSCI 1423	Programming Fundamentals I	COSC 1336, COSC 1436	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		17
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
CSCI 2493	Programming Fundamentals II	COSC 1337, COSC 1437	3
Creative Arts Core			3
MATH 1713	Elementary Statistics II		3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
CSCI 3053	Data Structures		3
CSCI 3423	Data Base Management		3
Life/Physical Sciences Core			3
NURS 2213	Introduction to Health Informatics		3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
CSCI 3013	Applied Computational Thinking		3
Life/Physical Sciences Core			3
NURS 2313	Advanced Health Informatics		3
MATH 1013 (Recommended Core CAO)	Financial and Quantitative Literacy	MATH 1332	3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
CSCI 3513	Information Systems Project Management		3
LS 3053	Interdisciplinary Information Retrieval		3
Multicultural Women's Studies (CAO) Core			3

Minor Course			3
Social & Behavioral Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
HS 3383	Legal and Ethical Issues in Health Informatics		3
Minor Course			3
PHIL 1023 (Language, Philosophy, Culture Core)	Introduction to Philosophy	PHIL 1301	3
Minor Course			3
Elective (GP)			3
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
CSCI 4313	Networking and Data Communication		3
Minor Course			3
Minor Course (Upper Level)			3
Elective (Upper Level)			3
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
Minor Course (Upper Level)			3
NURS 4923	Capstone in Interprofessional Informatics		3
Elective (Upper Level)			3
Elective (Upper Level)			3
Elective			1
	Semester Credit Hours		13
	Total Semester Credit Hours:		120

B.S. in Informatics (Community Informatics Minor)

Total Semester Credit Hours Required

120 semester credit hours.

Major

42 semester credit hours.

Minor

18 semester credit hours.

Bachelor of Science in Informatics (Community Informatics Minor) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
CSCI 1421	Programming Fundamentals I - Laboratory		1
Mathematics (MATH 1703 recommended)			3
CSCI 1513	Introduction to Informatics		3
CSCI 1423	Programming Fundamentals I	COSC 1336, COSC 1436	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		17
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
CSCI 2493	Programming Fundamentals II	COSC 1337, COSC 1437	3
Creative Arts Core			3
MATH 1713	Elementary Statistics II		3
	Semester Credit Hours		15
Second Year			
Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
CSCI 3053	Data Structures		3
CSCI 3423	Data Base Management		3
Life/Physical Sciences Core			3
NURS 2213	Introduction to Health Informatics		3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3

CSCI 3013	Applied Computational Thinking		3
Life/Physical Sciences Core			3
Language, Philosophy, & Culture Core			3
MATH 1013 (Recommended Core CAO)	Financial and Quantitative Literacy	MATH 1332	3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
LS 3053	Interdisciplinary Information Retrieval		3
CSCI 3513	Information Systems Project Management		3
Multicultural Women's Studies (CAO) Core			3
Minor Course			3
Social & Behavioral Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
Minor Course			3
HS 3383	Legal and Ethical Issues in Health Informatics		3
CSCI 3703	Interface Design and Development		3
Minor Course			3
Elective (Upper Level)			3
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
CSCI 4313	Networking and Data Communication		3
Minor Course			3
Minor Course (Upper Level)			3
Elective (Upper Level)			3
Elective (GP)			3
	Semester Credit Hours		15
Spring		**TCCN**	
Minor Course (Upper Level)			3
CSCI 4923	Capstone in Interprofessional Informatics		3
Elective (Upper Level)			3
Elective			3
Elective			1
	Semester Credit Hours		13
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

B.S. in Informatics (Data Science Minor)

Total Semester Credit Hours Required

120 semester credit hours.

Major

42 semester credit hours.

Minor

18 semester credit hours.

Bachelor of Science in Informatics (Data Science Minor) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
CSCI 1421	Programming Fundamentals I - Laboratory		1
CSCI 1513	Introduction to Informatics		3
MATH 1703 (Recommended Core)	Elementary Statistics I	MATH 1342, MATH 1442	3
CSCI 1423	Programming Fundamentals I	COSC 1336, COSC 1436	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		17
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
CSCI 2493	Programming Fundamentals II	COSC 1337, COSC 1437	3
Creative Arts Core			3

MATH 1713	Elementary Statistics II		3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
GOV 2013	U.S. National Government	GOVT 2305	3
CSCI 3053	Data Structures		3
Life/Physical Sciences Core			3
NURS 2213	Introduction to Health Informatics		3
MATH 1013 (Recommended Core CAO)	Financial and Quantitative Literacy	MATH 1332	3
	Semester Credit Hours		15

Spring		TCCN	
GOV 2023	Texas Government	GOVT 2306	3
CSCI 3013	Applied Computational Thinking		3
Life/Physical Sciences Core			3
Language, Philosophy, & Culture Core			3
CSCI 3513	Information Systems Project Management		3
	Semester Credit Hours		15

Third Year

Fall		TCCN	
LS 3053	Interdisciplinary Information Retrieval		3
CSCI 3423	Data Base Management		3
Multicultural Women's Studies (CAO) Core			3
Minor Course			3
Social & Behavioral Science Core			3
	Semester Credit Hours		15

Spring		TCCN	
Elective (Upper Level Major Discipline)			3
Minor Course			3
CSCI 3703	Interface Design and Development		3
Minor Course			3
Elective (Upper Level)			3
	Semester Credit Hours		15

Fourth Year

Fall		TCCN	
Minor Course			3
Minor Course (Upper Level)			3
Elective (GP)			3
CSCI 4313	Networking and Data Communication		3
HS 3383	Legal and Ethical Issues in Health Informatics		3
	Semester Credit Hours		15

Spring		TCCN	
Minor Course (Upper Level)			3
CSCI 4923	Capstone in Interprofessional Informatics		3
Elective (Upper Level)			3
Elective			3
Elective			1
	Semester Credit Hours		13
	Total Semester Credit Hours:		120

Bachelor of Science in Mathematics

Total Semester Credit Hours Required

120 semester credit hours.

Major

42 semester credit hours.

Minor

18 semester credit hours.

Required Mathematics Courses		
MATH 2014	Calculus I	4
MATH 2024	Calculus II	4
MATH 3013	Discrete Mathematics	3
MATH 3053	Abstract Algebra	3
MATH 3063	Linear Algebra	3
or MATH 3073	Matrix Methods	
MATH 3083	Elementary Number Theory	3
MATH 3104	Calculus III	4
MATH 3123	Differential Equations	3
MATH 4013	Probability and Statistics	3
Mathematics Electives		
Select 12 additional semester credit hours in mathematics, 6 of which must be upper level. MATH 1013, MATH 1023, MATH 1303, and MATH 1313 may not be counted toward the major		12

Other Requirements ("C" or higher required)		
CSCI 3013	Applied Computational Thinking	3
CSCI 1403	A First Course in Computing	3
or CSCI 2433	Microcomputer Applications	
or CSCI 3002	Advanced Computing Technology	
Core curriculum completion		
Elective semester credit hours as needed to complete a minimum of 120 semester credit hours of college level coursework		

Specializations

Descriptions of specialized programs for mathematics students interested in engineering studies, computational math, statistics, or teacher certification can be found on our website.

Bachelor of Science in Mathematics Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Elective			3
CSCI 1403	A First Course in Computing	COSC 1300	3
MATH 1313	Elementary Analysis II	MATH 1316	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Creative Arts Core			3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
	Semester Credit Hours		12

Second Year

Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Sciences Core			3
Language, Philosophy, and Culture Core			3
MATH 2014	Calculus I	MATH 2413, MATH 2313	4
Social/Behavioral Science Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Sciences Core			3
MATH 3073	Matrix Methods		3
MATH 2024	Calculus II	MATH 2314, MATH 2414	4
MATH 2053 (GP)	Women and Minorities in Engineering, Mathematics, and Science		3
	Semester Credit Hours		16

Third Year

Fall		**TCCN**	
MATH 3104	Calculus III		4
MATH 3083	Elementary Number Theory		3
Minor			3
Minor			3
MATH Elective (Major)			3
	Semester Credit Hours		16
Spring		**TCCN**	
MATH 3053	Abstract Algebra		3
MATH 3123	Differential Equations		3
Minor			3
Elective			3
Elective			3
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
MATH 3063	Linear Algebra		3
MATH 4013	Probability and Statistics		3
Minor			3
Minor (Upper Level)			3
MATH Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
MATH Elective (Upper Level)			3
MATH Elective (Upper Level)			3
Minor (Upper Level)			3
Elective			2

CSCI 3013	Applied Computational Thinking	3
	Semester Credit Hours	14
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Mathematics (4-8 Mathematics Certification)

Total Semester Credit Hours Required

126 semester credit hours.

Major

42 semester credit hours.

Minor

20 semester credit hours.

Required Mathematics Courses		
MATH 1533	Mathematics Concepts II	3
MATH 1543	Mathematics Concepts III	3
MATH 2014	Calculus I	4
MATH 2024	Calculus II	4
MATH 3104	Calculus III	4
MATH 3013	Discrete Mathematics	3
MATH 3053	Abstract Algebra	3
MATH 3063	Linear Algebra	3
or MATH 3073	Matrix Methods	
MATH 4003	Mathematical Concepts in the Educational Setting	3
MATH 4013	Probability and Statistics	3
MATH 4203	Problem Solving in the Mathematics Classroom	3
MATH 4303	Algebra in the Mathematics Classroom	3
MATH 4313	Geometry in the Mathematics Classroom	3
Other Requirements		
CSCI 3002	Advanced Computing Technology	2
BIOL 1023	Environmental Biology	3
CSCI 3013	Applied Computational Thinking	3
EDSP 4203	Learners with Exceptionalities	3
READ 3433	Literacy Foundations EC-6	3
READ 4383	Phonological and Orthographic Principles in Reading	3
SCI 1114	Sustainable Physical Science ((recommended))	4
Minor - Teaching		
EDUC 2003	Schools and Society	3
EDUC 3003	Learning Theory and Development	3
EDUC 3482	Teaching Diverse Learners Through Technology Integration	2
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
EDUC 4786	Student Teaching: Grades 4-8 Mathematics	6

Bachelor of Science in Mathematics (4-8 Mathematics Certification) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
MATH 1313	Elementary Analysis II	MATH 1316	3
MATH 1533	Mathematics Concepts II	MATH 1350	3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
GOV 2013	U.S. National Government	GOVT 2305	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		16
Spring		**TCCN**	
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
MATH 1543	Mathematics Concepts III	MATH 1351	3
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
	Semester Credit Hours		18

Second Year

Fall		**TCCN**	
MATH 2014	Calculus I	MATH 2413, MATH 2313	4
MATH 4303	Algebra in the Mathematics Classroom		3
Life/Physical Science Core			3
Language, Philosophy, and Culture Core			3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3

MATH 2053 (GP)	Women and Minorities in Engineering, Mathematics, and Science		3
	Semester Credit Hours		19
Spring		**TCCN**	
MATH 2024	Calculus II	MATH 2314, MATH 2414	4
MATH 3013	Discrete Mathematics		3
CSCI 3002	Advanced Computing Technology		2
BIOL 1023	Environmental Biology	BIOL 2306	3
READ 3433	Literacy Foundations EC-6		3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
MATH 3104	Calculus III		4
MATH 4313	Geometry in the Mathematics Classroom		3
EDUC 2003	Schools and Society	EDUC 1301	3
READ 4383	Phonological and Orthographic Principles in Reading		3
Additional Science (SCI 1114 recommended)			4
	Semester Credit Hours		17
Spring		**TCCN**	
MATH 3073	Matrix Methods		3
MATH 4003	Mathematical Concepts in the Educational Setting		3
MATH 4203	Problem Solving in the Mathematics Classroom		3
CSCI 3013	Applied Computational Thinking		3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
	Semester Credit Hours		17
Fourth Year			
Fall		**TCCN**	
MATH 4013	Probability and Statistics		3
MATH 3053	Abstract Algebra		3
Creative Arts Core			3
Social/Behavioral Science Core			3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
	Semester Credit Hours		18
Spring		**TCCN**	
EDUC 4786	Student Teaching: Grades 4-8 Mathematics		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		126

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Mathematics (7-12 Mathematics Certification)

Total Semester Credit Hours Required

120 semester credit hours.

Major

42 semester credit hours.

Minor

20 semester credit hours.

Required Mathematics Courses		
MATH 1323	Elementary Analysis III	3
MATH 1713	Elementary Statistics II	3
MATH 2014	Calculus I	4
MATH 2024	Calculus II	4
MATH 3104	Calculus III	4
MATH 3013	Discrete Mathematics	3

MATH 3053	Abstract Algebra	3
MATH 3063	Linear Algebra	3
or MATH 3073	Matrix Methods	
MATH 4003	Mathematical Concepts in the Educational Setting	3
MATH 4013	Probability and Statistics	3
MATH 4203	Problem Solving in the Mathematics Classroom	3
MATH 4303	Algebra in the Mathematics Classroom	3
MATH 4313	Geometry in the Mathematics Classroom	3
Other Requirements		
CSCI 3002	Advanced Computing Technology	2
CSCI 3013	Applied Computational Thinking	3
EDSP 4203	Learners with Exceptionalities	3
FS 3513	Childhood and Adolescence	3
READ 3013	Literacy and Learning across the Curriculum	3
(Elective Hours to total 120)		
Minor - Teaching		
EDUC 2003	Schools and Society	3
EDUC 3003	Learning Theory and Development	3
EDUC 3482	Teaching Diverse Learners Through Technology Integration	2
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
EDUC 4126	Student Teaching: Mathematics	6

Bachelor of Science in Mathematics (7-12 Mathematics Certification) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
MATH 1313	Elementary Analysis II	MATH 1316	3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
GOV 2013	U.S. National Government	GOVT 2305	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
	Semester Credit Hours		16
Spring		**TCCN**	
MATH 1713	Elementary Statistics II		3
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
MATH 2014	Calculus I	MATH 2413, MATH 2313	4
MATH 1323	Elementary Analysis III	MATH 1348	3
MATH 4303	Algebra in the Mathematics Classroom		3
Life/Physical Science Core			3
Electives			4
	Semester Credit Hours		17
Spring		**TCCN**	
MATH 2024	Calculus II	MATH 2314, MATH 2414	4
MATH 3013	Discrete Mathematics		3
CSCI 3002	Advanced Computing Technology		2
Language, Philosophy, & Culture Core			3
READ 3013	Literacy and Learning across the Curriculum		3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
MATH 3104	Calculus III		4
MATH 4313	Geometry in the Mathematics Classroom		3
MATH 2053 (GP)	Women and Minorities in Engineering, Mathematics, and Science		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
EDUC 2003	Schools and Society	EDUC 1301	3
	Semester Credit Hours		16

Spring		**TCCN**	
MATH 4003	Mathematical Concepts in the Educational Setting		3
MATH 3073	Matrix Methods		3
MATH 4203	Problem Solving in the Mathematics Classroom		3
CSCI 3013	Applied Computational Thinking		3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
	Semester Credit Hours		17
Fourth Year			
Fall		**TCCN**	
MATH 4013	Probability and Statistics		3
MATH 3053	Abstract Algebra		3
Creative Arts Core			3
Social/Behavioral Science Core			3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
	Semester Credit Hours		18
Spring		**TCCN**	
EDUC 4126	Student Teaching: Mathematics		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Department of Psychology and Philosophy

Web Site: http://www.twu.edu/psychology-philosophy

Chair: *Shannon R. Scott, Professor*
Location: *CFO 708*
Phone: *940-898-2303*
Fax: *940-898-2301*
E-mail: *SScott@twu.edu*

Undergraduate Degrees Offered

- B.S. in Psychology (p. 162) (General Track): The General Track in Psychology is designed to provide a solid liberal arts education and will prepare students for a wide array of pursuits.
- B.S. in Psychology (Graduate School Preparation) (p. 163) The Graduate School Preparation Track in Psychology prepares students for graduate level work in Psychology and other Social Sciences. Through the inclusion of specific coursework and research team opportunities, this degree plan provides students the opportunity to gain key knowledge and skills necessary for success at the graduate level.
- B.S. in Psychology (Pre-Occupational Therapy) (p. 165) The Pre-Occupational Therapy Track is designed to prepare students for advanced degree work in allied health fields such as Occupational Therapy. Prerequisites for admission in to the Occupational Therapy Program at TWU are embedded within the degree plan. Please see the Graduate Catalog (http://catalog.twu.edu/graduate) for more information about admission into the Occupational Therapy program at TWU including guaranteed admission requirements.
- B.S. in Psychology (Pre-Physical Therapy) (p. 166) The Pre-Physical Therapy Track is designed to prepare students for advanced degree work in allied health fields such as Physical Therapy. Pre-requisites for admission in the Physical Therapy Program at TWU are included within the degree plan. Please see the Graduate Catalog (http://catalog.twu.edu/graduate) for more information about admission into the Physical Therapy program at TWU.

Accelerated tracks will be available in fall of 2016 for students wishing to pursue a Master's of Arts in Counseling Psychology or a Specialist in School Psychology degree at TWU. Please see the Psychology web site for additional information about tracks and the Graduate Catalog (http://catalog.twu.edu/graduate) for more information about admission into graduate psychology programs at TWU.

The Department of Psychology and Philosophy offers programs leading to the Bachelor of Science, the Master of Arts, the Specialist in School Psychology, and the Doctor of Philosophy degrees. The department also offers several minors tracks in psychology and philosophy.

Degree programs for majors are designed to prepare the student for career pursuits and/or advanced degree work in health related fields and psychology. Although the undergraduate major is broadly-based, the program through the six degree plan options offers sufficient depth to afford students a strong foundation in psychology, whether it be for the purpose of entering the job market in the helping professions or for doing advanced coursework at the graduate level. Graduates with a bachelor's degree often work in human resources, case management, human services and education fields. Students who are interested in obtaining a graduate degree often pursue careers in the health-related fields (e.g., occupational or physical therapy, medicine, and nursing) or in other specialized areas of psychology (e.g., clinical, counseling, experimental, forensic, industrial/organizational, and school psychology).

Coursework and degree plans in Psychology were designed in accordance with the APA Guidelines for the Undergraduate Psychology Major. As such, our Undergraduate Program is guided by five overarching learning goals. As an undergraduate in the Psychology Program, you will develop:

1. a knowledge base in psychology,
2. scientific inquiry and critical thinking skills,
3. a sense of ethical and social responsibility in a diverse world,
4. written and oral communication skills, and
5. professional development skills such as the ability to work in a team and project management.

Please visit the Department of Psychology and Philosophy website (http://www.twu.edu/psychology-philosophy) for more departmental information.

The Psychology Degree Programs require the completion of 120 semester credit hours.

Core Curriculum requirements include a minimum of 42 semester credit hours and are listed in the Academic Information and Planning (p. 45) section of this catalog.

Special Requirements

Students wanting to enter any of the Psychology degree plans will have admission requirements that must be completed before becoming a Psychology major. Please see the admissions tab above for information on the admission process and requirements for the Psychology major.

In order to graduate with a major in Psychology, students must complete the Psychology Senior Exit Exam in their final semester.

Only psychology and philosophy courses in which a grade of C or higher is received may be counted toward a departmental major and/or minor. A minimum of 16 advanced semester credit hours of Psychology must be taken at TWU.

Graduate Courses

Please refer to the Graduate Catalog (http://catalog.twu.edu/graduate) for information regarding graduate courses.

Admissions

Please see Admission (p. 18) section of the catalog. The same standards for admission to the university apply to the Department of Psychology and Philosophy (http://www.twu.edu/psychology-philosophy). Additional admission requirements for the undergraduate psychology program are:

1. completion of 45 semester credit hours with a 2.5 cumulative GPA,
2. completion of Introduction to General Psychology (PSY 1013), Developmental Psychology (PSY 1603), Professional Development

in Psychology (PSY 2013), and Abnormal Psychology (PSY 2513) with a C or better,

3. maintenance of a 2.5 Psychology GPA,
4. completion of an appropriate math course (MATH 1303 or higher ; it is recommended that you take MATH 1703 in order to meet prerequisites for other courses),
5. consistent adherence to the Psychology Program Code of Professional Conduct policy and
6. completion of the Psychology Major Application Process (see the Department of Psychology and Philosophy website (http://www.twu.edu/psychology-philosophy)).

Students will initially enter as pre-psychology majors. Acceptance into the Psychology program is contingent upon meeting all of the above requirements. Many psychology courses require that students be a Psychology major prior to enrollment. Therefore, it is important that students complete the admissions process as soon as admission requirements are met. Admission applications are processed on a rolling basis but can take 6-8 weeks to process dependent on submission time.

Continued enrollment in the program is contingent upon maintenance of a 2.5 cumulative GPA, maintenance of a 2.5 Psychology GPA, completion of psychology and philosophy coursework with a C or higher and continued adherence to the Psychology Program Code of Professional Conduct policy.

Minors

Students can complete one of four minors within the Department of Psychology and Philosophy: Applied Psychology Minor, Psychology Graduate School Preparation Minor, Psychology and Philosophy Split Minor, and the Philosophy Minor. For all minors, students must complete nine hours of the minor courses at TWU, six of which must be advanced hours.

Applied Psychology Minor

The minor in Applied Psychology is intended to provide students majoring in other academic specialty areas with a sub-concentration in behavioral sciences to prepare them to work in a number of applied settings. The minor consists of the following courses, some of which may have prerequisites.

Required Courses:

PSY 1013	Introduction to General Psychology	3
PSY 1603	Developmental Psychology	3
PSY 2513	Abnormal Psychology	3
PSY 3733	Psychology of Women	3
Take two of the following courses:		6
PSY 3933	Positive Psychology	
PSY 4013	Health Psychology	
PSY 4023	Forensic Psychology	
PSY 4153	Introduction to Counseling	
PSY 4173	Foundations of Family Psychology	
PSY 4183	Global Perspectives in Psychology	
Total Semester Credit Hours		18

Psychology Graduate School Preparation Minor

The Psychology Graduate School Preparation Minor is designed to provide students majoring in other academic specialty areas with a strong foundation to prepare them for graduate studies in psychology or other social science disciplines.

The minor consists of the following courses, some of which may have prerequisites:

Required Courses:

PSY 1013	Introduction to General Psychology	3
PSY 2303	Applied Statistics	3
PSY 3354	Experimental Psychology	4
PSY 4103 & PSY 4101	Cognitive Psychology and Cognitive Psychology Laboratory	4
PSY 4133	Physiological Psychology	3
One psychology course (any level)		1
Total Semester Credit Hours		18

*For most psychology graduate programs, you will also need to take PSY 1603 and PSY 2513.

Psychology and Philosophy Split Minor

In addition to a minor in philosophy, the department of psychology and philosophy also offers a split minor. The minor consists of the following courses, some of which have prerequisites:

Required Courses:

PHIL 1023	Introduction to Philosophy	3
PSY 1013	Introduction to General Psychology	3
PSY 4113	History and Systems of Psychology	3
PSY 3123	Human Nature	3
or PHIL 3123	Human Nature	
Take two courses from the following:		6
PHIL 2033	Logic and Critical Thinking	
PHIL 3053	Ethics	
PHIL 3073	Bioethics	
PSY 3333	Evolutionary Psychology	
Total Semester Credit Hours		18

Philosophy Minor

The mission of the philosophy component at TWU is (a) to introduce students to the study of philosophy, in particular major figures and debates in the history of philosophy; (b) to contribute to the undergraduate colleges at TWU by means of core curriculum classes and a minor in philosophy and finally (c) to contribute to the education of undergraduate students in psychology.

Philosophy may be selected as a minor field of study for the Bachelor of Science degree. For many students philosophy may be the basis for a liberal education or an area of intensive study before undertaking graduate work. A consideration of and concentration in philosophy is not limited, therefore, to persons who are professionally interested in the field. The minor consists of eighteen (18) semester credit hours,

with six (6) semester credit hours required in junior and/or senior-level courses.

Choose any six of the follow courses (6 hours must be advanced):		18
PHIL 1023	Introduction to Philosophy	
PHIL 2033	Logic and Critical Thinking	
PHIL 3053	Ethics	
PHIL 3073	Bioethics	
PHIL 3083	Ethics and Feminism	
PHIL 3123	Human Nature	
PHIL 3193	Women and Western Religions	
PHIL 4913	Independent Study	
Total Semester Credit Hours		18

Philosophy Courses

PHIL 1023. Introduction to Philosophy. (TCCN PHIL 1301) Survey of basic philosophical issues: methodology, metaphysics, axiology, including epistemology, cosmology, ontology, ethics, and aesthetics; selected readings from great philosophers, both eastern and western. Three lecture hours a week. Credit: Three hours.

PHIL 2033. Logic and Critical Thinking. (TCCN PHIL 2303) A consideration of critical thought from the perspective of induction and deduction, formal and informal fallacies, structure of syllogism, symbolic logic, and principles of scientific method. Three lecture hours a week. Credit: Three hours.

PHIL 3053. Ethics. (TCCN PHIL 2306) A consideration of the primary ethical theories with respect to personal, social, and professional action; the critical discussion of the ethical systems of the major classical philosophies. Three lecture hours a week. Credit: Three hours.

PHIL 3073. Bioethics. Centers upon problems of value with respect to biomedical technology, genetics, ecology, abortion, euthanasia, human experimentation, prolongation of life, psychosurgery; ethical and social issues in biomedicine. Three lecture hours a week. Credit: Three hours.

PHIL 3083. Ethics and Feminism. A comprehensive study of the literature, principles, and linguistic impact of contemporary ethics with special emphasis on the origins, authors, and audiences related to feminist philosophy. Three lecture hours a week. Credit: Three hours.

PHIL 3123. Human Nature. Psychological and philosophical accounts of human nature; topics including socio-biology, nature versus nurture, consciousness, free will, and the nature of knowledge. Prerequisite: PSY 1013. Three lecture hours a week. Credit: Three hours.

PHIL 3193. Women and Western Religions. Women's religious roles and contributions to religious traditions with emphasis on Judaism, Christianity, and Islam; interconnections between religion and gender, race/ethnicity, sexuality, and culture; and feminist/womanist critiques and transformations of Western religious traditions. Three lecture hours a week. Credit: Three hours.

PHIL 4913. Independent Study. Prerequisite: Permission of instructor. Credit: Three hours.

Psychology Courses

PSY 1013. Introduction to General Psychology. (TCCN PSYC 2301) Survey of traditional areas of psychology; psychobiology, perception, learning, cognition, development, social behavior, abnormal psychology, and psychotherapy. Three lecture hours a week.Credit: Three hours.

PSY 1082. Psychology of Adjustment. Nature of effective and faulty patterns of adjustment; factors in healthy and unhealthy personal development; unique motivation patterns of individuals; and influence of sociocultural factors on adjustment in intellectual, occupational, emotional, and social areas. Two lecture hours a week. Credit: Two hours.

PSY 1603. Developmental Psychology. (TCCN PSYC 2314) Development of personality and learning capacities across the life-span from birth to death; emphasis on interactions of heredity, environment, and maturational processes. Prerequisite: PSY 1013. Three lecture hours a week. Credit: Three hours.

PSY 2013. Professional Development in Psychology. Focuses on student development for academic and career growth, exploration, and preparation for career opportunities and graduate school, writing, and research skills. Topics covered: goal development, APA writing style, subfields in psychology, portfolios, and resumes. Should be taken the semester following PSY 1013. Prerequisite: PSY 1013 with a grade of C or higher. Three lecture hours a week. Credit: Three hours.

PSY 2023. Social Psychology. (TCCN PSYC 2319, SOCI 2326) Survey of and research on attitudes, attribution, the self, affiliation, aggression, gender, cross-cultural issues, social cognition, altruism, person perception, and group structure. Prerequisite: PSY 1013 with a grade of C or higher. Three lecture hours a week. Credit: Three hours.

PSY 2061. Research Team I. Participation in introductory research activities in a supervising faculty member's area of research interest. Prerequisite: Permission of supervising faculty. Three laboratory hours a week. Credit: One hour.

PSY 2071. Research Team II. Participation in basic research activities in a supervising faculty member's area of research interest. Prerequisite: Permission of supervising faculty. Three laboratory hours a week. Credit: One hour.

PSY 2303. Applied Statistics. (TCCN PSYC 2317) Basic statistical methods: distributions, central tendency, variability, correlation, sampling techniques, and hypothesis testing. Prerequisites: PSY 1013 and MATH 1703 with a grade of C or higher. Three lecture hours a week. Credit: Three hours.

PSY 2513. Abnormal Psychology. A study of psychopathology covering the major classification systems including mood disorders and psychotic behavior, defenses, anxiety, methods of psychotherapy, mental health principles; examination of abnormality in relationship to normal behavior. Prerequisites: PSY 1013 with a grade of C or higher and must have completed 25 semester credit hours. Three lecture hours a week. Credit: Three hours.

PSY 2633. Adolescent Psychology. (TCCN PSYC 2307) Developmental, behavioral, and emotional aspects of adolescence; emphasis on current research, theories, issues, and problems. Prerequisites: PSY 1013 and PSY 1603 with a grade of C or higher. Three lecture hours a week. Credit: Three hours.

PSY 3061. Research Team III. Participation in research activities at a developing level in a supervising faculty member's area of research interest. Prerequisite: Permission of supervising faculty. Three laboratory hours a week. Credit: One hour.

PSY 3071. Research Team IV. Participation in research activities at an intermediate level in a supervising faculty member's area of research interest. Prerequisite: Permission of supervising faculty. Three laboratory hours a week. Credit: One hour.

PSY 3123. Human Nature. Psychological and philosophical accounts of human nature; topics including socio-biology, nature versus nurture, consciousness,free will, and the nature of knowledge. Prerequisites: PSY 1013 with a grade of C or higher and must have completed 55 semester credit hours. Three lecture hours a week. Credit: Three hours.

PSY 3161. Behavior Therapy Laboratory. Classroom and virtual field experiences designed to illustrated assessment and treatment procedures in behavior therapy. Co-requisite: PSY 3163. Two laboratory hours a week. Credit: One hour.

PSY 3163. Introduction to Behavior Therapy. Techniques of behavior therapy designed to acquaint the student with treatments and research applications in normal and clinical populations. Emphasis on mastery of techniques, designing treatment plans, and evaluation. Pre-requisites: PSY 1013 and PSY 2513 with a grade of C or higher, must have completed 55 semester credit hours, and psychology majors only or permission of departmental advisor. Co-requisite: PSY 3161. Three lecture hours a week. Credit: Three hours.

PSY 3333. Evolutionary Psychology. Exploration of the mechanisms of the human mind and behavior through the lens of evolutionary theory, unifying, and integrating the different branches of psychology. Pre-requisites: PSY 1013 with a grade of C or higher, must have completed 55 semester credit hours, and psychology majors only or permission of departmental advisor. Three lecture hours a week. Credit: Three hours.

PSY 3354. Experimental Psychology. Strategies of research including design of psychological experiments, data collection, data analysis, and report writing. Pre-requisites: PSY 1013 and PSY 2303 with a grade of C or higher, must have completed 55 semester credit hours, and psychology majors only or permission of departmental advisor. Three lecture and two laboratory hours a week. Credit: Four hours.

PSY 3733. Psychology of Women. Issues in the development and behavior of women, including theoretical perspectives, male-female differences, achievement, motivation, stereotype, androgyny, sexuality, career choices, mental health and disorders, psychotherapy, life-span, and special sub-groups. Prerequisite: Must have completed 55 semester credit hours. Three lecture hours a week. Credit: Three hours.

PSY 3933. Positive Psychology. Explores factors related to enhancement of overall mental health and well-being. Focus on strengths-based and resiliency approach to psychology. Pre-requisites: PSY 1013 and PSY 2513 with a grade of C or higher, must have completed 55 semester credit hours, and psychology majors only or permission of departmental advisor. Three lecture hours a week. Credit: Three hours.

PSY 3943. Psychological Tests and Measurements. Theory and practice of psychological assessment. Construction, validation, and use of psychological tests in measuring psychological variables. Pre-requisites: PSY 1013 and PSY 2303 with a grade of C or higher, must have completed 55 semester credit hours, and psychology majors only or permission of departmental advisor. Two lecture and two laboratory hours a week. Credit: Three hours.

PSY 4013. Health Psychology. Examination of psychosocial factors in health and illness with emphasis on relevant research and health care delivery from a psychological perspective. Pre-requisites: PSY 1013 and PSY 2513 with a grade of C or higher, must have completed 85 semester credit hours, and psychology majors only or permission of departmental advisor. Three lecture hours a week. Credit: Three hours.

PSY 4023. Forensic Psychology. Examination of psychological theories and research related to current issues in criminal law; and the role of psychologists in the criminal justice system. Pre-requisites: PSY 1013 and PSY 2513 with a grade of C or higher, must have completed 85 semester credit hours, and psychology majors only or permission of departmental advisor. Three lecture hours a week. Credit: Three hours.

PSY 4061. Research Team V. Participation in research activities at a maturing level in a supervising faculty member's area of research interest. Prerequisite: Permission of supervising faculty. Three laboratory hours a week. Credit: One hour.

PSY 4071. Research Team VI. Participation in research activities at an advanced level in a supervising faculty member's area of research interest. Prerequisite: Permission of supervising faculty. Three laboratory hours a week. Credit: One hour.

PSY 4101. Cognitive Psychology Laboratory. Laboratory and field experiences designed to illustrate concepts of cognition. Co-requisite: PSY 4103. Two laboratory hours a week. Credit: One hour.

PSY 4103. Cognitive Psychology. Survey of research in human cognition; emphasis on cognitive processes of perception, attention, memory, language, problem solving, concept formation, and decision making. Pre-requisites: PSY 1013, PSY 2303, and PSY 3354 with a grade of C or higher; must have completed 55 semester credit hours; and psychology majors only or permission of departmental advisor. Co-requisite: PSY 4101. Three lecture hours a week. Credit: Three hours.

PSY 4113. History and Systems of Psychology. Historical view of the field from earliest scientific and philosophical antecedents through the classical schools to present views. Pre-requisites: PSY 1013 with a grade of C or higher, must have completed 15 psychology and 55 semester credit hours overall, and psychology majors only or permission of departmental advisor. Three lecture hours a week. Credit: Three hours.

PSY 4133. Physiological Psychology. Fundamentals of neuroanatomy and neurophysiology; psychopharmacology; genetic, neurological, and endocrine bases of sensation, motivation, sleep and arousal, learning, memory, and psychopathology. Pre-requisites: PSY 1013 with a grade of C or higher, must have completed 15 psychology and 85 semester credit hours overall, and psychology majors only or permission of departmental advisor. Three lecture hours a week. Credit: Three hours.

PSY 4153. Introduction to Counseling. Basic principles, history, theories, key domains, techniques, and experiences of counseling and psychotherapy. Experiential activities to help students develop basic helping skills. Pre-requisites: PSY 1013 and PSY 2513 with a grade of C or higher, must have completed 15 psychology and 55 semester credit hours overall, and psychology majors only or permission of departmental advisor. Three lecture hours a week. Credit: Three hours.

PSY 4173. Foundations of Family Psychology. A survey of psychological bases for understanding and evaluating family structure and process family within the diverse American culture. Special attention to the study of patterns of family development across the life cycle. Research bases for clinical practice will be studied and evaluated. Pre-requisites: PSY 1013, PSY 1603, and PSY 2513 with a grade of C or higher; must have completed 15 psychology and 55 semester credit hours overall; and psychology majors only or permission of departmental advisor. Three lecture hours a week. Credit: Three hours.

PSY 4183. Global Perspectives in Psychology. Intercultural/ international perspectives in psychology; psychology's relevance to the understanding of global problems and how psychology itself is affected by global events/cultures. Pre-requisites: PSY 1013 and PSY 2513 with a grade of C or higher, must have completed 15 psychology and 55 semester credit hours overall, and psychology majors only or permission of departmental advisor. Three lecture hours a week. Credit: Three hours.

PSY 4763. Early Field Experiences in Psychology. Supervised experiences in applied settings. The settings will be psychologically oriented work environment with diverse client populations. Both public and private agencies may be used. Pre-requisites: PSY 1013, PSY 1603, and PSY 2513 with a grade of C or higher; must have completed 15 psychology and 55 semester credit hours overall; and permission of supervising faculty. One lecture hour and four practicum hours a week. Credit: Three hours.

PSY 4913. Independent Study. Prerequisite: Permission of supervising faculty. Credit: Three hours.

PSY 4933. Senior Seminar in Psychology. Capstone course for psychology majors; focus on extensive readings and theoretical and applied areas of human behavior. Pre-requisites: PSY 1013, PSY 1603, PSY 2513, and PSY 3354 with a grade of C or higher; must have completed 25 psychology and 85 semester credit hours overall; and psychology majors only or permission of departmental advisor. Three seminar hours a week. Credit: Three hours.

PSY 4953. Cooperative Education. Cooperative work-study arrangement between business, industry, or selected agencies and the Psychology program. Work environment consistent with student's major and career goals. Preplanning and evaluation will involve 10 percent of the laboratory hours per week. May be repeated once for credit. Pre-requisites: PSY 1013, PSY 1603, and PSY 2513 with a grade of C or higher; must have completed 15 psychology and 55 semester credit hours overall; minimum overall GPA of 3.0; and permission of supervising faculty. Credit: Three hours.

Faculty

Professors

HART, CHRISTIAN L., Professor of Psychology. B.A., University of North Texas; M.S., Texas Christian University; Ph.D., Texas Christian University.

MARICLE, DENISE E., Professor of Psychology. B.S., University of Minnesota, Twin Cities; M.A., University of Notre Dame; Ph.D., University of Northern Colorado.

MOLLEN, DEBRA, Professor of Psychology. B.A., Adelphi University; M.A., University of Denver; Ph.D., Indiana University.

RUBIN, LINDA, Professor of Psychology. B.S., University of Kansas; M.S., University of Kansas; Ph.D., University of Kansas.

SCOTT, SHANNON R., Professor of Psychology; Chair of the Department of Psychology and Philosophy. B.A., Stephen F. Austin State University; M.S., Tufts University; Ph.D., Tufts University.

STABB, SALLY D., Professor of Psychology. B.A., Pennsylvania State University; M.Ed., Pennsylvania State University; Ph.D., University of Kansas.

Associate Professors

ASBURY, EDWARD T., Associate Professor of Psychology. B.A., University of Tennessee, Knoxville; M.A., Texas Christian University; M.A., East Tennessee State University; Ph.D., Texas Christian University.

DEORNELLAS, KATHY L., Associate Professor of Psychology. B.F.A., Stephen F. Austin State University; M.Ed., University of North Texas; Ph.D., Texas Woman's University.

FOSTER, KENNETH, Associate Professor of Psychology. B.A., City University of New York Brooklyn College; M.Phil., City University of New York Graduate School & University Center; M.A., City University of New York Hunter College; Ph.D., City University of New York Graduate School & University Center.

HARDING, BRIAN T., Associate Professor of Philosophy. B.A., University of Dallas; M.A., Fordham University; Ph.D., Fordham University.

HARRIS, JEFF E., Associate Professor of Psychology. B.A., DePauw University; M.A., Southern Illinois University at Carbondale; Ph.D., The Ohio State University System.

Assistant Professors

JOHNSON, WENDI L., Assistant Professor of Psychology. B.A., Bryant College; M.A., Western Carolina University; Ph.D., Texas Woman's University.

MORRIS, MICHAEL, Assistant Research Professor of Phychology. B.A., Winona State University; Ph.D. University of Iowa.

NA, ELISA, Assistant Professor of Psychology. B.S., University of Washington; Ph.D., The University of Iowa.

PALOMARES, RONALD S., Assistant Professor of Psychology. B.S., Texas A&M University; M.A., Lesley College; Ph.D., Texas A&M University.

PORRAS, CLAUDIA V., Assistant Professor of Psychology. B.A., Texas Tech University; M.S., Oklahoma State University; Ph.D., Oklahoma State University.

ROSEN, LISA H., Assistant Professor of Psychology. B.A., Rice University; M.A., University of Texas at Austin; Ph.D., University of Texas at Austin.

TERRIZZI Jr., JOHN A., Assistant Professor of Psychology. B.S., Juniata College; M.A., College of William and Mary; Ph.D., West Virginia University.

Bachelor of Science in Psychology

The General Track in Psychology is designed to provide a solid liberal arts education and will prepare students for a wide array of pursuits.

Total Semester Credit Hours Required

120-122 semester credit hours.

Major

44-45 semester credit hours.

Minor (optional)

25 semester credit hours.

Bachelor of Science in Psychology Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
PSY 1013	Introduction to General Psychology	PSYC 2301	3
Life/Physical Science Core			3
ENG 1013	Composition I	ENGL 1301	3
Math or Wellness CAO Core			2
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		15
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
PSY 1603	Developmental Psychology	PSYC 2314	3
Life/Physical Science Core			3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
PSY 2013	Professional Development in Psychology		3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
Select one of the following Natural Science sequences:			3-4
BIOL 1013	Human Biology		
BIOL 1113 & BIOL 1111	Principles of Biology I and Principles of Biology I Laboratory	(BIOL 1306, BIOL 1406) and (BIOL 1106)	
CHEM 1013 & CHEM 1011	Introductory Chemistry and Introductory Chemistry Laboratory	(CHEM 1305, CHEM 1405) and (CHEM 1105)	
CHEM 1113 & CHEM 1111	General Chemistry I and General Chemistry Laboratory I	(CHEM 1311, CHEM 1411) and (CHEM 1111)	
SCI 1123	General Life Science		
ZOOL 2013 & ZOOL 2011	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	
ZOOL 2023 & ZOOL 2021	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	(BIOL 2302, BIOL 2402) and (BIOL 2102)	
ZOOL 2033 & ZOOL 2031	Human Anatomy and Physiology and Human Anatomy and Physiology Laboratory		
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
GOV 2013	U.S. National Government	GOVT 2305	3
PHIL 2033	Logic and Critical Thinking	PHIL 2303	3
PSY 2513	Abnormal Psychology		3
	Semester Credit Hours		15-16
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
PSY 2023	Social Psychology	PSYC 2319, SOCI 2326	3
PSY 2303	Applied Statistics	PSYC 2317	3
Minor or Elective			3
Creative Arts Core			3
	Semester Credit Hours		15

Third Year

Fall		TCCN	
PSY 3354	Experimental Psychology		4
PSY 3733	Psychology of Women		3
Psychology Elective (2000 level or above)			3
Psychology Elective (2000 level or above)			3
Minor or Elective			2
	Semester Credit Hours		15
Spring		**TCCN**	
Psychology Elective (3000 level or above)			3
Minor or Elective			3
3 semester credit hours from Cluster B - Basic Psychology Electives (upper level)			3
Minor or Elective			3
Minor or Elective			3
	Semester Credit Hours		15

Fourth Year

Fall		TCCN	
3 semester credit hours from Cluster B - Basic Psychology Electives (upper level)			3
3 semester credit hours from Cluster A - Applied Psychology Electives (upper level)			3
Minor or Elective			3
Minor or Elective			3
Minor or Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
Select one of the following:			3
PHIL 3053	Ethics	PHIL 2306	
PHIL 3073	Bioethics		
PHIL 3083	Ethics and Feminism		
Select one of the following:			3-4
PSY 3163 & PSY 3161	Introduction to Behavior Therapy and Behavior Therapy Laboratory		
PSY 4103 & PSY 4101	Cognitive Psychology and Cognitive Psychology Laboratory		
3 semester credit hours from Cluster A - Applied Psychology Electives (upper level)			3
Minor or Elective			3
Minor or Elective			3
	Semester Credit Hours		15-16
	Total Semester Credit Hours:		120-122

Please Note: 3 semester credit hour Global Perspectives graduation requirement must be obtained through core courses, PSY 4183**, or elective semester credit hours.**

Bachelor of Science in Psychology (Graduate School Preparation)

The Graduate School Preparation Track in Psychology prepares students for graduate level work in Psychology and other Social Sciences. Through the inclusion of specific coursework and research team opportunities, this degree plan provides students the opportunity to gain key knowledge and skills necessary for success at the graduate level.

Total Semester Credit Hours Required

120-121 semester credit hours.

Major

44-45 semester credit hours.

Minor (optional)

21 semester credit hours.

Bachelor of Science in Psychology (Graduate School Preparation) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
PSY 1013	Introduction to General Psychology	PSYC 2301	3
Life/Physical Science Core			3
ENG 1013	Composition I	ENGL 1301	3
Math or Wellness CAO Core			2
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		15

Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
PSY 1603	Developmental Psychology	PSYC 2314	3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
PSY 2013	Professional Development in Psychology		3
Life/Physical Science Core			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
Select one of the following Natural Science sequences:			3-4
BIOL 1013	Human Biology		
BIOL 1113 & BIOL 1111	Principles of Biology I and Principles of Biology I Laboratory	(BIOL 1306, BIOL 1406) and (BIOL 1106)	
CHEM 1013 & CHEM 1011	Introductory Chemistry and Introductory Chemistry Laboratory	(CHEM 1305, CHEM 1405) and (CHEM 1105)	
CHEM 1113 & CHEM 1111	General Chemistry I and General Chemistry Laboratory I	(CHEM 1311, CHEM 1411) and (CHEM 1111)	
SCI 1123	General Life Science		
ZOOL 2013 & ZOOL 2011	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	
ZOOL 2023 & ZOOL 2021	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	(BIOL 2302, BIOL 2402) and (BIOL 2102)	
ZOOL 2033 & ZOOL 2031	Human Anatomy and Physiology and Human Anatomy and Physiology Laboratory		
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
GOV 2013	U.S. National Government	GOVT 2305	3
PHIL 2033	Logic and Critical Thinking	PHIL 2303	3
PSY 2513	Abnormal Psychology		3
Elective PSY 2061 recommended			1
	Semester Credit Hours		16-17

Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
PSY 2023	Social Psychology	PSYC 2319, SOCI 2326	3
PSY 2303	Applied Statistics	PSYC 2317	3
Minor or Elective			3
Creative Arts Core			3
Elective PSY 2071 recommended			1
	Semester Credit Hours		16

Third Year

Fall		**TCCN**	
PSY 3354	Experimental Psychology		4
PSY 3733	Psychology of Women		3
Psychology Elective (2000 level or above)			3
Psychology Elective (2000 level or above)			3
Elective (1 semester credit hour) PSY 3061 recommended			1
	Semester Credit Hours		14

Spring		**TCCN**	
Psychology Elective (3000 level or above)			3
Minor or Elective			3
3 semester credit hours from Cluster B - Basic Psychology Electives			3
Minor or Elective			3
Elective PSY 3071 recommended			1
	Semester Credit Hours		13

Fourth Year

Fall		**TCCN**	
PSY 4133	Physiological Psychology		3
3 semester credit hours from Cluster A - Applied Psychology Electives			3
Minor or Elective			3
Minor or Elective			3
Minor or Elective			3

Elective PSY 4061 recommended			1
	Semester Credit Hours		16
Spring		**TCCN**	
Select three semester credit hours from the following:			3
PHIL 3053	Ethics	PHIL 2306	
PHIL 3073	Bioethics		
PHIL 3083	Ethics and Feminism		
PSY 3943	Psychological Tests and Measurements		3
PSY 4103 & PSY 4101	Cognitive Psychology and Cognitive Psychology Laboratory		4
Minor or Elective			4
Elective PSY 4071 recommended			1
	Semester Credit Hours		15
	Total Semester Credit Hours:		120-121

Please Note: 3 semester credit hour Global Perspectives graduation requirement must be obtained through core courses, PSY 4183**, or elective semester credit hours.**

Bachelor of Science in Psychology (Pre-Occupational Therapy)

The Pre-Occupational Therapy Track is designed to prepare students for advanced degree work in allied health fields such as Occupational Therapy. Prerequisites for admission in to the Occupational Therapy Program at TWU are embedded within the degree plan.Please see the graduate catalog for more information about admission into the Occupational Therapy program at TWU including guaranteed admission requirements.

Total Semester Credit Hours Required

120 semester credit hours.

Major

44-45 semester credit hours.

Minor (optional)

15 semester credit hours.

Bachelor of Science in Psychology (Pre-Occupational Therapy) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
PSY 1013	Introduction to General Psychology	PSYC 2301	3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Math or Wellness CAO Core			2.
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ZOOL 2013 & ZOOL 2011	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	4
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
PSY 1603	Developmental Psychology	PSYC 2314	3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
PSY 2013	Professional Development in Psychology		3
ZOOL 2023 & ZOOL 2021	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	(BIOL 2302, BIOL 2402) and (BIOL 2102)	4
	Semester Credit Hours		16

Second Year

Fall		**TCCN**	
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
GOV 2013	U.S. National Government	GOVT 2305	3
PHIL 2033	Logic and Critical Thinking	PHIL 2303	3
PSY 2513	Abnormal Psychology		3

KINS 4903 (Scientific Foundation of Human Movement)	Special Topics		3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
PSY 2023	Social Psychology	PSYC 2319, SOCI 2326	3
PSY 2303	Applied Statistics	PSYC 2317	3
HS 3033	Medical Terminology		3
Creative Arts Core			3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
PSY 3354	Experimental Psychology		4
PSY 3733 (rec. for core)	Psychology of Women		3
Psychology Elective (2000 level or above)			3
Psychology Elective (2000 level or above)			3
	Semester Credit Hours		13
Spring		**TCCN**	
Psychology Elective (3000 level or above)			3
Minor or Elective			3
3 semester credit hours from Cluster B - Basic Psychology Electives			3
ZOOL 3123 & ZOOL 3121	Neuroanatomy and Neurophysiology and Neuroanatomy and Neurophysiology Laboratory		4
Minor or Elective			3
	Semester Credit Hours		16
Fourth Year			
Fall		**TCCN**	
PSY 4013	Health Psychology		3
PSY 4133	Physiological Psychology		3
Minor or Elective			3
Minor or Elective			3
Minor or Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
Select three semester credit hours from the following:			3
PHIL 3053	Ethics	PHIL 2306	
PHIL 3073	Bioethics		
PHIL 3083	Ethics and Feminism		
PSY 4103 & PSY 4101	Cognitive Psychology and Cognitive Psychology Laboratory		4
3 semester credit hours from Cluster A - Applied Psychology Electives			3
Minor or Elective			4
	Semester Credit Hours		14
	Total Semester Credit Hours:		120

Please Note: 3 semester credit hour Global Perspectives graduation requirement must be obtained through core courses, PSY 4183, or elective semester credit hours.

Must meet 36 advanced semester credit hour requirement.

Bachelor of Science in Psychology (Pre-Physical Therapy)

The Pre-Physical Therapy Track is designed to prepare students for advanced degree work in allied health fields such as Physical Therapy. Prerequisites for admission in the Physical Therapy Program at TWU are included within the degree plan. Please see the graduate catalog for more information about admission into the Physical Therapy program at TWU.

Total Semester Credit Hours Required

120 semester credit hours.

Major

44-45 semester credit hours.

Minor (optional)

7 semester credit hours.

Bachelor of Science in Psychology (Pre-Physical Therapy) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
PSY 1013	Introduction to General Psychology	PSYC 2301	3
CHEM 1113 & CHEM 1111	General Chemistry I and General Chemistry Laboratory I	(CHEM 1311, CHEM 1411) and (CHEM 1111)	4
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Math or Wellness CAO Core			2
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
CHEM 1123 & CHEM 1121	General Chemistry II and General Chemistry Laboratory II	(CHEM 1312, CHEM 1412) and (CHEM 1112)	4
PSY 1603	Developmental Psychology	PSYC 2314	3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
PSY 2013	Professional Development in Psychology		3
	Semester Credit Hours		16

Second Year

Fall		TCCN	
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
BIOL 1113 & BIOL 1111	Principles of Biology I and Principles of Biology I Laboratory	(BIOL 1306, BIOL 1406) and (BIOL 1106)	4
GOV 2013	U.S. National Government	GOVT 2305	3
PHIL 2033	Logic and Critical Thinking	PHIL 2303	3
PSY 2513	Abnormal Psychology		3
	Semester Credit Hours		16
Spring		**TCCN**	
BIOL 1123 & BIOL 1121	Principles of Biology II and Principles of Biology II Laboratory	(BIOL 1307, BIOL 1407) and (BIOL 1107)	4
GOV 2023	Texas Government	GOVT 2306	3
PSY 2023	Social Psychology	PSYC 2319, SOCI 2326	3
PSY 2303	Applied Statistics	PSYC 2317	3
Creative Arts Core			3
	Semester Credit Hours		16

Third Year

Fall		TCCN	
PHYS 1133 & PHYS 1131	Principles of Physics I and Principles of Physics Laboratory I	(PHYS 1301, PHYS 1401) and (PHYS 1101)	4
HS 3033	Medical Terminology		3
PSY 3354	Experimental Psychology		4
PSY 3733	Psychology of Women		3
	Semester Credit Hours		14
Spring		**TCCN**	
Psychology Elective (3000 level or above)			3
Psychology Elective (2000 level or above)			3
PHYS 1143 & PHYS 1141	Principles of Physics II and Principles of Physics Laboratory II	(PHYS 1302, PHYS 1402) and (PHYS 1102)	4
Minor or Elective			3
	Semester Credit Hours		13

Fourth Year

Fall		TCCN	
3 semester credit hours from Cluster A - Applied Psychology Electives			3
PSY 4013	Health Psychology		3
PSY 4133	Physiological Psychology		3

ZOOL 4243 & ZOOL 4241	Mammalian Physiology and Mammalian Physiology Laboratory		4
Psychology Elective (2000 level or above)			3
	Semester Credit Hours		16
Spring		**TCCN**	
Select three semester credit hours from the following:			3
PHIL 3053	Ethics	PHIL 2306	
PHIL 3073	Bioethics		
PHIL 3083	Ethics and Feminism		
PSY 4103 & PSY 4101	Cognitive Psychology and Cognitive Psychology Laboratory		4
3 semester credit hours from Cluster B - Basic Psychology Electives			3
Minor or Elective			3
	Semester Credit Hours		13
	Total Semester Credit Hours:		120

Please Note: 3 semester credit hour Global Perspectives graduation requirement must be obtained through core courses, PSY 4183**, or elective semester credit hours. Must meet 36 advanced semester credit hour requirement.**

Two accelerated tracks leading to a Master's in Counseling Psychology and Specialist in School Psychology will be offered beginning Fall 2016. Please visit the Department of Psychology and Philosophy website (http://www.twu.edu/psychology-philosophy) for more information.

Department of Sociology and Social Work

Web Site: http://www.twu.edu/sociology-social-work/

Chair: *Celia Lo, Professor*
Location: *CFO 305*
Phone: *940-898-2052*
Fax: *940-898-2067*
E-mail: *clo@twu.edu*

Undergraduate Degrees Offered

- B.S. in Criminal Justice (p. 174)
- B.S. in Sociology (p. 174)
- B.S. in Sociology (Social Inequality Concentration) (p. 175)
- Bachelor of Social Work (B.S.W.) (p. 177)

The Department of Sociology and Social Work (http://www.twu.edu/sociology-social-work) offers undergraduate programs leading to the Bachelor of Science in Sociology, Bachelor of Science in Criminal Justice, and Bachelor of Social Work degrees. At the undergraduate level, the student may major in sociology, social work, or criminal justice. Minors in these areas provide backgrounds complementing majors from other fields. Interdisciplinary minors in Ethnic Studies and in Global Studies are also available in the department. At the graduate level the department offers programs in sociology leading to the Master of Arts and Doctor of Philosophy degrees. (For information about the graduate degrees in sociology, see the graduate catalog.)

The sociology major is general and broad-based, providing for a systematic study of human society and the application of sociological theories, research methods, and techniques. The social work major offers the student a baccalaureate social work program accredited by the Council on Social Work Education (http://www.cswe.org). Based on the generalist model, the program includes theoretical concepts, values, and skills taught through participation in classroom, laboratory, and field settings. The primary objective of the social work major is to prepare students for beginning social work practice. The criminal justice major is designed to provide students with a sociological understanding of the organization and operation of the criminal justice system and to prepare students for satisfying professional careers in criminal justice.

For information about the sociology program, please visit our sociology website (http://www.twu.edu/sociology). For information about the social work program, please visit our social work website (http://www.twu.edu/social-work). For information about the criminal justice program please visit our criminal justice website (http://www.twu.edu/criminal-justice).

Special Departmental Requirements

No grade lower than C can be counted as credit toward completion of a major or minor in this department. A course can be repeated for credit no more than twice – that is, taken a total of three times.

No more than three semester credit hours of Internship can be counted toward a major in this department and none can be counted toward a minor.

Majors must take a three-semester credit hour 1000-level sociology course (with a grade of C or higher) before taking an advanced sociology course.

Students are not allowed Independent Study credit for courses typically offered as organized classes.

Internship credit will not be given for former or current employment.

Admissions

Please see Admission (p. 18) section of this catalog. The same standards for admission to the University apply to the Department of Sociology (http://www.twu.edu/sociology/default.asp) and Social Work (http://www.twu.edu/social-work/default.asp). Additional admission requirements apply to the Social Work program (see Bachelor of Social Work Degree (p. 177)).

Minors

Criminal Justice Minor

For information about the criminal justice minor, please see the Criminal Justice (p. 76) section of this catalog.

Ethnic Studies Minor

A selection of course offerings from a variety of disciplines allows the students to explore cultural and ethnic diversity on different levels, from individual to global, and in different settings. Students wishing to minor in Ethnic Studies should select 18 semester credit hours from courses listed below. In addition, some departments will offer special topics courses that are appropriate for inclusion in the Ethnic Studies minor when approved by the advisor in the Department of Sociology and Social Work (http://www.twu.edu/sociology-social-work).

Select 18 semester credit hours from the following:		18
EDBE 3643	Foundations of Bilingual Education	
ENG 3153	Multicultural Literature	
ENG 4433	Topics in World Literature	
FT 4083	Global Perspectives of Dress and Adornment	
GOV 3513	Japanese Culture and Politics	
HIST 3713	The History of Texas	
HIST 3763	History of Colonial Latin America	
HIST 4363	Slavery in the Americas	
NURS 3143	Multicultural Women's Health Issues	
SOCI 1413	Culture, Inequality, and Self	
SOCI 3093	Racial and Ethnic Groups in the United States	
SOCI 3193	The Mexican American in Contemporary Society	
SOCI 3303	Cultural Anthropology	
Total Semester Credit Hours		18

Sociology Minor

A minor in sociology at the baccalaureate level requires 18 semester credit hours of sociology, including the following:

SOCI 1013	Introductory Sociology	3
or SOCI 1023	Current Social Problems	
SOCI 3023	Introduction to Sociological Theory	3
or SOCI 3073	Social Inequality	

Six advanced semester credit hours of sociology	6

Course selections are tailored to the student's major in consultation with departmental advisors. SOCI 3273 will not count for credit toward the minor.

Global Studies Minor

Students wishing to minor in Global Studies should select 18 semester credit hours from courses listed below. A minimum of six of the required semester credit hours must be upper level. In addition, courses must be selected from a minimum of three different disciplines. In addition, some departments will offer special topics courses that are appropriate for inclusion in the Global Studies minor when approved by the advisor in the Department of Sociology and Social Work (http://www.twu.edu/sociology-social-work).

ART 3053	Global Perspectives in Art	3
BUS 3183	Introduction to International Business	3
ENG 2043	World Literary Masterpieces I	3
ENG 2053	World Literary Masterpieces, 1600 to Present	3
ENG 2073	Mythology	3
ENG 3043	Drama	3
ENG 4433	Topics in World Literature	3
FS 2003	Diversity in Contemporary Families: A Global Perspective	3
FS 3523	The Care and Education of Children: A Global Perspective	3
FT 3043	Global Production and Trade	3
FT 4083	Global Perspectives of Dress and Adornment	3
GOV 3513	Japanese Culture and Politics	3
GOV 4523	American Foreign Policy	3
GOV 4613	Comparative Government: Western Europe	3
GOV 4633	Comparative Government: Africa and Asia	3
HIST 2013	Survey of World Civilization to 1715	3
HIST 2023	Survey of World Civilization Since 1715	3
HIST 3213	History of Law and Justice	3
HIST 3763	History of Colonial Latin America	3
HIST 4233	Global Issues and Trends	3
HS 2813	Introduction to Global Health	3
MU 3713	Music and World Cultures	3
SCI 2103	Introduction to Environmental Chemistry: Global Perspectives	3
SCI 3153	History of Modern Science	3
SOCI 1013	Introductory Sociology	3
SOCI 3083	Population Dynamics	3
SOCI 3303	Cultural Anthropology	3
SOCI 3483	Developing Societies	3
WS 2013	Gender and Social Change: An Introduction to Multicultural-Women's Studies	3
Total Semester Credit Hours		87

Sociology Courses

SOCI 1013. Introductory Sociology. (TCCN SOCI 1301) Basic concepts, theoretical orientations, research, and applications in sociology. Survey U.S. and global contexts of social organization, culture, socialization, institutions, populations, and society diversity. Examines basic sociological ideas of social interaction, structure, and change in the U.S. and globally. Three lecture hours a week. Credit: Three hours.

SOCI 1023. Current Social Problems. (TCCN SOCI 1306) Examines linkages between personal problems, social problems, and social policy. Critical analysis of problems such as inequality, health care, substance abuse, the environment, family violence, etc. as these relate to societal conditions. Three lecture hours a week. Credit: Three hours.

SOCI 1413. Culture, Inequality, and Self. Human behavior as affected by culture, social institutions, class, ethnicity, and interpersonal relations. Three lecture hours a week. Credit: Three hours.

SOCI 2023. Marriage, Family, and Intimate Relationships. (TCCNS SOCI 2301) Overview of the structural, developmental, functional, and institutional aspects of marriage, intimate relationships, and the family. Changes in family patterns and racial, cultural, and ethnic diversity in families. Three lecture hours a week. Credit: Three hours.

SOCI 2133. Crime in America. (TCCN CRIJ 1307, SOCI 2336) U.S. crime problems in sociological perspective; public policies affecting crime; impact of inequality, race, and gender on crime; crime trends; crime patterns; theories of criminal behavior; prevention of crime. Three lecture hours a week. Credit: Three hours.

SOCI 2213. Introduction to Criminal Justice. History and philosophy of criminal justice and ethical considerations; crime defined: its nature and impact; overview of criminal justice system; law enforcement; court system; prosecution and defense; trial process; corrections. Three lecture hours a week. Credit: Three hours.

SOCI 3003. Theories of Crime and Deviance. Examination of leading theories of crime and deviance. Classical and contemporary theories are reviewed, with particular attention to the context within which each developed. Emphasis is on applications to the study of crime and crime control. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3023. Introduction to Sociological Theory. Historical development of sociological theory, structure and role of theory, sociological theoretical perspectives, and major sociological theories from classics to contemporary sociology. Required of sociology majors. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3043. Deviant Behavior and Social Control. Examines social definitions of deviant behavior; the historial development of knowledge concerning deviance; theories of deviance; and the development, organization, and operation of systems of social control including criminal justice, mental health, and welfare. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3053. Social Research. Introduction to research in the social sciences and practice fields. Emphasizes the decision making involved in planning and executing a study. Gives practice in all stages of the research process. Students are expected to plan and carry out a group or individual research project. Prerequisite or co-requisite: SOCI 3163 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3063. Topics in Urban Sociology. Historical and contemporary developments in urban sociology including the local community. Emphasis will vary depending on current issues and research, such as classical and contemporary theory and research, urban political economy, community organization-development, community relations, and the non-profit sector (community assessment, social activism, and volunteerism). May be repeated for credit as topics vary. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3073. Social Inequality. The study of social inequality in human society, with emphasis on the social class structure of society, its origins, development, and consequences for the society and the individual. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3083. Population Dynamics. Population theories, the use and interpretation of demographic data, population change and policy, relationships between population, and socioeconomic factors. Emphasizes demographic processes and compositions in age, sex, residence, race/ethnicity, socioeconomic status of U.S., and world populations. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3093. Racial and Ethnic Groups in the United States. Sociological perspectives on the dynamics of racial and ethnic relations focusing on social structure, group interaction processes, group inequality, cultural diversity, and gender relations within and between groups. Uses sociological-historical analysis, gendered analysis, social theory/research to study Native Americans, African Americans, Asian Americans, Latinos, and European Americans. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3113. Juvenile Delinquency. The adjustment of youths as they take on the roles and statuses culturally defined for their age group; emphasis on causation, treatment, and prevention of juvenile delinquency; sociological principles for working with youth. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3133. Sociology of Religion. Religious behavior in primitive, folk, and modern societies, religious participations, practices, and control in contemporary society; religion as a social institution and its relation to other institutions. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3153. Sociology of Health and Illness. Introduction to the field of medical sociology. Sociology theories and concepts applied to the field of health care: cultural definitions of illness, social roles of health care personnel, emphasis on input of social research in health care. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3163. Social Statistics. Introduction to basic statistical techniques in the social and behavioral sciences and data analysis using computers. Basic descriptive statistics, measures of central tendency and variation, normal curve, hypothesis testing, t tests, ANOVA, chi square test, measures of association, regression and correlation. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3193. The Mexican American in Contemporary Society. A sociological analysis of Mexican American history, heritage, and people, and of their contributions to American life. Focus on the political, social, and cultural forces that affect this group in the United States. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3213. Women's Roles. Women's roles are examined in the context of social institutions such as the family, the economy, and the government. Implications of sexual inequality; changing gender roles; and diversity by race, ethnicity, class, and age. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3223. Women, Crime, and Justice. Introduction to gender, crime, and justice. Focus on women as offenders, as crime victims, and as employees in criminal justice. Feminist and critical perspectives on women, girls, and crime. Issues of gender inequality in criminal justice policy and practice. Prerequisite: SOCI 1013, SOCI 3213, WS 3213, WS 2013, or WS 3023. Three lecture hours a week. Credit: Three hours.

SOCI 3273. World Regional Geography. (TCCN GEOG 1303) Introduction to major concepts in geography. Criteria for definition of regions. Survey of world cultural regions with emphasis on factors (physical, demographic, economic, political) affecting level of development and patterns of regional interaction. This course will not satisfy sociology requirement for the baccalaureate degree. Three lecture hours a week. Credit: Three hours.

SOCI 3293. Asian Americans. Survey of major Asian American groups: Chinese, Japanese, Filipinos, Koreans, Asian Indians, and Indochinese. Emphasis on origin, culture, immigration history, adaptation experience, and current status. Sociological perspectives related to Asian American experiences and issues. Three lecture hours a week. Credit: Three hours.

SOCI 3303. Cultural Anthropology. Description and analysis of human cultures: the socially learned traditions of past and present ages. Global and comparative perspective for understanding the origin and prospects of societies in the modern world. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3423. Individual and Society. Sociological research on the relationship between individuals and society; current theoretical perspectives including symbolic interactionism, role theory, and dramaturgy; includes personality and social structure, socialization, deviance, and sociological research on the self. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3483. Developing Societies. Survey of global development issues: definitions and theoretical perspectives. Case studies from varied world regions illustrate development strategies and outcomes. Examines role of international organizations and policies. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 3523. Internet and Society. Social, economic, political, and cultural impact of the internet and electronic communication technology. Topics including social networking, cybercapitalism, internet crime, privacy, surveillance, and internet regulation. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 4013. The Family. A sociological and feminist analysis of the family as an institution and dynamics of the interpersonal relations of marriage and family. Examines cultural diversity among families as well as historical changes in the family and the impact of social policy. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 4023. Sexualities and Identities: Lesbian, Gay, Bisexual, and Transgender Studies. Sexuality as an identity formation, social category, and theoretical construct. Interdisciplinary in focus and foundation. Aesthetic, cultural, historical, and institutional discourses that frame our contemporary understandings of sexuality. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 4043. Law and Society. Sociological analysis of the relationship between law and society. Examination of legal institutions, law and social structure, law and social change, and sociological theories and research. Prerequisite: SOCI 1013 for Sociology and Criminal Justice majors. Three lecture hours a week. Credit: Three hours.

SOCI 4053. Race, Crime, and Justice. Relationships between crime, criminal justice, and racial/ethnic minorities. Issues of racial and ethnic inequality in criminal justice policy and practice. Examination of current controversies. Prerequisite: SOCI 1013 for Sociology and Criminal Justice majors. Three lecture hours a week. Credit: Three hours.

SOCI 4083. Comparative Criminal Justice. Sociological analysis of world legal and criminal justice systems. Examination of systems of law, organization of police, courts, and correctional systems. Three lecture hours a week. Credit: Three hours.

SOCI 4103. Senior Seminar: Theory and Practice. Selected theories and concepts with emphasis on application in social organizations, occupations, research, and social policy. State of the discipline, professional ethics, preparations for job market and/or graduate school. Prerequisites: SOCI 3023, SOCI 3053, and senior standing. Three lecture hours a week. Credit: Three hours.

SOCI 4203. Family Violence and Sexual Assault. Examines the various forms of family violence and sexual assault with an emphasis on women as victims and as survivors. Theoretical explanations, research literature, treatment, and prevention will be studied in relation to child abuse, battering, incest, and sexual assault. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 4303. Correctional Systems and Practices. Corrections in the criminal justice system; organization of correctional systems; role of criminal justice practitioners; institutional operations; alternatives to incarceration; treatment and rehabilitation; current and future issues. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 4403. Community Corrections. Sociological study of community corrections including probation, parole, and intermediate sanctions. Examination of contemporary practices and trends in community corrections. Three lecture hours a week. Credit: Three hours.

SOCI 4603. Sociology of Disasters. Sociological study of disaster events. Social factors affecting vulnerability and disaster response. Case studies of major disasters. Relationship of disasters to social change. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 4903. Special Topics. Topics of timely interest or importance but not included or adequately covered in the present inventory of courses. May be repeated for credit when topic varies. Prerequisite: SOCI 1013 for Sociology majors. Three lecture hours a week. Credit: Three hours.

SOCI 4911. Independent Study. A focused, independent study. Prerequisite: SOCI 1013 for Sociology majors. Credit: One hour.

SOCI 4913. Independent Study. A focused, independent study. A contractual agreement between a student and an instructor who agrees to supervise the work and engage in one-on-one instruction. Research projects or concentrated reading are examples of appropriate independent study. Prerequisite: SOCI 1013 for Sociology majors. Credit: Three hours.

SOCI 4953. Internship. Practical experience and supervised training in a work environment consistent with student's major and career goals. Pass-Fail grade only. Prerequisite: SOCI 1013 for Sociology majors. Thirteen practicum hours a week. Credit: Three hours.

SOCI 4956. Internship. Practical experience and supervised training in a work environment consistent with student's major and career goals. Pass-Fail grade only. Prerequisite: SOCI 1013 for Sociology majors. 26 practicum hours a week. Credit: Six hours.

Social Work Courses

SOWK 1403. Introduction to Social Welfare Policies and Services. (TCCN SOCW 2361) Examination of U.S. social welfare systems in historical, social, political, and cultural contexts. Emphasis on social science methods to critically analyze social problems and the various service and policy responses to them. Co-requisite: SOWK 1411. Three lecture hours a week. Credit: Three hours.

SOWK 1411. Social Work Praxis Lab. An opportunity to gain familiarity with the helping process through a 30 hour volunteer work experience in an approved social service agency. Journal keeping, agency analysis, and structured reflection provide insight into client populations and various helping roles in a professional setting. Prerequisite or Co-requisite: SOWK 1403 or permission of instructor. Two laboratory hours a week. Credit: One hour.

SOWK 1413. Culture, Inequality, and Self. Human behavior as affected by culture, social institutions, class, ethnicity, and interpersonal relationships. Three lecture hours a week. Credit: Three hours.

SOWK 2813. Human Behavior and the Social Environment. Uses a wide range of perspectives - biological, psychological, and social/environmental to examine the dynamics of human behavior. Emphasizes ecological systems in relation to individuals' needs and capacities throughout the life cycle. Three lecture hours a week. Credit: Three hours.

SOWK 3053. Social Research. Introduction to research in the social sciences and practice fields. Emphasizes the decision making involved in planning and executing a study. Gives practice in all stages of the research process. Students are expected to plan and carry out a group or individual research project. Three lecture hours a week. Credit: Three hours.

SOWK 3221. Social Work Practice I Laboratory. Application of social work practice skills with emphasis on assessment of individual functioning. Use of video lab. Co-requisite: SOWK 3223. Two laboratory hours a week. Credit: One hour.

SOWK 3223. Social Work Practice I. Theory and process for generalist social work practice. With a person-in-environment focus, study includes development of the helping relationship, skills in interviewing and data-gathering, assessment, selecting and carrying out appropriate types of intervention at multiple levels, termination, and evaluation. Co-requisite: SOWK 3221. Three lecture hours a week. Credit: Three hours.

SOWK 3231. Social Work Practice II Laboratory. Application of social work practice skills with emphasis on assessment of individual and family functioning. Use of video lab. Prerequisites: SOWK 3221 and SOWK 3223. Co-requisite: SOWK 3233. Two laboratory hours a week. Credit: One hour.

SOWK 3233. Social Work Practice II. Continuation of theory and process for generalist social work practice. Builds on content from SOWK 3223, including further development of interviewing, assessment, and recording skills. Includes in-depth study of small group and family dynamics, skills, and techniques in mediation and leadership, evaluation of intervention effectiveness at multiple levels. Prerequisites: SOWK 3223 and SOWK 3221. Co-requisite: SOWK 3231. Three lecture hours a week. Credit: Three hours.

SOWK 3241. Social Work Practice III Laboratory. Application of social work practice skills with emphasis on assessment of community needs and resources. Prerequisite: SOWK 3223 and SOWK 3221, Co-requisite: SOWK 3243. Two laboratory hours a week. Credit: One hour.

SOWK 3243. Social Work Practice III. Social work intervention at multiple levels with emphasis on situations where there is a lack of fit between individuals or groups, and organizations or institutions. Builds on content in SOWK 3223 and SOWK 3233, skills in data gathering, assessment, planning, report writing, and evaluation. Preparation for generalist social work practice with focus on roles of advocate, evaluator, planner, and consultant. Examines delivery of service for at-risk populations. Prerequisites: SOWK 3221 and SOWK 3223. Co-requisite: SOWK 3241. Three lecture hours a week. Credit: Three hours.

SOWK 3453. Children's Rights and Services. An exploration of the customary and legal rights of children with a focus on social and political forces. Social services available in income maintenance, schools, day care, institutional care, foster care, homemaker service, protective services, and to teenage parents. Three lecture hours a week. Credit: Three hours.

SOWK 3483. Developing Societies. Survey of global development issues: definitions and theoretical perspectives. Case studies from varied world regions illustrate development strategies and outcomes. Examines role of international organizations and policies. Three lecture hours a week. Credit: Three hours.

SOWK 3813. Human Behavior in Social Environment II. Examines systems of all sizes, from families to broad social institutions; extends theories and principles from SOWK 2813 to analyze social and economic injustice and systems of oppression; application of social work skills and values to ameliorate these conditions in a complex and diversified society. Prerequisite: SOWK 2813. Three lecture hours a week. Credit: Three hours.

SOWK 4433. Social Issues, Programs, and Policies. An examination of the policy-making process. Current social issues, programs, and public policy issues are explored. Intervention techniques aimed at influencing and changing social welfare and public policies. Prerequisites: SOWK 1403, SOWK 2413, and six additional hours of social work courses. Three lecture hours a week. Credit: Three hours.

SOWK 4463. Social Work Integrative Seminar. Provides an opportunity to discuss and process the field practicum experience. Prerequisites: Completion of all course work, cumulative grade point average of 2.5 or above, minimum program GPA of 2.75, a grade of C or higher in all SOWK courses, and permission of the social work faculty. Co-requisite: SOWK 4469. Three lecture hours a week. Credit: Three hours.

SOWK 4469. Social Work Field Practicum. Provides students with a supervised social work experience in an agency setting. Prerequisites: Completion of all course work, cumulative grade point average of 2.5 or above, minimum program GPA of 2.75, a grade of C or higher in all SOWK courses, and permission of the social work faculty. Co-requisite: SOWK 4463. Thirty-two practicum hours a week. Credit: Nine hours.

SOWK 4903. Special Topics. Three lecture hours a week. Credit: Three hours.

SOWK 4911. Independent Study. Credit: One hour.

SOWK 4913. Independent Study. Credit: Three hours.

Faculty

Professors

LO, CELIA, Professor of Sociology; Chair of the Department of Sociology and Social Work. B.S., Hong Kong Shue Yan University; M.A., University of Alabama; Ph.D., University of Alabama.

SADRI, MAHMOUD, Professor of Sociology. B.A., University of Teheran : Teheran, Iran; M.A., University of Teheran : Teheran, Iran; Ph.D., New School for Social Research.

SANDEL, MARK H., Professor and Program Director of Social Work. B.S., University of North Texas; M.S.W., University of Texas at Arlington.

WILLIAMS, JAMES L., Professor of Sociology. A.B., University of Georgia; M.A., University of Georgia; M.A.Ed., Western Carolina University; Ph.D., University of Georgia.

YANG, PHILIP Q., Professor of Sociology. B.A., Zhongshan University : China; M.A., University of California, Los Angeles; Ph.D., University of California, Los Angeles.

Associate Professors

BRACKENRIDGE, SANDRA, Associate Professor of Social Work. B.A., Newcomb College of Tulane University; M.S.W., Tulane University.

MARSHALL, LINDA L., Associate Professor of Social Work. B.A., Texas Tech University; M.S.S.W, University of Texas at Arlington; Ph.D., Texas Woman's University.

TILTON, ABIGAIL C., Associate Professor of Social Work; Associate Dean of the College of Arts and Sciences. B.S.W., University of North

Texas; M.S.S.W., University of Texas at Arlington; Ph.D., University of North Texas.

Assistant Professors

GULLION, JESSICA S., Assistant Professor of Sociology. B.A., Texas Tech University; M.A., Southwest Texas State University; Ph.D., Texas Woman's University.

KELLY-RICKS, NILA N., Assistant Professor of Social Work. B.S., Oklahoma State University; M.S.W., University of Oklahoma; Ph.D., University of Texas at Arlington.

RUNNELS, RATONIA C., Assistant Professor of Social Work. B.A., University of Texas at Austin; M.S., University of Texasat Austin; Ph.D., University of Texas at Austin.

Bachelor of Science in Criminal Justice

The Department of History and Government offers the BS degree with a major in Criminal Justice. The Criminal Justice Program is offered in partnership with the Department of Sociology and Social Work.

For complete information about the major in Criminal Justice, please see the Criminal Justice Program (p. 76) section of this catalog.

Bachelor of Science in Sociology

Total Semester Credit Hours Required

120 semester credit hours.

Major

36 semester credit hours.

General Description

The sociology curriculum is designed to give students a broad education while preparing them for work and practice in a variety of fields. A wide array of courses provides training in research methods and techniques; insight into class, racial-ethnic and gender inequality; group differences; understanding of social organizations, social forces, and group processes; and skills to be used in working with individuals or groups. The curriculum builds a background for any occupation that involves working with people and/or social organizations. The sociology program can prepare students to teach sociology in the public schools and to do research, practice, or other work with private or governmental agencies. Sociology provides an invaluable background for graduate study and for careers in business, public service, law, medicine, and other helping professions. Opportunities for practical work experience are provided through the University's Internship Program.

Requirements for B.S. in Sociology (including core curriculum)

Section 10 (Communication) 6 hours
Section 20 (Mathematics) 3 hrs
Section 30 (Life and Physical Sciences) 6 hours
Section 40 (Language, Philosophy and Culture) 3 hours
Section 50 (Creative Arts) 3 hours
Section 60 (American History) 6 hours
Section 70 (Government/Political Science) 6 hours
Section 80 (Social Behavioral Sciences) 3 hours
Section 90 (Component Area Option) 6 hours (3 hours from a Women's Studies Course, and 3 hours from either First Year Seminar, Mathematics, or Wellness)

Bachelor of Science in Sociology Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Life/Physical Sciences Core			3
Creative Arts Core			3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness or Mathematics CAO Core			2
	Semester Credit Hours		15
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Life/Physical Sciences Core			3
Multicultural Women's Studies CAO Core			3
Elective			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
SOCI 1013 (GP)	Introductory Sociology	SOCI 1301	3
Language, Philosophy, and Culture Core			3
Social/Behavioral Sciences Core			3
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3

Sociology Elective			3
Elective			3
Elective			3
Mathematics Core			3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
SOCI 3023	Introduction to Sociological Theory		3
SOCI 3053	Social Research		3
Sociology Elective (advanced)			3
Elective (advanced)			3
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
SOCI 3163	Social Statistics		3
Sociology Elective			3
Elective			3
Elective			3
Elective			3
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
SOCI 4103	Senior Seminar: Theory and Practice		3
Elective			3
Sociology Elective (advanced)			3
Elective (advanced)			3
Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
Sociology Elective (advanced)			3
Sociology Elective (advanced)			3
Electives (advanced)			9
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

B.S. in Sociology (Social Inequality Concentration)

Total Semester Credit Hours Required

120 semester credit hours.

Major

33 semester credit hours.

General Description

The sociology curriculum is designed to give students a broad education while preparing them for work and practice in a variety of fields. A wide array of courses provides training in research methods and techniques; insight into class, racial-ethnic and gender inequality; group differences; understanding of social organizations, social forces, and group processes; and skills to be used in working with individuals or groups. The curriculum builds a background for any occupation that involves working with people and/or social organizations. The sociology program can prepare students to teach sociology in the public schools and to do research, practice, or other work with private or governmental agencies. Sociology provides an invaluable background for graduate study and for careers in business, public service, law, medicine, and other helping professions. Opportunities for practical work experience are provided through the University's Internship Program.

Requirements for B.S. in Sociology (including core curriculum)

Section 10 (Communication) 6 hours
Section 20 (Mathematics) 3 hrs
Section 30 (Life and Physical Sciences) 6 hours
Section 40 (Language, Philosophy and Culture) 3 hours
Section 50 (Creative Arts) 3 hours
Section 60 (American History) 6 hours
ection 70 (Government/Political Science) 6 hours
Section 80 (Social Behavioral Sciences) 3 hours
Section 90 (Component Area Option) 6 hours (3 hours from a Women's Studies Course, and 3 hours from either First Year Seminar, Mathematics, or Wellness)

Bachelor of Science in Sociology (Social Inequality Concentration) Program of Study

Freshman			
Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Life/Physical Science Core			3
Creative Arts Core			3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness or Mathematics CAO Core			2
	Semester Credit Hours		15

Spring		TCCN	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Life/Physcial Science Core			3
Multicultural Women's Studies CAO Core			3
Elective			3
	Semester Credit Hours		15

Sophomore

Fall		TCCN	
GOV 2013	U.S. National Government	GOVT 2305	3
SOCI 1013 (GP)	Introductory Sociology	SOCI 1301	3
Language, Philosophy, & Culture Core			3
Social/Behavioral Science Core			3
Elective			3
	Semester Credit Hours		15

Spring		TCCN	
GOV 2023	Texas Government	GOVT 2306	3
Elective			3
Elective			3
Mathematics Core			3
Elective			3
	Semester Credit Hours		15

Junior

Fall		TCCN	
SOCI 3023	Introduction to Sociological Theory		3
SOCI 3053	Social Research		3
SOCI 3073	Social Inequality		3
Advanced Sociology Elective			3
SOCI 3093	Racial and Ethnic Groups in the United States		
SOCI 3193	The Mexican American in Contemporary Society		
SOCI 3213	Women's Roles		
SOCI 3223	Women, Crime, and Justice		
SOCI 4023	Sexualities and Identities: Lesbian, Gay, Bisexual, and Transgender Studies		
SOCI 4053	Race, Crime, and Justice		
Elective			3
	Semester Credit Hours		15

Spring		TCCN	
SOCI 3163	Social Statistics		3
Advanced Sociology Elective			3
SOCI 3093	Racial and Ethnic Groups in the United States		
SOCI 3193	The Mexican American in Contemporary Society		
SOCI 3213	Women's Roles		
SOCI 3223	Women, Crime, and Justice		
SOCI 4023	Sexualities and Identities: Lesbian, Gay, Bisexual, and Transgender Studies		
SOCI 4053	Race, Crime, and Justice		
Elective			3
Elective			3
Elective			3
	Semester Credit Hours		15

Senior

Fall		TCCN	
SOCI 4103	Senior Seminar: Theory and Practice		3
Advanced Sociology Elective			3
SOCI 3093	Racial and Ethnic Groups in the United States		
SOCI 3193	The Mexican American in Contemporary Society		
SOCI 3213	Women's Roles		
SOCI 3223	Women, Crime, and Justice		

SOCI 4023	Sexualities and Identities: Lesbian, Gay, Bisexual, and Transgender Studies	
SOCI 4053	Race, Crime, and Justice	
Elective		3
Advanced Elective		3
Elective		3
	Semester Credit Hours	15
Spring	**TCCN**	
Advanced Sociology Elective		3
Advanced Sociology Elective		3
Advanced Sociology Elective		3
Advanced Elective		3
Elective		3
	Semester Credit Hours	15
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Social Work

Total Semester Credit Hours Required

120 semester credit hours.

Major

52 semester credit hours.

General Description

The Baccalaureate Social Work (B.S.W.) program at Texas Woman's University was begun in 1946 and is accredited by the Council on Social Work Education. The B.S.W. degree prepares majors for the beginning level of professional social work practice. Career choices include those in medical settings, children's and family services, youth work, community mental health, public welfare, geriatrics, policy development, agency administration, and emergency services. Requirements for admission to the Social Work program include: completion of the social work program application form, approval by the Social Work Admissions Review Committee, a minimum grade point average of 2.5, and enrollment in or completion of four foundation courses.

The curriculum is organized around five areas of study: human behavior and the social environment, social welfare and social policy, methods and skills of intervention, research, and field experience. Content on values and ethics, diversity, populations at risk, and social and economic justice is infused throughout the curriculum. Students are provided with field experience by means of a 416-semester credit hour (minimum) block placement in area social service agencies, under the direct supervision of a qualified social worker.

In addition to the University core curriculum requirements, the B.S.W. degree requires a total of 120 semester credit hours with 52 semester credit hours in Social Work. Departmental requirements include Speech 1013, Psychology 1013, Sociology 1013 or 1023, and Women's Studies 2013. Math 1713 is also required unless students transfer to TWU core complete with 6 hours of math. A grade of C or above must be earned in all required social work and sociology courses while maintaining a minimum overall GPA of 2.50. The student may select, with help from the academic advisor, electives complementary to career goals and interests. Students earning the B.S.W. degree at TWU are eligible to apply for state social work licensure and qualify for advanced standing in most M.S.W. programs.

Bachelor of Social Work Program of Study

Special note: The first two years of study are comprised of general electives and core courses. Students may take these courses in any sequence. Beginning in year three, students begin the Social Work sequence as part of a cohort and progress through the program as a cohort. Social Work courses are rigidly sequenced. Students must complete all courses in a semester before beginning any courses in the next semester. Formal applications for admission to the Social Work Program are submitted during the first semester of social work courses .

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Life/Physical Sciences Core			3
Wellness/Mathematics CAO Core			3
PSY 1013	Introduction to General Psychology	PSYC 2301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Life/Physical Sciences Core			3
GOV 2013	U.S. National Government	GOVT 2305	3
Elective			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
Language, Philosophy, and Culture Core			3
GOV 2023	Texas Government	GOVT 2306	3
General Elective			3
SPCH 1013	Oral Communication	SPCH 1311	3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
	Semester Credit Hours		15

Spring		**TCCN**	
General Elective			3
WS 2013 (GP)	Gender and Social Change: An Introduction to Multicultural-Women's Studies		3
General Elective			3
Creative Arts Core			3
SOCI 1013 or 1023	Introductory Sociology	(SOCI 1301) or (SOCI 1306)	3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
SOWK 1403	Introduction to Social Welfare Policies and Services	SOCW 2361	3
SOWK 1411	Social Work Praxis Lab		1
SOWK 2813	Human Behavior and the Social Environment		3
SOWK 4903 (.02 Culturally Competent Practice)	Special Topics		3
SOWK Elective			3
General Elective			3
	Semester Credit Hours		16

Spring		**TCCN**	
SOWK 3223	Social Work Practice I		3
SOWK 3221	Social Work Practice I Laboratory		1
SOWK 3813	Human Behavior in Social Environment II		3
MATH 1713	Elementary Statistics II		3
SOWK 4903 (.03 Vulnerable Pops)	Special Topics		3
Social Work Elective			3
	Semester Credit Hours		16

Fourth Year

Fall		**TCCN**	
SOWK 3233	Social Work Practice II		3
SOWK 3231	Social Work Practice II Laboratory		1
SOWK 3243	Social Work Practice III		3
SOWK 3241	Social Work Practice III Laboratory		1
SOWK 4433	Social Issues, Programs, and Policies		3
SOWK 3053	Social Research		3
Elective			1
	Semester Credit Hours		15

Spring		**TCCN**	
SOWK 4463	Social Work Integrative Seminar		3
SOWK 4469	Social Work Field Practicum		9
	Semester Credit Hours		12
	Total Semester Credit Hours:		120

NOTE: Sequencing of core course and general electives is flexible.

(GP) courses satisfy global persectives graduation requirement.

Department of Multicultural Women's and Gender Studies

Web Site: http://www.twu.edu/ws/

Interim Chair: *Dr. Mark Kessler*
Location: *HDB 307*
Telephone: *940-898-2119*
Fax: *940-898-2101*
E-mail: *womenstudies@twu.edu*

The Department of Multicultural Women's and Gender Studies offers an undergraduate minor, a concentration area for the Bachelor of General Studies degree, a Master of Arts degree, a Graduate Certificate, and a Doctor of Philosophy degree.

An interdisciplinary, cross-cultural field of study, Multicultural Women's and Gender Studies promotes understanding of the diversity of women's lives as they are intersected by race, ethnicity, nationality, age, class, sexuality, religion, and disability. Multicultural Women's and Gender Studies also uses multiple critical lenses to expand and question existing modes of knowledge and power. It provides a curriculum grounded in diverse feminist theories, methodologies, and ethics; promotes interdisciplinary scholarly endeavors; and seeks to prepare leaders with skills for negotiating change in academic and community settings.

At the graduate level, the Department offers the only freestanding Master of Arts degree in Women's and Gender Studies in the Dallas/Ft. Worth region and the only Ph.D. degree in Women's and Gender Studies in Texas. (For further information, see the Graduate Catalog (http://catalog.twu.edu/graduate) and visit the Department's web site: www.twu.edu/ws/).

Minors

Minor in Multicultural Women's and Gender Studies

The Multicultural Women's and Gender Studies minor enables students to integrate diverse perspectives and combine a traditional major with an exploration of women and gender, as they intersect with class, "race," ethnicity, culture, region, religion, and sexuality. The minor is based on an interdisciplinary approach with courses offered in a variety of disciplines. Minors are required to take:

Semester Credit Hours Required (18 SCH)	
WS 2013	Gender and Social Change: An Introduction to Multicultural-Women's Studies
WS 3023	U.S. Women of Colors
WS 4493	Feminist Theory
3 other Multicultural Women's and Gender Studies courses of their choice	

See the Undergraduate (http://www.twu.edu/ws/undergraduate-program.asp) Program (http://www.twu.edu/ws/undergraduate-program.asp) page on the Women's Studies website for further information on guidelines and contact information.

Courses

WS 2013. Gender and Social Change: An Introduction to Multicultural-Women's Studies. Introduction to multicultural-women's studies as an interdisciplinary field and how gender, "race," class, nationality, sexuality, disability, and other identity categories shape human experiences. Examination of social institutions, norms, and practices for their impact on the status and roles of women; visions and strategies for social transformation. Three lecture hours a week. Credit: Three hours.

WS 2033. Womanist Spiritual Activism: Social Justice Theories for Wellness and Transformation. Introduction to interrelated roles of spiritual practice, imagination, and creativity in personal well-being and struggles for social justice. Multicultural, indigenous, and womanist approaches to wellness and social change. Three lecture hours a week. Credit: Three hours.

WS 2053. Women and Minorities in Engineering, Mathematics, and Science. Examines reasons why women and minorities are traditionally under-represented in the areas of engineering, mathematics, and science and includes strategies for increasing their representation. Introduction to problem-solving strategies, useful for any discipline, which emphasize solutions incorporating both current and emerging technologies. Three lecture hours a week. Credit: Three hours.

WS 2383. Gendered Images in Dance and Performance. Survey of the development of gendered images in various dance genres and events embedded in U.S. culture and how movement expression inscribes markers of identity such as gender, race, ethnicity, and sexuality in their inscription on the body in performance. Three lecture hours a week. Credit: Three hours.

WS 2393. Introduction to Literature by Women. Introduction to important works of literature by women. May be organized by theme, topic, genre, ethnic group, or nationality. Three lecture hours a week. Credit: Three hours.

WS 2703. Gender and Education. An interdisciplinary examination of the relationship between gender and education in the U.S. Explores how gender relationships are created, maintained, enacted, and transformed through educational structures, practices, and institutions. Three lecture hours a week. Credit: Three hours.

WS 3023. U.S. Women of Colors. Multidisciplinary, relational explorations of the histories, theories, cultures, and lives of U.S. women from a wide variety of ethnic/cultural backgrounds. Themes of agency, survival, resistance, and transformation. May be repeated for credit when topics vary. Three lecture hours a week. Credit: Three hours.

WS 3063. Women in Politics. Impact of gender on power and influence in society; political socialization, participation, and leadership of women; women's political issues and movements. Prerequisite: Three hours of government or consent of instructor. Three lecture hours a week. Credit: Three hours.

WS 3073. Literature by Women. Advanced examination of literature by women. Organized by theme, topic, or genre. Prerequisite: 9 hours of English. Three lecture hours a week. Credit: Three hours.

WS 3083. Ethics and Feminism. A comprehensive study of the literature, principles, and linguistic impact of contemporary ethics with special emphasis on the origins, authors, and audiences related to feminist philosophy. Three lecture hours a week. Credit: Three hours.

WS 3163. The Evolving Woman. Emphasizes the physiological, psychological, socio-cultural, and developmental evolution of the female from conception to death. Focuses on issues of each age group from a feminist perspective. Prerequisites: ZOOL 2011, ZOOL 2013, ZOOL 2021, and ZOOL 2023. Three lecture hours a week. Credit: Three hours.

WS 3193. Women and Western Religions. Women's religious roles and contributions to religious traditions with emphasis on Judaism, Christianity, and Islam; interconnections between religion and gender, race/ethnicity, sexuality, and culture; and feminist/womanist critiques and transformations of Western religious traditions. Three lecture hours a week. Credit: Three hours.

WS 3213. Woman's Roles. Women's roles are examined in the context of social institutions such as the family, the economy, and the government. Implications of sexual inequality, changing gender roles, and diversity by race, ethnicity, class, and age. Three lecture hours a week. Credit: Three hours.

WS 3223. Women, Crime, and Justice. Introduction to gender, crime, and justice. Focus on women as offenders, as crime victims, and as employees in criminal justice. Feminist and critical perspectives on women, girls, and crime. Issues of gender inequality in criminal justice policy and practice. Prerequisite: SOCI 1013, SOCI 3213 or WS 3213, WS 2013, or WS 3023. Three lecture hours a week. Credit: Three hours.

WS 3343. Women in the Visual Arts. A survey of women visual artists of the western world and how their roles relate to those of women visual artists around the world. An analysis, from a traditional and a feminist point of view, of the recording of the female artist's place in history. Three lecture hours a week. Credit: Three hours.

WS 3393. Law for Women. Impact of gender on legal status; evolution of the current legal environment, with an emphasis on parallels between racial and gender discrimination; substantive law regarding working conditions, compensation, education, the family, reproductive rights, and criminal law; feminist perspectives on legal reforms to improve the professional and personal lives of women and men. Three lecture hours a week. Credit: Three hours.

WS 3703. Women in Music. An examination of music from the historical, cultural, and contemporary perspectives of women. Topics will include women as composers and performers, and the cultural values that have affected women's participation in musical life. Three lecture hours a week. Credit: Three hours.

WS 3733. Psychology of Women. Issues in the development and behavior of women, including theoretical perspectives, male-female differences, achievement, motivation, stereotypes, androgyny, sexuality, career choices, mental health and disorder, psychotherapy, life-span, and special sub-groups. Three lecture hours a week. Credit: Three hours.

WS 4013. Texts, Trends, and Issues in Women's Studies. Focuses on contemporary women's issues, a body of research or scholarly work relevant to women or topics of a specialized nature such as women and health, women and leadership, women and work, or women of color. May be repeated for credit when the topic varies. Three lecture hours a week. Credit: Three hours.

WS 4023. Sexualities and Identities: Lesbian, Gay, Bisexual, and Transgender Studies. Sexuality as an identity formation, social category, and theoretical construct. Interdisciplinary in focus and foundation. Aesthetic, cultural, historical, and institutional discourses that frame our contemporary understandings of sexuality. Three lecture hours. Credit: Three hours.

WS 4113. The Family. A sociological and feminist analysis of the family as an institution and of the processes and dynamics of the interpersonal relations of marriage and family life. Three lecture hours a week. Credit: Three hours.

WS 4203. Family Violence and Sexual Assault. Examines the various forms of family violence and sexual assault with an emphasis on women as victims and as survivors. Theoretical explanations, research literature, treatment, and prevention will be studied in relation to child abuse, battering, incest, and sexual assault. Three lecture hours a week. Credit: Three hours.

WS 4493. Feminist Theory. Explores the diversity of feminist theories and their applications to the social, political, and intellectual contexts of women's lives. Includes consideration of historical context for the development of the theoretical perspectives and critiques their analytical strengths and weaknesses. Attention also given to particular theorists. Prerequisite: WS 2013. Three lecture hours a week. Credit: Three hours.

WS 4913. Independent Study. Individual study of topics in feminist theory, scholarship, or practical areas consistent with student interests and needs. Contract between student and professor expected. Prerequisite: Minor in Women's Studies and instructor's approval. Credit: Three hours.

Faculty

Professors

KEATING, ANALOUISE, Professor of Multicultural Women's and Gender Studies. B.A., Wheaton College; M.A., University of Illinois at Chicago; Ph.D., University of Illinois at Chicago.

KESSLER, MARK, Professor of Multicultural Women's and Gender Studies. B.A., University of Pittsburgh; M.A., Pennsylvania State University; Ph.D., Pennsylvania State University.

SAHLIN, CLAIRE L., Cornaro Professor of Multicultural Women's and Gender Studies; Associate Dean of the College of Arts and Sciences. B.A., Bethel College : St. Paul, Minnesota; M.T.S., Harvard Divinity School; M.A., Harvard University; Ph.D., Harvard University.

Assistant Professors

BEINS, AGATHA, Assistant Professor of Multicultural Women's and Gender Studies. B.A., Carleton College; M.A., University of Arizona; M.F.A., Eastern Washington University; Ph.D., Rutgers University.

PHILLIPS, DANIELLE, Assistant Professor of Multicultural Women's and Gender Studies. B.A., Spelman College; Ph.D., Rutgers University.

Program in Fashion and Textiles

Web Site: http://www.twu.edu/fashion

Program Director: *Deborah D. Young, Professor*
Location: *OMB 415*
Phone: *940-898-2661*
Fax: *940-898-2711*
E-mail: *ft@twu.edu*

Undergraduate Degrees Offered

- B.A. in Fashion Design (p. 186)
- B.A. in Fashion Design and B.S. in Fashion Merchandising (p. 188)
- B.A. in Fashion Design and B.B.A. in General Business (Entrepreneurship emphasis (p. 191))
- B.A. in Fashion Design and B.B.A. in Marketing (p. 194)
- B.S. in Fashion Merchandising (Management emphasis with Marketing minor (p. 196))
- B.S. in Fashion Merchandising (Planning emphasis with Marketing minor (p. 198))
- B.S. in Fashion Merchandising and B.B.A. in General Business (Entrepreneurship emphasis (p. 200))
- B.S. in Fashion Merchandising and B.B.A. in Management (p. 203)
- B.S. in Fashion Merchandising and B.B.A. in Marketing (p. 205)

Fashion and Textiles offers degree programs leading to the Bachelor of Science degree in Fashion Merchandising and the Bachelor of Arts degree in Fashion Design as well as the dual degree program leading to the simultaneous completion of both the B.S. in Fashion Merchandising and the B.A. in Fashion Design. In addition, through a partnership with the School of Management, Fashion and Textiles offers dual degree programs that pair the B.A. in Fashion Design with B.B.A. degrees in General Business - Entrepreneurship or Marketing; and the B.S. in Fashion Merchandising with B.B.A. degrees in Marketing, Management, or General Business - Entrepreneurship. Finally, students that already possess a bachelor's degree, but are interested in pursuing a second degree in either fashion design or fashion merchandising, are encouraged to contact the program to learn more about specific post-baccalaureate degree opportunities.

Students majoring in Fashion Merchandising or Fashion Design at TWU acquire the basic knowledge, skills, and professional contacts that are vital to success in the fast-paced, global textile and apparel industry. The academic programs for the degrees in Fashion Merchandising and Fashion Design emphasize a fashion industry viewpoint through a practitioner-based curriculum that includes courses that focus on product knowledge, product design and development, production, promotion, merchandising and buying, illustration and drawing, and merchandise planning and control. In addition, the industry-based curriculum is supported through a strong liberal arts core of general education courses in communication, language and philosophy, history, government, mathematics, life and social sciences, creative arts, and computer science. Also, each student is required to participate in a professional, full-time internship which provides industry experience in fashion-oriented fields. As a result, the programs emphasize preparing students to enter into and succeed in professional careers in the fashion industry within a dynamic global marketplace.

Faculty members with industry experience and educational background in merchandising, fashion design, or textiles actively teach and conduct research within the department. Fashion and Textiles course offerings are focused on face-to-face delivery through a traditional, daytime schedule because of the hands-on nature of the disciplines and requirements of the courses. In addition, most fashion courses are offered only once or twice a year and many have prerequisites for enrollment. As a result, for appropriate academic and skills-based growth, required courses on fashion program degree plans must be completed in the proper sequence. Information contained within the Fashion and Textiles Courses Offered by Semester (http://www.twu.edu/downloads/OSAP/course-rotations-fashion-textiles.pdf) document allows students to plan for a successful progression through the program. Within the program, students connect with each other through the Fashion and Textiles Association (FTA), the student organization for program majors. Additional information about the program degree offerings, activities, faculty, scholarships, internships, and careers can be found on the TWU Fashion and Textiles webpages (http://www.twu.edu/fashion/default.asp).

Program Location and Facilities

All classes offered by Fashion and Textiles are located on the Denton campus which is located approximately thirty-eight miles north of the extensive Dallas fashion market. This ideal location provides students with easy access to the fashion industry and industry professionals since gaining practical work experience is an important aspect of student success in both undergraduate programs. To gain practical experience, students are encouraged to work in part-time and full-time positions in the industry while enrolled in their undergraduate programs. In addition, all fashion students are required to complete a minimum of 400 on-the-job work hours through a faculty-approved, professional industry internship in a position directly related to their major field of study.

Program facilities for teaching and research are extensive and housed in Old Main Building (http://www.twu.edu/tour/old-main.asp), the original building on the TWU campus. For design courses, laboratories are designed to resemble industry facilities. A new basic sewing lab contains home and industry sewing machines and sergers, irons, dress forms, and cutting tables. The advanced design lab contains a wide variety of different types of industry sewing machines and equipment, industry irons, cutting tables, patterning tables, dress forms, industrial racking systems, and assorted supplies needed in fashion design courses. The fashion sketching lab contains sketching tables, light tables, and a conference table. The new dedicated fashion computer lab is a specialized classroom designed just for Fashion and Textiles that contains multiple student computer stations, an instructor's station, large-bed and laser printers, a scanner, a Lectra industrial digitizer, and a Lectra industrial plotter; Lectra and Adobe software packages are highlighted in the lab. Other featured spaces include traditional classrooms, a textile classroom and lab, display cases and windows for merchandising activities, a photography space, and student project workrooms featuring equipment for creatimg professional visual presentation materials.

Industry Partnerships

The program is a member of the National Retail Federation, (https://nrf.com) the world's largest retail trade association, representing

discount and department stores, home goods and specialty stores, Main Street merchants, grocers, wholesalers, chain restaurants and Internet retailers from the United States and more than 45 other countries. Retail is the largest private sector employer in the U.S., supporting one in four U.S. jobs for 42 million working Americans. TWU Fashion and Textiles is proud to be one of fewer than 60 universities in the U.S. and one of only six universities in Texas to partner with the NRF through the NRF Student Association (https://nrf.com/membership/nrf-membership/nrf-student-association). The NRF Student Association provides talented students interested in retail careers with unique educational and scholarship programs, networking opportunities, job boards, and access to the latest industry news and research. All students enrolled in NRF Student Association (https://nrf.com/membership/nrf-membership/nrf-student-association) member schools are eligible to become NRF Student Association individual members.

The program also is a member of the International Council of Shopping Centers (http://www.icsc.org), the trade association for the retail real estate industry with 55,000 members around the world. ICSC offers college students a student membership (http://www.icsc.org/membership/students) which allows the students to access valuable information and resources about careers in the retailing and shopping center industries.

All of the program faculty are members of the International Textile and Apparel Association (http://itaaonline.org/?), the primary professional organization of industry professionals and scholars interested in the textile and apparel discipline. ITAA is committed to discovery, dissemination, creativity, and leadership and seeks to provide a venue for dissemination of textile and apparel scholarship, including original apparel design. Through an undergraduate student membership (http://itaaonline.site-ym.com/?page=12) in ITAA, each year, fashion design students that are sponsored by an ITAA faculty member are invited to submit proposals to present original design work at the ITAA Annual Conference during the Design Exhibition at the conference.

Finally, an overriding theme in Fashion and Textiles courses, especially upper-level courses, is interaction with industry partners. Field trips, guest speakers and lecturers, design critiques, technique workshops, industry events, community service, service learning, externships, and internships are examples of ways in which TWU fashion students interact with individuals and companies within the fashion industry.

Special Program Requirements

All students majoring or minoring in Fashion Merchandising or Fashion Design are required to earn a grade of "C" or higher in all Fashion and Textiles, Business, and Math courses applied toward the degree, including transfer semester credit hours. All courses that are prerequisites to Fashion and Textiles courses must be completed with a grade of "C" or higher before enrollment in subsequent courses in the Fashion and Textiles course rotation is allowed.

Core Curriculum

Specific Core Curriculum courses suggested for the Fashion Merchandising and Fashion Design degrees are subject to change based on the availability of approved core curriculum courses. Complete University-wide requirements for the Bachelor of Science and the Bachelor of Arts degrees are listed in the Academic Information (p. 45) section of this catalog.

Bachelor of Arts in Fashion Design

General Description

The Fashion Design program provides extensive preparation for individuals seeking industry positions in the design and production components of the fashion industry. Students choosing the fashion design major will design, develop, and construct apparel and related products, while learning about design, product development, apparel construction, fashion sketching, textiles, computer-aided design, pattern making, tailoring, draping, and portfolio and collection development through hands-on projects. An emphasis on the creative and business aspects of the industry prepares graduates to design and develop merchandise for manufacturers, wholesalers, and retailers.

Courses Required

For the bachelor’s degree in Fashion Design, students must complete the university core curriculum courses, major courses, and program-required courses specified on the current program degree plans available in this catalog and from program advisors.

Career Opportunities

Graduates can pursue careers as creative and technical apparel designers and design assistants; pattern makers; sample assistants and makers; production managers; product developers; product managers; quality control and assurance managers; computer-aided design (CAD) system operators; fabric, textile and print designers; brand developers; and fashion coordinators.

Bachelor of Science in Fashion Merchandising

General Description

Students who plan to work in fashion or retail management, selling, or buying should consider the Fashion Merchandising program. Students choosing the major will learn about merchandising, retailing, planning and control, consumer behavior, retail buying, product analysis, and fashion promotion through a variety of fashion and business courses that emphasize hands-on experiential learning projects as well as group and team activities. Graduates will be prepared to buy, promote, and sell merchandise for retailers and wholesalers, and to merchandise, promote, and sell products for manufacturers. Because the skills and knowledge needed for career positions in the fashion industry vary depending on the type of position, two distinct emphases are available for those students pursuing the bachelor's degree in Fashion Merchandising - the Management emphasis and the Planning emphasis. The Management emphasis is designed for those who plan to work in fashion or retail management, selling, or promotion careers, primarily in store environments. The Planning emphasis is designed for those who plan to work in retail buying and merchandise management careers, primarily in corporate environments. Differences in the emphases focus on math and business requirements.

Courses Required

For the bachelor's degree in Fashion Merchandising, students must complete the university core curriculum courses, major courses, minor courses, and program-required courses specified on the current program degree plans available in this catalog and from program advisors.

Career Opportunities

Career opportunities in merchandising and retailing are projected to be good throughout the 21st century. Individuals who are assertive, flexible, and resourceful; like to work with people; and can assume responsibility, make quick decisions, and think clearly have the traits necessary for successful careers in fashion merchandising and related fields. Graduates can pursue careers as retail and wholesale buyers; department, area, and store managers; store owners, independent and manufacturers' sales representatives; store and corporate merchandisers; merchandise and inventory allocators, planners, and analysts; general and divisional merchandise managers; inventory management analysts and directors; merchandise reporting analysts and specialists; product merchants; project managers; account planners; store and corporate operations managers; district, regional, and national managers; mall marketing directors; and fashion directors. More information about careers in the retail industry can be found at *Retail Means Jobs*.

Admissions

Admissions

For University admissions information, please see the Admission Information (p. 18) in this catalog. The same standards for admission to the University apply to admission to the Fashion Merchandising program. Students applying to the Fashion Design program will be admitted to the University under the same standards, but will be admitted only provisionally to the Fashion Design program until the completion of FT 1013, FT 2013, and FT 2113 with a grade of "C" or higher *during the first enrollment* at TWU or any other collegiate program. The only exception to this requirement is withdrawal from any of the courses during the first enrollment for documented medical reasons; students would be allowed a second enrollment, but only if previously documented through proper university channels. Students will be given full admission to the Fashion Design program after the provisional requirements are met. Students not given full admission to the Fashion Design program will be required to complete a change of major.

Minors

Minors in Fashion Programs

An academic minor is an approved group of courses required for focused study in an academic discipline. A minimum of eighteen (18) semester credit hours are required for a minor, six (6) of which must be upper-level courses. In addition, half of the upper-level courses must be completed at TWU. Minors are offered by Fashion and Textiles in Fashion Merchandising and Fashion Design.

Minor in Fashion Merchandising

The minor in Fashion Merchandising is intended to provide students majoring in other disciplines, especially those in business, computer sciences, and family and consumer sciences, with additional knowledge and skills to complement the major program, especially for those interested in pursuing a career in the retailing or manufacturing industries; minor courses will provide a broad scope of relevant industry information. In addition, those interested in the personal operation of a home-based cottage industry business would benefit from the completion of the minor in Fashion Merchandising. Programs in Fashion and Textiles require the following courses to satisfy the minimum requirement for a minor in Fashion Merchandising:

Freshman			
Fall		**TCCN**	**Semester Credit Hours**
FT 1083	Fashion Aesthetics, Products, and Industries		3
	Semester Credit Hours		3
Sophomore			
Fall		**TCCN**	
FT 2033	Principles of Fashion Marketing	HECO 2311	3
	Semester Credit Hours		3
Spring		**TCCN**	
FT 2703	Production Techniques		3
	Semester Credit Hours		3
Junior			
Fall		**TCCN**	
FT 3063	Fashion Promotion		3
	Semester Credit Hours		3
Spring		**TCCN**	
FT 3103	Merchandise Planning and Control		3
	Semester Credit Hours		3
Senior			
Spring		**TCCN**	
FT 4113	Retail Buying		3
	Semester Credit Hours		3
	Total Semester Credit Hours:		18

Minor in Fashion Design

The minor in Fashion Design is intended to provide students majoring in other disciplines, particularly those in drama, visual arts, dance, and family and consumer sciences, with additional knowledge and skills to complement the major program, especially for those interested in pursuing a career in a creative environment; minor courses will provide a broad scope of relevant, hands-on industry skills. In addition, those interested in developing apparel construction, design, and patterning skills purely for personal use would benefit from the completion of the minor in Fashion Design. Programs in Fashion and Textiles require the following courses to satisfy the minimum requirement for a minor in Fashion Design:

Freshman			
Fall		**TCCN**	**Semester Credit Hours**
FT 1013	Principles and Techniques of Design Construction	HECO 1328	3
	Semester Credit Hours		3
Spring		**TCCN**	
FT 2013	Fundamentals of Fashion Sketching		3
FT 2113	Techniques of Pattern Design		3
	Semester Credit Hours		6
Sophomore			
Fall		**TCCN**	
FT 2403	Mass Production Techniques		3
	Semester Credit Hours		3
Junior			
Fall		**TCCN**	
FT 3403	Draping and Couture Techniques		3
	Semester Credit Hours		3
Senior			
Fall		**TCCN**	
FT 4033	Fashion Portfolio Development		3
	Semester Credit Hours		3
	Total Semester Credit Hours:		18

Courses

FT 1013. Principles and Techniques of Design Construction. (TCCN HECO 1328) Comprehensive study of apparel design construction and assembly techniques. One lecture and four laboratory hours a week. Credit: Three hours.

FT 1073. Textiles. (TCCN HECO 1320) Properties of textile structures, including examinations of fibers, fabrics, dyes, and finishes. Two lecture and two laboratory hours a week. Credit: Three hours.

FT 1083. Fashion Aesthetics, Products, and Industries. A detailed study of the design, production, and distribution of apparel, accessory, and home fashion products and related industries. Includes investigation of the aesthetic concepts and philosophies of good design utilized in all segments of the fashion industry. Three lecture hours a week. Credit: Three hours.

FT 2013. Fundamentals of Fashion Sketching. Exploration of techniques of quick sketching using various media and professional materials to communicate original design ideas. Basic proportions of the female fashion figure are emphasized with an introduction to male figures. Prerequisite: ART 1303 or permission of instructor. One lecture and four laboratory hours a week. Credit: Three hours.

FT 2033. Principles of Fashion Marketing. (TCCN HECO 2311) Basic marketing and merchandising principles, concepts, and practices utilized in the operation of fashion-oriented businesses. Three lecture hours a week. Credit: Three hours.

FT 2113. Techniques of Pattern Design. An introductory course of basic principles of flat pattern drafting. Scientific development of the master block and its use in drafting patterns according to professional standards. Adaptation of master block into basic styles for the fashion industry. Prerequisite: FT 1013 or equivalent. One lecture and four laboratory hours a week. Credit: Three hours.

FT 2403. Mass Production Techniques. Identification, analysis, and application of production processes and techniques included in the design and production of diverse, mass marketable fashion products, including creating specifications and costing. Includes design and production of a children's wear line. Prerequisites: FT 1013, FT 2013, and FT 2113. One lecture and four laboratory hours a week. Credit: Three hours.

FT 2703. Production Techniques. Identification, analysis, and application of production processes and techniques included in the design and production of diverse, mass marketable fashion products, including creating specifications and costing. Prerequisites: FT 1083 and FT 2033. Two lecture and two laboratory hours a week. Credit: Three hours.

FT 3013. History of Costume. A study of clothing for women, men, and children in the Western hemisphere from prehistoric times to the present. Social, economic, technological, and cultural contexts examined for the evolution and succession of styles. Three lecture hours a week. Credit: Three hours.

FT 3023. Career Development Strategies. Career development assessment with a focus on successful employment and managerial strategies. Course objectives lead to providing information necessary for individuals aspiring to management and leadership positions in businesses. Prerequisites: Junior standing, FT 1073, FT 2033, and FT 2403 for Fashion Design majors or FT 2703 for Fashion Merchandising majors. Three lecture hours a week. Credit: Three hours.

FT 3043. Global Production and Trade. National and global patterns of production and trade in the textile and apparel industries. Emphasis is on the manufacture, marketing, and distribution activities used in developing competitive strategies of textiles and apparel. Prerequisite: Junior standing, FT 2033, and FT 2403 for Fashion Design majors or FT 2703 for Fashion Merchandising majors. Three lecture hours a week. Credit: Three hours.

FT 3063. Fashion Promotion. Function, principles, methods, and evaluation of visual merchandising, advertising, special events, and public relations. Prerequisite: FT 2033. Three lecture hours a week. Credit: Three hours.

FT 3103. Merchandise Planning and Control. Techniques for profitable merchandise planning and control; managing merchandise through numerical concepts and calculations. Prerequisites: FT 2033 and six hours of Math with a grade of "C" or higher from among MATH 1013, MATH 1303, MATH 1703, or instructor-approved substitute; and BUS 2043 with a grade of "C" or higher for Fashion Merchandising majors only. Three lecture hours a week. Credit: Three hours.

FT 3113. Advanced Techniques of Pattern Design. Advanced flat pattern design using industry standards, methods, and computer software packages. Techniques taught include advanced drafting, grading, digitizing, and marker-making as per professional industry standards. Prerequisites: FT 2113, and CSCI 2433 or advisor-approved substitute. May be repeated once for additional credit. One lecture and four laboratory hours a week. Credit: Three hours.

FT 3173. Global Fashion Study. A professional study experience which provides students with an overview of the fashion industry. May include tours of manufacturing facilities, manufacturing-related companies, design facilities, retail stores, shopping centers, manufacturer's showrooms, trade associations, and auxiliary enterprises. Initial commitment to the study tour and subsequent enrollment must be approved by the instructor. May be repeated twice for additional credit. One lecture and six laboratory hours a week. Credit: Three hours.

FT 3303. Menswear Design and Production. Overview of the production of marketable menswear designs from concept to product. Includes the design processes, analysis methods, and patternmaking and construction techniques used in the menswear industry. Focus on creating original design concepts translated through illustrations and technical drawings as well as advanced patterning and construction of designs. Prerequisite: FT 2403. One lecture and four laboratory hours a week. Credit: Three hours.

FT 3403. Draping and Couture Techniques. Drafting and draping techniques applied to complex design problems. Advanced pattern drafting and construction using couture techniques. Original design sketches translated from muslin drape to finished garment using contemporary and couture production methods. May be repeated once for additional credit. Prerequisite: FT 2403. One lecture and four laboratory hours a week. Credit: Three hours.

FT 4033. Fashion Portfolio Development. Development of the portfolio containing original design work, flats and specifications, photographs, and available trend resources. Finished illustration techniques are emphasized using various media. Focus on professional layout and production of work for design presentations. May be repeated once for additional credit. Prerequisites: FT 2013 and FT 3403. One lecture and four laboratory hours a week. Credit: Three hours.

FT 4083. Global Perspectives of Dress and Adornment. Examines personal appearance practices, beliefs, and attitudes of diverse cultures throughout the world specifically focused on dress and adornment. Includes review of Western and Eastern dress. Focus on understanding appearance as a universal non-verbal form of communication. Three lecture hours a week. Credit: Three hours.

FT 4103. Advanced Merchandise Planning and Control. Advanced techniques for profitable merchandise planning and control. Focus is on advanced concepts of planning, inventory management, and measures of performance. Interrelated functions of planning and control examined through case study. Includes learning to use computerized spreadsheets as decision-making tools. Prerequisites: FT 3103, BUS 2043, CSCI 2433 or approved equivalent, and six hours of instructor-approved math. Three lecture hours a week. Credit: Three hours.

FT 4113. Retail Buying. An introduction to retail buying, including an examination of the fundamentals of effective buying and the responsibilities of buyers employed at different types of retail formats. Prerequisites: FT 3063, FT 3103, BUS 2043, and six hours of instructor-approved math. Three lecture hours a week. Credit: Three hours.

FT 4123. Retail Product Management and Information Analysis. The application of planning, purchasing, distributing, selling, and controlling retail products with emphasis on the analysis, synthesis, and interpretation of internal and external information needed to make effective retail decisions. Prerequisites: FT 3103, BUS 2043, CSCI 2433 or approved equivalent, ECO 1013 or ECO 1023, and six hours of instructor-approved math. Three lecture hours a week. Credit: Three hours.

FT 4213. Collection Design and Development. A capstone course emphasizing the synthesis of design concepts, construction methods, and market forecasting in line and collection development for the fashion industry. Focus on creating original, marketable design concepts translated through illustrations and construction of designs. May be repeated once for additional credit. Prerequisites: FT 3403 and FT 4403. One lecture and four laboratory hours a week. Credit: Three hours.

FT 4303. Computers in Fashion Design. Focus on the use of computer-based technologies for the development and production of advanced fashion designs. May be repeated once for additional credit. Prerequisites: FT 2113 and CSCI 2433, or approved equivalent. One lecture and four laboratory hours a week. Credit: Three hours.

FT 4403. Contemporary Tailored Design. Overview of current industry tailoring production methods. Application of methods and techniques used in mass production and traditional tailoring for women's and men's suiting and outerwear. May be repeated once for additional credit. Prerequisite: FT 2403. One lecture and four laboratory hours a week. Credit: Three hours.

FT 4603. Fashion Event Planning and Production. Development and production of promotional and special fashion events including fashion shows, exhibitions, displays, and other activities. Teaching and application focus on professional presentation styles and industry-driven approaches to promotion. Concepts of time and resource management are taught and applied. Prerequisites: FT 1083, FT 2033, and junior standing. May be repeated once for additional credit. One lecture and four laboratory hours a week. Credit: Three hours.

FT 4921. Independent Study in Fashion Design. Intensive study of topic of individual or professional interest. May be repeated twice for additional credit. Enrollment must be approved by the instructor. Credit: One hour.

FT 4923. Independent Study in Fashion Design. Intensive study of topic of individual or professional interest. May be repeated three times for additional credit. Enrollment must be approved by the instructor. Credit: Three hours.

FT 4931. Independent Study in Fashion Merchandising. Intensive study of topic of individual or professional interest. May be repeated twice for additional credit. Enrollment must be approved by the instructor. Credit: One hour.

FT 4933. Independent Study in Fashion Merchandising. Intensive study of topic of individual or professional interest. May be repeated three times for additional credit. Enrollment must be approved by the instructor. Credit: Three hours.

FT 4943. Externship in Fashion Merchandising. Intensive unpaid, place-based, direct industry contact learning experience of at least 60 hours arranged between the University; a student; and a business, agency, organization, or association. Allows for synergistic transactions between the student and the environment to assimilate new experiences into existing concepts through participation, interaction, and application. Enrollment and learning experience must be approved by the instructor. May be repeated once for additional credit. Prerequisites: FT 3063, FT 3103, and 60 credit hours with an overall GPA of 3.00. Four practicum and one lecture hours a week. Credit: Three hours.

FT 4963. Internship in Fashion Design. Work-study experience arranged between the University; a student; and a business, government agency, organization, or association. Transfers knowledge and skill from the classroom into abilities required for a career. Enrollment in the course and employment position must be approved by the instructor. Student must work a minimum of 200 hours throughout the entire semester. May be repeated three times for credit. Prerequisites: FT 3403, FT 4403, and 75 credit hours with an overall GPA of 2.00. Credit: Three hours.

FT 4966. Internship in Fashion Design. Work-study experience arranged between the University; a student; and a business, government agency, organization, or association. Transfers knowledge and skill from the classroom into abilities required for a career. Enrollment in the course and employment position must be approved by the instructor. Students must work a minimum of 400 hours throughout the entire semester. May be repeated once for additional credit. Prerequisites: FT 3403, FT 4403, and 75 credit hours with an overall GPA of 2.00. Credit: Six hours.

FT 4973. Internship in Fashion Merchandising. Work-study experience arranged between the University; a student; and a business, government agency, organization, or association. Transfers knowledge and skill from the classroom into abilities required for a career. Enrollment in the course and employment position must be approved by the instructor. Students must work a minimum of 200 hours throughout the entire semester. May be repeated three times for credit. Prerequisites: FT 3063, FT 3103, and 75 credit hours with an overall GPA of 2.00. Credit: Three hours.

FT 4976. Internship in Fashion Merchandising. Work-study experience arranged between the University; a student; and a business, government agency, organization, or association. Transfers knowledge and skill from the classroom into abilities required for a career. Enrollment in the course and employment position must be approved by the instructor. Students must work a minimum of 400 hours throughout the entire semester. May be repeated once for additional credit. Prerequisites: FT 3063, FT 3103, and 75 credit hours with an overall GPA of 2.00. Credit: Six hours.

Faculty

Professors

DRAGOO, SHERI L., Professor of Fashion and Textiles. B.S., Christian Heritage College; M.S., Texas Tech University; Ph.D., Texas Tech University.

RIGGS, CHARLES L., Professor of Fashion and Textiles; Professor of Chemistry and Biochemistry. B.S., University of North Texas; Ph.D., Oklahoma State University.

YOUNG, DEBORAH D., Professor of Fashion and Textiles; Program Director of Fashion and Textiles. B.S., Texas Tech University; M.S., Texas Tech University; Ph.D., Texas Tech University.

Associate Professor

MAGIE, ANNA L., Associate Professor of Fashion and Textiles. B.S., University of North Texas; M.S., University of North Texas; Ph.D., Texas Woman's University.

Lecturer

ODUKOMAIYA, ZIGWAI REMY, Lecturer I of Fashion and Textiles. B.A., Ahmadu Bello University; M.F.A., University of North Texas.

Bachelor of Arts in Fashion Design

Total Semester Credit Hours Required

120 semester credit hours.

Major

66 semester credit hours.

Bachelor of Arts in Fashion Design Program of Study

The B.A. in Fashion Design degree program prepares students to work in the apparel and accessory design and production components of the fashion industry to design and develop merchandise for manufacturers, wholesalers, and retailers. In addition to the Core Curriculum Requirements (p. 47) that can be found elsewhere in this catalog, listed below are the Fashion Courses Required and the Additional Program Requirements for completion of the B.A. in Fashion Design. Also shown below is the Suggested Rotation of Courses for completion of the degree in four years.

Fashion Courses Required

Within the fashion courses required, 39 of the 66 required hours must be upper-level semester hour credits.

FT 1013	Principles and Techniques of Design Construction	3
FT 1073	Textiles	3
FT 1083	Fashion Aesthetics, Products, and Industries	3
FT 2013	Fundamentals of Fashion Sketching	3
FT 2033	Principles of Fashion Marketing	3
FT 2113	Techniques of Pattern Design	3
FT 2403	Mass Production Techniques	3

FT 3013	History of Costume	3
FT 3023	Career Development Strategies	3
FT 3043	Global Production and Trade	3
FT 3103	Merchandise Planning and Control	3
FT 3113	Advanced Techniques of Pattern Design	3
FT 3303	Menswear Design and Production	3
FT 3403	Draping and Couture Techniques	3
FT 4033	Fashion Portfolio Development	3
FT 4083	Global Perspectives of Dress and Adornment	3
FT 4213	Collection Design and Development	3
FT 4303	Computers in Fashion Design	3
FT 4403	Contemporary Tailored Design	3
FT 4603	Fashion Event Planning and Production	3
FT 4966	Internship in Fashion Design	6
Total Semester Credit Hours		66

Additional Program Requirements

ART 1303	Basic Drawing	3
ART 2223	Introduction to Computer Based Art	3
ART 2303	Figure Drawing	3
CSCI 2433	Microcomputer Applications	3

The Additional Program Requirements listed below apply ONLY if not completed through program-suggested general core requirements.

ECO 1013	Principles of Microeconomics (if not completed through general core requirements; the degree requires the completion of 3 hours of Economics from among ECO 1013 and ECO 1023; hours taken substitute for FT 4083 in major requirements)	
or ECO 1023	Principles of Macroeconomics	
MATH 1703	Elementary Statistics I (if not completed through core requirements; the degree requires the completion of 6 hours of Math from among MATH 1013, 1303, and 1703; hours taken substitute for FT 4083 in major requirements)	
or MATH 1083	Financial and Quantitative Literacy	
Total Semester Credit Hours		12

Suggested Rotation of Courses

First Year

Fall		TCCN	Semester Credit Hours
FT 1013 (This course MUST be taken in the first fall semester of enrollment.)	Principles and Techniques of Design Construction	HECO 1328	3
FT 1083	Fashion Aesthetics, Products, and Industries		3
ART 1303 (This course MUST be taken in the first fall semester of enrollment.)	Basic Drawing	ARTS 1316	3
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO Core (Fashion Program-suggested core course of MATH 1013, MATH 1303, or MATH 1703 is strongly advised)			2
	Semester Credit Hours		15
Spring		**TCCN**	
FT 1073	Textiles	HECO 1320	3
FT 2013 (This course MUST be taken in the first academic year of enrollment.)	Fundamentals of Fashion Sketching		3
FT 2113 (This course MUST be taken in the first spring semester of enrollment.)	Techniques of Pattern Design		3
ENG 1023	Composition II	ENGL 1302	3
Mathematics Core (Fashion Program-suggested core course of MATH 1013, MATH 1303, or MATH 1703 is strongly advised)			3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
FT 2033	Principles of Fashion Marketing	HECO 2311	3
FT 2403	Mass Production Techniques		3
ART 2303	Figure Drawing	ARTS 2323	3
CSCI 2433	Microcomputer Applications	BCIS 1301, COSC 1301	3
GOV 2013	U.S. National Government	GOVT 2305	3
	Semester Credit Hours		15
Spring		**TCCN**	
FT 3103	Merchandise Planning and Control		3
FT 3403	Draping and Couture Techniques		3

ART 2223	Introduction to Computer Based Art		3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
FT 3043 (GP)	Global Production and Trade		3
FT 3303	Menswear Design and Production		3
FT 4303	Computers in Fashion Design		3
FT 4403	Contemporary Tailored Design		3
Creative Arts Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
FT 3023	Career Development Strategies		3
FT 3113	Advanced Techniques of Pattern Design		3
FT 4603	Fashion Event Planning and Production		3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
	Semester Credit Hours		12
Summer		**TCCN**	
FT 4966	Internship in Fashion Design		6
	Semester Credit Hours		6

Fourth Year

Fall		**TCCN**	
FT 3013	History of Costume		3
FT 4033	Fashion Portfolio Development		3
FT 4083 (GP)	Global Perspectives of Dress and Adornment		3
Multicultural Women's Studies CAO Core			3
Life/Physical Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
FT 4213	Collection Design and Development		3
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
Social/Behavioral Science Core (Fashion Program-suggested core courses of ECO 1013 or ECO 1023 are strongly advised)			3
	Semester Credit Hours		12
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

B.A. in Fashion Design and B.S. in Fashion Merchandising with Marketing minor

Total Semester Credit Hours Required

156 semester credit hours.

Major

81 semester credit hours.

Minor (required)

21 semester credit hours.

Bachelor of Arts in Fashion Design *and* Bachelor of Science in Fashion Merchandising with Marketing Minor - Dual Degree Program of Study

The B.A. in Fashion Design and B.S. in Fashion Merchandising dual degree program provides graduates with the broadest knowledge of the fashion industry among all fashion degrees by preparing students to work in design, manufacturing, production, wholesale, and retail environments. In addition to the Core Curriculum Requirements (p. 47) that can be found elsewhere in this catalog, listed below are the Fashion Design Courses Required, Fashion Merchandising Courses Required, Business Courses Required, and the Additional Program Requirements for completion of the B.A. in Fashion Design and B.S. in Fashion Merchandising dual degree program. Also shown below is the Suggested Rotation of Courses for completion of the dual degree program in four years.

Fashion Design Courses Required

Within the fashion design courses required, 27 of the 45 required hours must be upper-level semester credit hours.

FT 1013	Principles and Techniques of Design Construction	3
FT 2013	Fundamentals of Fashion Sketching	3
FT 2113	Techniques of Pattern Design	3
FT 2403	Mass Production Techniques	3
FT 3013	History of Costume	3
FT 3113	Advanced Techniques of Pattern Design	3
FT 3303	Menswear Design and Production	3
FT 3403	Draping and Couture Techniques	3
FT 4033	Fashion Portfolio Development	3
FT 4213	Collection Design and Development	3
FT 4303	Computers in Fashion Design	3
FT 4403	Contemporary Tailored Design	3
FT 4603	Fashion Event Planning and Production	3
FT 4966	Internship in Fashion Design	6
Total Semester Credit Hours		45

Fashion Merchandising Courses Required

Within the fashion merchandising courses required, 24 of the 36 required hours must be upper-level semester credit hours.

FT 1073	Textiles	3
FT 1083	Fashion Aesthetics, Products, and Industries	3
FT 2033	Principles of Fashion Marketing	3
FT 3023	Career Development Strategies	3
FT 3043	Global Production and Trade	3
FT 3063	Fashion Promotion	3
FT 3103	Merchandise Planning and Control	3
FT 4103	Advanced Merchandise Planning and Control	3
FT 4113	Retail Buying	3
FT 4123	Retail Product Management and Information Analysis	3
FT 4976	Internship in Fashion Merchandising	6
Total Semester Credit Hours		36

Marketing Minor Courses Required

Within the business courses required, 12 of the 21 required hours must be upper-level semester credit hours.

BUS 2043	Fundamentals of Accounting I	3
BUS 3003	Principles of Management	3
BUS 3113	Principles of Marketing	3
BUS 3513	Professional Presentation Strategies	3
BUS 4063	Retailing	3
BUS 4093	Principles of Selling	3
BUS 4213	Consumer Behavior	3
Total Semester Credit Hours		21

Additional Program Requirements

ART 1303	Basic Drawing	3
ART 2223	Introduction to Computer Based Art	3
ART 2303	Figure Drawing	3
CSCI 2433	Microcomputer Applications	3

The Additional Program Requirements listed below apply ONLY if not completed through program-suggested general core requirements.

ECO 1013	Principles of Microeconomics (if not completed through general core requirements; the degree requires the completion of 3 hours of Economics from among ECO 1013 and ECO 1023; hours taken substitute for BUS 3513 in minor requirements)	
or ECO 1023	Principles of Macroeconomics	
MATH 1703	Elementary Statistics I (if not completed through core requirements; the degree requires the completion of 6 hours of Math from among MATH 1013, 1303, 1703, and 2203; hours taken substitute for BUS 3513 in minor requirements)	
or MATH 1313	Elementary Analysis I	
Total Semester Credit Hours		12

Suggested Rotation of Courses

First Year

Fall		**TCCN**	**Semester Credit Hours**
FT 1013 (This course MUST be taken in the first fall semester of enrollment.)	Principles and Techniques of Design Construction	HECO 1328	3
FT 1083	Fashion Aesthetics, Products, and Industries		3
ART 1303 (This courses MUST be taken in the first fall semester of enrollment.)	Basic Drawing	ARTS 1316	3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO Core (Fashion Program-suggested courses of MATH 1013, MATH 1303, or MATH 1703 are strongly advised)			2
	Semester Credit Hours		18
Spring		**TCCN**	
FT 1073	Textiles	HECO 1320	3

FT 2013 (This course MUST be taken in the first academic year of enrollment.)	Fundamentals of Fashion Sketching		3
FT 2113 (This course MUST be taken in the first spring semester of enrollment.)	Techniques of Pattern Design		3
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core (Fashion Program-suggested core courses of MATH 1013, MATH 1013, or MATH 1703 are strongly advised)			3
	Semester Credit Hours		18

Second Year

Fall		**TCCN**	
FT 2033	Principles of Fashion Marketing	HECO 2311	3
FT 2403	Mass Production Techniques		3
ART 2303	Figure Drawing	ARTS 2323	3
BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
CSCI 2433	Microcomputer Applications	BCIS 1301, COSC 1301	3
Life / Physical Science Core			3
	Semester Credit Hours		18
Spring		**TCCN**	
FT 3103	Merchandise Planning and Control		3
FT 3403	Draping and Couture Techniques		3
ART 2223	Introduction to Computer Based Art		3
BUS 3003	Principles of Management		3
GOV 2013	U.S. National Government	GOVT 2305	3
Social/Behavioral Science Core (Fashion Program-suggested core courses of ECO 1013 or ECO 1023 are strongly advised)			3
	Semester Credit Hours		18

Third Year

Fall		**TCCN**	
FT 3063	Fashion Promotion		3
FT 3303	Menswear Design and Production		3
FT 4303	Computers in Fashion Design		3
FT 4403	Contemporary Tailored Design		3
BUS 3113	Principles of Marketing		3
Creative Arts Core			3
	Semester Credit Hours		18
Spring		**TCCN**	
FT 3023	Career Development Strategies		3
FT 3113	Advanced Techniques of Pattern Design		3
FT 4123	Retail Product Management and Information Analysis		3
FT 4603	Fashion Event Planning and Production		3
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
	Semester Credit Hours		18
Summer		**TCCN**	
FT 4976	Internship in Fashion Merchandising		6
	Semester Credit Hours		6

Fourth Year

Fall		**TCCN**	
FT 3013	History of Costume		3
FT 3043 (GP)	Global Production and Trade		3
FT 4033	Fashion Portfolio Development		3
BUS 4093	Principles of Selling		3
BUS 4213	Consumer Behavior		3

Language, Philosophy, and Culture Core		3
	Semester Credit Hours	18
Spring	**TCCN**	
FT 4103	Advanced Merchandise Planning and Control	3
FT 4113	Retail Buying	3
FT 4213	Collection Design and Development	3
BUS 3513	Professional Presentation Strategies	3
BUS 4063	Retailing	3
Multicultural Women's Studies CAO Core		3
	Semester Credit Hours	18
Summer	**TCCN**	
FT 4966	Internship in Fashion Design	6
	Semester Credit Hours	6
	Total Semester Credit Hours:	156

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in Fashion Design and B.B.A. in General Business (Entrepreneurship Emphasis)

Total Semester Credit Hours Required

165 semester credit hours.

Major

108 semester credit hours.

Bachelor of Arts in Fashion Design *and* Bachelor of Business Administration in General Business (Entrepreneurship Emphasis) - Dual Degree Program of Study

The B.A. in Fashion Design and B.B.A. in General Business, Entrepreneurship emphasis dual degree program provides graduates with the diversity of knowledge and skills necessary to design and sell their own products through a small business in today's competitive economic environment. In addition to the Core Curriculum Requirements (p. 47) that can be found elsewhere in this catalog, listed below are the Fashion Design Courses Required, Business Courses Required, and the Additional Program Requirements for completion of the B.A. in Fashion Design and B.B.A. in General Business, Entrepreneurship emphasis dual degree program. Also shown below is the Suggested Rotation of Courses for completion of the dual degree program in four years.

Fashion Design Courses Required

Within the fashion design courses required, 36 of the 63 required hours must be upper-level semester credit hours.

FT 1013	Principles and Techniques of Design Construction	3
FT 1073	Textiles	3
FT 1083	Fashion Aesthetics, Products, and Industries	3
FT 2013	Fundamentals of Fashion Sketching	3
FT 2033	Principles of Fashion Marketing	3
FT 2113	Techniques of Pattern Design	3
FT 2403	Mass Production Techniques	3
FT 3013	History of Costume	3
FT 3023	Career Development Strategies	3
FT 3043	Global Production and Trade	3
FT 3103	Merchandise Planning and Control	3
FT 3113	Advanced Techniques of Pattern Design	3
FT 3303	Menswear Design and Production	3
FT 3403	Draping and Couture Techniques	3
FT 4033	Fashion Portfolio Development	3
FT 4213	Collection Design and Development	3
FT 4303	Computers in Fashion Design	3
FT 4403	Contemporary Tailored Design	3
FT 4603	Fashion Event Planning and Production	3
FT 4966	Internship in Fashion Design	6
Total Semester Credit Hours		63

Business Courses Required

Within the business courses required, 33 of the 45 required hours must be upper-level semester credit hours.

BUS 2043	Fundamentals of Accounting I	3
BUS 2053	Fundamentals of Accounting II	3
BUS 3003	Principles of Management	3
BUS 3013	Business Law and Ethics	3
BUS 3053	Business Finance	3
BUS 3113	Principles of Marketing	3
BUS 3183	Introduction to International Business	3
BUS 3243	Entrepreneurship	3
BUS 3273	Human Resource Management	3
BUS 3533	Management Information Systems	3
BUS 4093	Principles of Selling	3
BUS 4173	Accounting Infomation Systems	3
BUS 4213	Consumer Behavior	3
BUS 4333	Business Policy	3
BUS 4443	Small Business Management	3
Total Semester Credit Hours		45

Additional Program Requirements

ART 1303	Basic Drawing	3
ART 2223	Introduction to Computer Based Art	3
ART 2303	Figure Drawing	3
CSCI 2433	Microcomputer Applications	3
MATH 2203	Business Analysis I	3
The Additional Program Requirements listed below apply ONLY if not completed through program-suggested general core requirements.		
ECO 1013	Principles of Microeconomics (if not completed through general core requirements; the degree requires the completion of 3 hours of Economics from among ECO 1013 and ECO 1023; hours taken substitute for BUS 4093 in major requirements)	
or ECO 1023	Principles of Macroeconomics	
MATH 1703	Elementary Statistics I (if not completed through core requirements; the degree requires the completion of 9 hours of Math from among MATH 1013, MATH 1703, MATH 1713, and MATH 2203; hours taken substitute for BUS 4093 in major requirements)	
or MATH 10	Financial and Quantitative Literacy	
Total Semester Credit Hours		15

Suggested Rotation of Courses

First Year

Fall		TCCN	Semester Credit Hours
FT 1013 (This course MUST be taken in the first fall semester of enrollment.)	Principles and Techniques of Design Construction	HECO 1328	3
FT 1083	Fashion Aesthetics, Products, and Industries		3
ART 1303 (This course MUST be taken in the first fall semester of enrollment.)	Basic Drawing	ARTS 1316	3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO Core (Fashion Program-suggested courses of MATH 1013, MATH 1703, or MATH 2203 are strongly advised)			2
	Semester Credit Hours		18

Spring		TCCN	
FT 1073	Textiles	HECO 1320	3
FT 2013 (This course MUST be taken in the first academic year of enrollment.)	Fundamentals of Fashion Sketching		3
FT 2113 (This course MUST be taken in the first spring semester of enrollment.)	Techniques of Pattern Design		3
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core (Fashion Program-suggested core courses of MATH 1013, MATH 1703, or MATH 2203 are strongly advised)			3
	Semester Credit Hours		18

Summer		TCCN	
GOV 2023	Texas Government	GOVT 2306	3
GOV 2013	U.S. National Government	GOVT 2305	3
	Semester Credit Hours		6

Second Year

Fall		TCCN	
FT 2033	Principles of Fashion Marketing	HECO 2311	3
FT 2403	Mass Production Techniques		3
ART 2303	Figure Drawing	ARTS 2323	3
CSCI 2433	Microcomputer Applications	BCIS 1301, COSC 1301	3
MATH 2203	Business Analysis I	MATH 1324	3
Life/Physical Science Core			3
	Semester Credit Hours		18

Spring		TCCN	
FT 3403	Draping and Couture Techniques		3

BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
BUS 3003	Principles of Management		3
BUS 3013	Business Law and Ethics		3
BUS 3113	Principles of Marketing		3
ART 2223	Introduction to Computer Based Art		3
	Semester Credit Hours		18
Summer		**TCCN**	
Social/Behavioral Science Core (Fashion Program-suggested core courses of ECO 1013 or ECO 1023 are strongly advised)			3
Language, Philosphy, and Culture Core			3
	Semester Credit Hours		6
Third Year			
Fall		**TCCN**	
FT 3043 (GP)	Global Production and Trade		3
FT 3103	Merchandise Planning and Control		3
FT 3303	Menswear Design and Production		3
FT 4303	Computers in Fashion Design		3
FT 4403	Contemporary Tailored Design		3
BUS 2053	Fundamentals of Accounting II	ACCT 2302, ACCT 2402	3
	Semester Credit Hours		18
Spring		**TCCN**	
FT 3113	Advanced Techniques of Pattern Design		3
FT 4603	Fashion Event Planning and Production		3
BUS 3183	Introduction to International Business		3
BUS 3243	Entrepreneurship		3
BUS 3273	Human Resource Management		3
Creative Arts Core			3
	Semester Credit Hours		18
Summer		**TCCN**	
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		3
Fourth Year			
Fall		**TCCN**	
FT 3013	History of Costume		3
FT 4033	Fashion Portfolio Development		3
BUS 3533	Management Information Systems		3
BUS 4093	Principles of Selling		3
BUS 4443	Small Business Management		3
Life/Physical Science Core			3
	Semester Credit Hours		18
Spring		**TCCN**	
FT 3023	Career Development Strategies		3
FT 4213	Collection Design and Development		3
BUS 3053	Business Finance		3
BUS 4173	Accounting Infomation Systems		3
BUS 4213	Consumer Behavior		3
BUS 4333	Business Policy		3
	Semester Credit Hours		18
Summer		**TCCN**	
FT 4966	Internship in Fashion Design		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		165

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in Fashion Design and Bachelor of Business Administration in Marketing

Total Semester Credit Hours Required

165 semester credit hours.

Major

108 semester credit hours.

Bachelor of Arts in Fashion Design *and* Bachelor of Business Administration in Marketing - Dual Degree Program of Study

The B.A. in Fashion Design and B.B.A. in Marketing dual degree program prepares graduates to work in the design and production components of the fashion industry while applying the broad range of consumer and marketing knowledge that is desirable for leadership and management positions within corporate design and production environments. In addition to the Core Curriculum Requirements (p. 47) that can be found elsewhere in this catalog, listed below are the Fashion Design Courses Required, Business Courses Required, and the Additional Program Requirements for completion of the B.A. in Fashion Design and B.B.A. in Marketing dual degree program. Also shown below is the Suggested Rotation of Courses for completion of the dual degree program in four years.

Fashion Design Courses Required

Within the fashion design courses required, 39 of the 66 required hours must be upper-level semester credit hours.

FT 1013	Principles and Techniques of Design Construction	3
FT 1073	Textiles	3
FT 1083	Fashion Aesthetics, Products, and Industries	3
FT 2013	Fundamentals of Fashion Sketching	3
FT 2033	Principles of Fashion Marketing	3
FT 2113	Techniques of Pattern Design	3
FT 2403	Mass Production Techniques	3
FT 3013	History of Costume	3
FT 3023	Career Development Strategies	3
FT 3043	Global Production and Trade	3
FT 3063	Fashion Promotion	3
FT 3103	Merchandise Planning and Control	3
FT 3113	Advanced Techniques of Pattern Design	3
FT 3303	Menswear Design and Production	3
FT 3403	Draping and Couture Techniques	3
FT 4033	Fashion Portfolio Development	3
FT 4213	Collection Design and Development	3
FT 4303	Computers in Fashion Design	3
FT 4403	Contemporary Tailored Design	3
FT 4603	Fashion Event Planning and Production	3
FT 4966	Internship in Fashion Design	6
Total Semester Credit Hours		66

Business Courses Required

Within the business courses required, 30 of the 42 required hours must be upper-level semester credit hours.

BUS 2043	Fundamentals of Accounting I	3
BUS 2053	Fundamentals of Accounting II	3
BUS 3003	Principles of Management	3
BUS 3013	Business Law and Ethics	3
BUS 3053	Business Finance	3
BUS 3113	Principles of Marketing	3
BUS 3533	Management Information Systems	3
BUS 4063	Retailing	3
BUS 4093	Principles of Selling	3
BUS 4113	Marketing Research	3
BUS 4213	Consumer Behavior	3
BUS 4333	Business Policy	3
BUS 4503	Internet Marketing	3
BUS 4553	Advanced Marketing	3
Total Semester Credit Hours		42

Additional Program Requirements

ART 1303	Basic Drawing	3
ART 2223	Introduction to Computer Based Art	3
ART 2303	Figure Drawing	3
CSCI 2433	Microcomputer Applications	3
MATH 2203	Business Analysis I	3
The Additional Program Requirements listed below apply ONLY if not completed through program-suggested general core requirements.		
ECO 1013	Principles of Microeconomics (if not completed through general core requirements; the degree requires the completion of 3 hours of Economics from among ECO 1013 and ECO 1023; hours taken substitute for BUS 4093 in major requirements)	
or ECO 1023	Principles of Macroeconomics	
MATH 1703	Elementary Statistics I (if not completed through core requirements; the degree requires the completion of 9 horus of Math from among MATH 1013, MATH 1703, MATH 1713, and MATH 2203; hours taken substitute for BUS 4093 in minor requirements)	
or MATH 10	Financial and Quantitative Literacy	
Total Semester Credit Hours		15

Suggested Rotation of Courses

First Year

Fall		TCCN	Semester Credit Hours
FT 1013	Principles and Techniques of Design Construction	HECO 1328	3
FT 1083	Fashion Aesthetics, Products, and Industries		3
ART 1303	Basic Drawing	ARTS 1316	3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO Core (Fashion Program-suggested courses of MATH 1013, MATH 1703, or MATH 2203 are strongly advised)			2
	Semester Credit Hours		18
Spring		**TCCN**	
FT 1073	Textiles	HECO 1320	3
FT 2013	Fundamentals of Fashion Sketching		3
FT 2113	Techniques of Pattern Design		3
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core (Fashion Program-suggested courses of MATH 1013, MATH 1703, or MATH 2203 are strongly advised)			3
	Semester Credit Hours		18
Summer		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
GOV 2013	U.S. National Government	GOVT 2305	3
	Semester Credit Hours		6

Second Year

Fall		TCCN	
FT 2033	Principles of Fashion Marketing	HECO 2311	3
FT 2403	Mass Production Techniques		3
ART 2303	Figure Drawing	ARTS 2323	3
CSCI 2433	Microcomputer Applications	BCIS 1301, COSC 1301	3
MATH 2203	Business Analysis I	MATH 1324	3
Life/Physical Science Core			3
	Semester Credit Hours		18
Spring		**TCCN**	
FT 3403	Draping and Couture Techniques		3
BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
BUS 3003	Principles of Management		3
BUS 3013	Business Law and Ethics		3
BUS 3113	Principles of Marketing		3
ART 2223	Introduction to Computer Based Art		3
	Semester Credit Hours		18
Summer		**TCCN**	
Language, Philosophy, and Cuture Core			3
Social/Behavioral Science Core (Fashoin Program-suggested core courses of ECO 1013 or ECO 1023 are strongly advised)			3
	Semester Credit Hours		6

Third Year

Fall		TCCN	
FT 3043 (GP)	Global Production and Trade		3
FT 3103	Merchandise Planning and Control		3
FT 3303	Menswear Design and Production		3
FT 4303	Computers in Fashion Design		3
FT 4403	Contemporary Tailored Design		3

BUS 2053	Fundamentals of Accounting II	ACCT 2302, ACCT 2402	3
	Semester Credit Hours		18
Spring		**TCCN**	
FT 3113	Advanced Techniques of Pattern Design		3
FT 4603	Fashion Event Planning and Production		3
BUS 4093	Principles of Selling		3
BUS 4113	Marketing Research		3
BUS 4213	Consumer Behavior		3
Life/Physical Science Core			3
	Semester Credit Hours		18
Summer		**TCCN**	
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		3
Fourth Year			
Fall		**TCCN**	
FT 3013	History of Costume		3
FT 3063	Fashion Promotion		3
FT 4033	Fashion Portfolio Development		3
BUS 3533	Management Information Systems		3
BUS 4503	Internet Marketing		3
Creative Arts Core			3
	Semester Credit Hours		18
Spring		**TCCN**	
FT 3023	Career Development Strategies		3
FT 4213	Collection Design and Development		3
BUS 3053	Business Finance		3
BUS 4063	Retailing		3
BUS 4333	Business Policy		3
BUS 4553	Advanced Marketing		3
	Semester Credit Hours		18
Summer		**TCCN**	
FT 4966	Internship in Fashion Design		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		165

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Fashion Merchandising (Management Emphasis with Marketing Minor)

Total Semester Credit Hours Required

120 semester credit hours.

Major

45 semester credit hours.

Minor (required)

27 semester credit hours.

Bachelor of Science in Fashion Merchandising (Management emphasis with Marketing minor) Program of Study

The B.S. in Fashion Merchandising, Management emphasis prepares graduates to work in retail management, selling, or promotion careers, primarily in store environments. In addition to the Core Curriculum Requirements (p. 47) that can be found elsewhere in this catalog, listed below are the Fashion Courses Required, the Business Courses Required, and the Additional Program Requirements for completion of the B.S. in Fashion Merchandising, Management emphasis. Also shown below is the Suggested Rotation of Courses for completion of the degree in four years.

Fashion Courses Required

Within the fashion courses required, 27 of the 45 required hours must be upper-level semester credit hours.

FT 1073	Textiles	3
FT 1083	Fashion Aesthetics, Products, and Industries	3
FT 2033	Principles of Fashion Marketing	3
FT 2703	Production Techniques	3
FT 3023	Career Development Strategies	3
FT 3043	Global Production and Trade	3
FT 3063	Fashion Promotion	3
FT 3103	Merchandise Planning and Control	3
FT 4083	Global Perspectives of Dress and Adornment	3
FT 4103	Advanced Merchandise Planning and Control	3
FT 4113	Retail Buying	3
FT 4123	Retail Product Management and Information Analysis	3
FT 4603	Fashion Event Planning and Production	3

FT 4976	Internship in Fashion Merchandising	6
Total Semester Credit Hours		45

Business Courses Required

Within the business courses required, 18 of the 27 required hours must be upper-level semester credit hours.

BUS 2043	Fundamentals of Accounting I	3
BUS 3003	Principles of Management	3
BUS 3113	Principles of Marketing	3
BUS 3273	Human Resource Management	3
BUS 3513	Professional Presentation Strategies	3
BUS 4063	Retailing	3
BUS 4093	Principles of Selling	3
or BUS 4103	Training and Development	
BUS 4133	Promotion Strategy	3
or BUS 4303	Employment Staffing	
BUS 4213	Consumer Behavior	3
Total Semester Credit Hours		27

Additional Program Requirements

CSCI 2433	Microcomputer Applications	3
MATH 2203	Business Analysis I (or MATH 1703 or MATH 1713 or instructor-approved math - NOTE - if math option is selected instead of FT 3173, decision results in a total of 9 hours of math required for degree)	3
or FT 3173	Global Fashion Study	

The Additional Program Requirements listed below apply ONLY if not completed through program-suggested general core requirements

ECO 1013	Principles of Microeconomics (if not completed through general core requirements; the degree requires the completion of 3 hours of Economics from among ECO 1013 and ECO 1023; hours taken substitute for BUS 4133 or BUS 4303 in major requirements)	
or ECO 1023	Principles of Macroeconomics	
MATH 1703	Elementary Statistics I (if not completed through core requirments; the degree requires the completion of 6 hours of Math from among MATH 1013, MATH 1303, MATH 1703, and MATH 2203; hours taken substitute for BUS 4133 or BUS 4303 in minor requirements)	
or MATH 1303	Elementary Analysis I	
Total Semester Credit Hours		6

Suggested Rotation of Courses

First Year

Fall		TCCN	Semester Credit Hours
FT 1083	Fashion Aesthetics, Products, and Industries		3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Creative Arts Core			3
Wellness / Mathematics CAO Core (Fashion Program-suggested core courses of MATH 1013, MATH 1303, or MATH 1703 are strongly advised)			2
	Semester Credit Hours		15
Spring		**TCCN**	
FT 1073	Textiles	HECO 1320	3
CSCI 2433	Microcomputer Applications	BCIS 1301, COSC 1301	3
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core (Fashion Program-suggested core courses of MATH 1013, MATH 1303, or MATH 1703 are strongly advised)			3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
FT 2033	Principles of Fashion Marketing	HECO 2311	3
BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
Social/Behavioral Science Core (Fashion Program-suggested core courses of ECO 1013 or ECO 1023 are strongly advised)			3
	Semester Credit Hours		15
Spring		**TCCN**	
FT 2703	Production Techniques		3
FT 3173	Global Fashion Study		3

	or MATH 2203 or MATH 1703 or MATH 1713 or instructor-approved math; if math option is selected instead of FT 3173, decision results in a total of 9 hours of math required for degree		
BUS 3003	Principles of Management		3
GOV 2023	Texas Government	GOVT 2306	3
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
FT 3043 (GP)	Global Production and Trade		3
FT 3063	Fashion Promotion		3
FT 3103	Merchandise Planning and Control		3
BUS 3113	Principles of Marketing		3
BUS 3273	Human Resource Management		3
	Semester Credit Hours		15
Spring		**TCCN**	
FT 3023	Career Development Strategies		3
FT 4123	Retail Product Management and Information Analysis		3
FT 4603	Fashion Event Planning and Production		3
BUS 3513	Professional Presentation Strategies		3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		15
Summer		**TCCN**	
FT 4976	Internship in Fashion Merchandising		6
	Semester Credit Hours		6

Fourth Year

Fall		**TCCN**	
FT 4083 (GP)	Global Perspectives of Dress and Adornment		3
BUS 4213	Consumer Behavior		3
BUS 4133 (or)	Promotion Strategy		3
BUS 4303	Employment Staffing		
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		12
Spring		**TCCN**	
FT 4103	Advanced Merchandise Planning and Control		3
FT 4113	Retail Buying		3
BUS 4063	Retailing		3
BUS 4093 (or)	Principles of Selling		3
BUS 4103	Training and Development		
	Semester Credit Hours		12
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Fashion Merchandising (Planning Emphasis with Marketing Minor)

Total Semester Credit Hours

120 semester credit hours.

Major

45 semester credit hours.

Minor (required)

24 semester credit hours.

Bachelor of Science in Fashion Merchandising (Planning emphasis with Marketing minor) Program of Study

The B.S. in Fashion Merchandising, Planning emphasis prepares graduates to work in retail buying and merchandise management careers, primarily in corporate environments. In addition, to the Core Curriculum Requirements (p. 47) that can be found elsewhere in this catalog, listed below are the Fashion Courses Required, the Business

Courses Required, and the Additional Program Requirements for completion of the B.S. in Fashion Merchandising, Planning emphasis. Also shown below is the Suggest Rotation of Courses for completion of the degree in four years.

Fashion Courses Required

Within the fashion courses required, 27 of the 45 required hours must be upper-level semester credit hours.

FT 1073	Textiles	3
FT 1083	Fashion Aesthetics, Products, and Industries	3
FT 2033	Principles of Fashion Marketing	3
FT 2703	Production Techniques	3
FT 3023	Career Development Strategies	3
FT 3043	Global Production and Trade	3
FT 3063	Fashion Promotion	3
FT 3103	Merchandise Planning and Control	3
FT 4083	Global Perspectives of Dress and Adornment	3
FT 4103	Advanced Merchandise Planning and Control	3
FT 4113	Retail Buying	3
FT 4123	Retail Product Management and Information Analysis	3
FT 4603	Fashion Event Planning and Production	3
FT 4976	Internship in Fashion Merchandising	6
Total Semester Credit Hours		45

Business Courses Required

Within the business courses required, 15 of the 24 required hours must be upper-level semester credit hours.

BUS 2043	Fundamentals of Accounting I	3
BUS 2053	Fundamentals of Accounting II	3
BUS 3053	Business Finance	3
BUS 3113	Principles of Marketing	3
BUS 3513	Professional Presentation Strategies	3
BUS 4063	Retailing	3
BUS 4113	Marketing Research	3
BUS 4213	Consumer Behavior	3
Total Semester Credit Hours		24

Additional Program Requirements

BUS 3243	Entrepreneurship	3
or FT 3173	Global Fashion Study	
CSCI 2433	Microcomputer Applications	3
MATH 2203	Business Analysis I	3
The Additional Program Requirements listed below apply ONLY if not completed through program-suggested general core requirements		
ECO 1013	Principles of Microeconomics (if not completed through general core requirements; the degree requires the completion of 3 hours of Economics from among ECO 1013 and ECO 1023; hours taken substitute for BUS 3513 in major requirements)	
or ECO 1023	Principles of Macroeconomics	
MATH 1703	Elementary Statistics I (if not completed through core requirements; the degree requires the completion of 9 hours of Math from among MATH 1013, 1703, 1713, and 2203; hours taken substitute for BUS 3513 in minor requirements)	
or MATH 10	Financial and Quantitative Literacy	
Total Semester Credit Hours		9

Suggested Rotation of Courses

First Year

Fall		**TCCN**	**Semester Credit Hours**
FT 1083	Fashion Aesthetics, Products, and Industries		3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Creative Arts Core			3
Wellness/Mathematics CAO Core (Fashion Program-suggested core courses of MATH 1013 or MATH 1703 are strongly advised)			2
	Semester Credit Hours		15
Spring		**TCCN**	
FT 1073	Textiles	HECO 1320	3
CSCI 2433	Microcomputer Applications	BCIS 1301, COSC 1301	3
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core (Fashion Program-suggested core courses of MATH 1013 or MATH 1703 are strongly advised)			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
FT 2033	Principles of Fashion Marketing	HECO 2311	3
BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3

Social/Behavioral Science Core (Fashion Program-suggested core courses of ECO 1013 or ECO 1023 are strongly advised)			3
	Semester Credit Hours		15
Spring		**TCCN**	
FT 2703	Production Techniques		3
BUS 2053	Fundamentals of Accounting II	ACCT 2302, ACCT 2402	3
GOV 2023	Texas Government	GOVT 2306	3
Language, Philosophy, and Culture Core			3
Life/Physical Science Core			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
FT 3043 (GP)	Global Production and Trade		3
FT 3063	Fashion Promotion		3
FT 3103	Merchandise Planning and Control		3
BUS 3113	Principles of Marketing		3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
FT 3023	Career Development Strategies		3
FT 4123	Retail Product Management and Information Analysis		3
FT 4603	Fashion Event Planning and Production		3
BUS 3243 (or) FT 3173	Entrepreneurship Global Fashion Study		3
MATH 2203	Business Analysis I	MATH 1324	3
	Semester Credit Hours		15
Summer		**TCCN**	
FT 4976	Internship in Fashion Merchandising		6
	Semester Credit Hours		6

Fourth Year

Fall		**TCCN**	
FT 4083 (GP)	Global Perspectives of Dress and Adornment		3
BUS 3053	Business Finance		3
BUS 3513	Professional Presentation Strategies		3
BUS 4213	Consumer Behavior		3
	Semester Credit Hours		12
Spring		**TCCN**	
FT 4103	Advanced Merchandise Planning and Control		3
FT 4113	Retail Buying		3
BUS 4063	Retailing		3
BUS 4113	Marketing Research		3
	Semester Credit Hours		12
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Fashion Merchandising and BBA in General Business (Entrepreneurship Emphasis)

Total Semester Credit Hours Required

150 semester credit hours.

Major

99 semester credit hours.

Bachelor of Science in Fashion Merchandising *and* Bachelor of Business Administration in General Business (Entrepreneurship emphasis) - Dual Degree Program of Study

The B.S. in Fashion Merchandising and B.B.A. in General Business, Entrepreneurship emphasis dual degree program provides graduates with the wealth of knowledge and skills needed for entrepreneurial success in the fashion industry, particularly in owning and operating a small retail or wholesale business. In addition to the Core Curriculum Requirements (p. 47) that can be found elsewhere in this catalog, listed below are the Fashion Merchandising Courses Required, the Business Courses Required, and the Additional Program Requirements for completion of the B.S. in Fashion Merchandising and B.B.A. in General Business, Entrepreneurship emphasis dual degree program. Also shown below is the Suggested Rotation of Courses for completion of the dual degrees in four years.

Fashion Merchandising Courses Required

Within the fashion merchandising courses required, 27 of the 45 required hours must be upper-level semester credit hours.

FT 1073	Textiles	3
FT 1083	Fashion Aesthetics, Products, and Industries	3
FT 2033	Principles of Fashion Marketing	3
FT 2703	Production Techniques	3
FT 3023	Career Development Strategies	3
FT 3043	Global Production and Trade	3
FT 3063	Fashion Promotion	3
FT 3103	Merchandise Planning and Control	3
FT 4083	Global Perspectives of Dress and Adornment	3
FT 4103	Advanced Merchandise Planning and Control	3
FT 4113	Retail Buying	3
FT 4123	Retail Product Management and Information Analysis	3
FT 4603	Fashion Event Planning and Production	3
FT 4976	Internship in Fashion Merchandising	6
Total Semester Credit Hours		45

Business Courses Required

Within the business courses required, 39 of the 51 required hours must be upper-level semester credit hours.

BUS 2043	Fundamentals of Accounting I	3
BUS 2053	Fundamentals of Accounting II	3
BUS 3003	Principles of Management	3
BUS 3013	Business Law and Ethics	3
BUS 3053	Business Finance	3
BUS 3113	Principles of Marketing	3
BUS 3183	Introduction to International Business	3
BUS 3243	Entrepreneurship	3
BUS 3273	Human Resource Management	3
BUS 3513	Professional Presentation Strategies	3
BUS 3533	Management Information Systems	3
BUS 4063	Retailing	3
BUS 4093	Principles of Selling	3
BUS 4173	Accounting Infomation Systems	3
BUS 4213	Consumer Behavior	3
BUS 4333	Business Policy	3
BUS 4443	Small Business Management	3
Total Semester Credit Hours		51

Additional Program Requirements

BUS 3103	Cost Accounting	3
or FT 3173	Global Fashion Study	
CSCI 2433	Microcomputer Applications	3
ECO 1013	Principles of Microeconomics	3
or ECO 1023	Principles of Macroeconomics	
MATH 1713	Elementary Statistics II	3
The Additional Program Requirements listed below apply ONLY if not completed through program-suggested general core requirements		
ECO 1023	Principles of Macroeconomics (if not completed through general core requirements; the degree requires the completion of 6 hours of Economics from among ECO 1013 and ECO 1023; hours taken substitute for BUS 3513 in major requirements)	
or ECO 101	Principles of Microeconomics	
MATH 1703	Elementary Statistics I (if not completed through core requirements; the degree requires the completoin of 9 hours of Math from among MATH 1013, MATH 1703, MATH 1713, and MATH 2203; hours taken substitute for BUS 3513 in major requirements)	
or MATH 2203	Business Analysis I	
Total Semester Credit Hours		12

Suggested Rotation of Courses

First Year

Fall		TCCN	Semester Credit Hours
FT 1083	Fashion Aesthetics, Products, and Industries		3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Creative Arts Core			3
Social/Behavioral Science Core (Fashion Program-suggested core courses of ECO 1013 or ECO 1023 are strongly advised)			3

Wellness/Mathematics Core (Fashion Program-suggested core courses of MATH 1703, MATH 1713, or MATH 2203 are strongly advised)			2
	Semester Credit Hours		18
Spring		**TCCN**	
FT 1073	Textiles	HECO 1320	3
CSCI 2433	Microcomputer Applications	BCIS 1301, COSC 1301	3
ECO 1013 (or)	Principles of Microeconomics	ECON 2302	3
ECO 1023	Principles of Macroeconomics	ECON 2301	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core (Fashoin Program-suggested core courses of MATH 1703, MATH 1713, or MATH 2203 are strongly advised)			3
	Semester Credit Hours		18

Second Year

Fall		**TCCN**	
FT 2033	Principles of Fashion Marketing	HECO 2311	3
BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
GOV 2013	U.S. National Government	GOVT 2305	3
Language, Philosophy, and Culture Core			3
Life/Physical Science Core			3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		18
Spring		**TCCN**	
FT 2703	Production Techniques		3
BUS 2053	Fundamentals of Accounting II	ACCT 2302, ACCT 2402	3
BUS 3003	Principles of Management		3
BUS 3113	Principles of Marketing		3
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
	Semester Credit Hours		18

Third Year

Fall		**TCCN**	
FT 3043 (GP)	Global Production and Trade		3
FT 3063	Fashion Promotion		3
FT 3103	Merchandise Planning and Control		3
BUS 3013	Business Law and Ethics		3
BUS 3533	Management Information Systems		3
BUS 4443	Small Business Management		3
	Semester Credit Hours		18
Spring		**TCCN**	
FT 3023	Career Development Strategies		3
FT 4123	Retail Product Management and Information Analysis		3
FT 4603	Fashion Event Planning and Production		3
BUS 3103 (or)	Cost Accounting		3
FT 3173	Global Fashion Study		
BUS 3273	Human Resource Management		3
MATH 1713	Elementary Statistics II		3
	Semester Credit Hours		18
Summer		**TCCN**	
FT 4976	Internship in Fashion Merchandising		6
	Semester Credit Hours		6

Fourth Year

Fall		**TCCN**	
FT 4083 (GP)	Global Perspectives of Dress and Adornment		3
BUS 3053	Business Finance		3
BUS 3183	Introduction to International Business		3

BUS 3243	Entrepreneurship	3
BUS 3513	Professional Presentation Strategies	3
BUS 4093	Principles of Selling	3
	Semester Credit Hours	18
Spring	**TCCN**	
FT 4103	Advanced Merchandise Planning and Control	3
FT 4113	Retail Buying	3
BUS 4063	Retailing	3
BUS 4173	Accounting Infomation Systems	3
BUS 4213	Consumer Behavior	3
BUS 4333	Business Policy	3
	Semester Credit Hours	18
	Total Semester Credit Hours:	150

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Fashion Merchandising and B.B.A. in Management

Total Semester Credit Hours Required

150 semester credit hours.

Major

99 semester credit hours.

Bachelor of Science in Fashion Merchandising *and* Bachelor of Business Administration in Management - Dual Degree Program of Study

The B.S. in Fashion Merchandising and B.B.A. in Management dual degree program provides graduates with the wealth of knowledge and skills that is desirable for a career in retail store management or human resource management at a store, district, regional, or corporate level. In addition to the Core Curriculum Requirements (p. 47) that can be found elsewhere in this catalog, listed below are the Fashion Merchandising Courses Required, the Business Courses Required, and the Additional Program Requirements for completion of the B.S. in Fashion Merchandising and B.B.A. in Marketing dual degree program.

Also shown below is the suggested rotation of courses for completion of the dual degrees in four years.

Fashion Merchandising Courses Required

Within the fashion merchandising courses required, 27 of the 45 required hours must be upper-level semester credit hours.

FT 1073	Textiles	3
FT 1083	Fashion Aesthetics, Products, and Industries	3
FT 2033	Principles of Fashion Marketing	3
FT 2703	Production Techniques	3
FT 3023	Career Development Strategies	3
FT 3043	Global Production and Trade	3
FT 3063	Fashion Promotion	3
FT 3103	Merchandise Planning and Control	3
FT 4083	Global Perspectives of Dress and Adornment	3
FT 4103	Advanced Merchandise Planning and Control	3
FT 4113	Retail Buying	3
FT 4123	Retail Product Management and Information Analysis	3
FT 4603	Fashion Event Planning and Production	3
FT 4976	Internship in Fashion Merchandising	6
Total Semester Credit Hours		45

Business Courses Required

Within the business courses required, 39 of the 51 required hours must be upper-level semester credit hours.

BUS 2043	Fundamentals of Accounting I	3
BUS 2053	Fundamentals of Accounting II	3
BUS 3003	Principles of Management	3
BUS 3013	Business Law and Ethics	3
BUS 3053	Business Finance	3
BUS 3113	Principles of Marketing	3
BUS 3273	Human Resource Management	3
BUS 3513	Professional Presentation Strategies	3
BUS 3533	Management Information Systems	3
BUS 4063	Retailing	3
BUS 4213	Consumer Behavior	3
BUS 4223	Human Behavior in Business Administration	3
BUS 4243	Financial Management	3
BUS 4273	Management of Compensation	3
or BUS 4543	Quantitative Management Analysis	
BUS 4303	Employment Staffing	3
BUS 4333	Business Policy	3
BUS 4443	Small Business Management	3
Total Semester Credit Hours		51

Additional Program Requirements

BUS 4103	Training and Development	3
or FT 3173	Global Fashion Study	
CSCI 2433	Microcomputer Applications	3
ECO 1013	Principles of Microeconomics	3
or ECO 1023	Principles of Macroeconomics	
MATH 1713	Elementary Statistics II	3

The Additional Program Requirements listed below apply ONLY if not completed through program-suggested general core requirements		
ECO 1023	Principles of Macroeconomics (if not completed through general core requirements; the degree requires the completion of 6 hours of Economics from among ECO 1013 and ECO 1023; hours taken substitute for BUS 3513 in major requirements)	
or ECO 1013	Principles of Microeconomics	
MATH 2203	Business Analysis I (if not completed through core requirements; the degree requires the completion of 9 hours of Math from among MATH 1013, MATH 1703, MATH 1713, and MATH 2203; hours taken substitute for BUS 3513 in major requirements)	
or MATH 1783	Elementary Statistics I	
Total Semester Credit Hours		12

Suggested Rotation of Courses

First Year

Fall		TCCN	Semester Credit Hours
FT 1083	Fashion Aesthetics, Products, and Industries		3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Creative Arts Core			3
Social/Behavioral Science Core (Fashion Program-suggested core courses of ECO 1013 or ECO 1023 are strongly advised)			3
Wellness/Mathematics CAO Core (Fashion Program-suggested core courses of MATH 1703, MATH 1713, or MATH 2203 are strongly advised)			2
	Semester Credit Hours		18
Spring		**TCCN**	
FT 1073	Textiles	HECO 1320	3
CSCI 2433	Microcomputer Applications	BCIS 1301, COSC 1301	3
ECO 1013 (or)	Principles of Microeconomics	ECON 2302	3
ECO 1023	Principles of Macroeconomics	ECON 2301	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core (Fashion Program-suggested core courses of MATH 1703, MATH 1713, or MATH 2203 are strongly advised)			3
	Semester Credit Hours		18

Second Year

Fall		TCCN	
FT 2033	Principles of Fashion Marketing	HECO 2311	3
BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
GOV 2013	U.S. National Government	GOVT 2305	3
Language, Philosophy, and Culture Core			3
Life/Physical Science Core			3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		18
Spring		**TCCN**	
FT 2703	Production Techniques		3
BUS 2053	Fundamentals of Accounting II	ACCT 2302, ACCT 2402	3
BUS 3003	Principles of Management		3
BUS 3113	Principles of Marketing		3
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
	Semester Credit Hours		18

Third Year

Fall		TCCN	
FT 3043 (GP)	Global Production and Trade		3
FT 3063	Fashion Promotion		3
FT 3103	Merchandise Planning and Control		3
BUS 3013	Business Law and Ethics		3
BUS 3533	Management Information Systems		3

BUS 4443	Small Business Management	3
	Semester Credit Hours	18
Spring	**TCCN**	
FT 3023	Career Development Strategies	3
FT 4123	Retail Product Management and Information Analysis	3
FT 4603	Fashion Event Planning and Production	3
BUS 3273	Human Resource Management	3
BUS 4103 (or)	Training and Development	3
FT 3173	Global Fashion Study	
MATH 1713	Elementary Statistics II	3
	Semester Credit Hours	18
Summer	**TCCN**	
FT 4976	Internship in Fashion Merchandising	6
	Semester Credit Hours	6
Fourth Year		
Fall	**TCCN**	
FT 4083 (GP)	Global Perspectives of Dress and Adornment	3
BUS 3053	Business Finance	3
BUS 3513	Professional Presentation Strategies	3
BUS 4223	Human Behavior in Business Administration	3
BUS 4273 (or)	Management of Compensation	3
BUS 4543	Quantitative Management Analysis	
BUS 4303	Employment Staffing	3
	Semester Credit Hours	18
Spring	**TCCN**	
FT 4103	Advanced Merchandise Planning and Control	3
FT 4113	Retail Buying	3
BUS 4063	Retailing	3
BUS 4213	Consumer Behavior	3
BUS 4243	Financial Management	3
BUS 4333	Business Policy	3
	Semester Credit Hours	18
	Total Semester Credit Hours:	150

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Fashion Merchandising and B.B.A. in Marketing

Total Semester Credit Hours Required

147 semester credit hours.

Major

96 semester credit hours.

Bachelor of Science in Fashion Merchandising *and* Bachelor of Business Administration in Marketing - Dual Degree Program of Study

The B.S. in Fashion Merchandising and B.B.A. in Marketing dual degree program prepares graduates to work in corporate retail and design environments in careers that require exceptional merchandising and business marketing foundations. In addition, to the Core Curriculum Requirements (p. 47) that can be found elsewhere in this catalog, listed below are the Fashion Merchandising Courses Required, the Business Courses Required, and the Additional Program Requirements for completion of the B.S. in Fashion Merchandising and B.B.A. in Marketing dual degree program. Also shown below is the Suggested Rotation of Courses for completion of the dual degrees in four years.

Fashion Merchandising Courses Required

Within the fashion merchandising courses required, 27 of the 45 required hours must be upper-level semester credit hours.

FT 1073	Textiles	3
FT 1083	Fashion Aesthetics, Products, and Industries	3
FT 2033	Principles of Fashion Marketing	3
FT 2703	Production Techniques	3
FT 3023	Career Development Strategies	3
FT 3043	Global Production and Trade	3

FT 3063	Fashion Promotion	3
FT 3103	Merchandise Planning and Control	3
FT 4083	Global Perspectives of Dress and Adornment	3
FT 4103	Advanced Merchandise Planning and Control	3
FT 4113	Retail Buying	3
FT 4123	Retail Product Management and Information Analysis	3
FT 4603	Fashion Event Planning and Production	3
FT 4976	Internship in Fashion Merchandising	6
Total Semester Credit Hours		45

Business Courses Required

Within the business courses required, 36 of the 48 required hours must be upper-level semester credit hours.

BUS 2043	Fundamentals of Accounting I	3
BUS 2053	Fundamentals of Accounting II	3
BUS 3003	Principles of Management	3
BUS 3013	Business Law and Ethics	3
BUS 3053	Business Finance	3
BUS 3113	Principles of Marketing	3
BUS 3513	Professional Presentation Strategies	3
BUS 3533	Management Information Systems	3
BUS 4063	Retailing	3
BUS 4093	Principles of Selling	3
BUS 4113	Marketing Research	3
BUS 4153	Services Marketing	3
or BUS 4353	International Marketing	
BUS 4213	Consumer Behavior	3
BUS 4333	Business Policy	3
BUS 4553	Advanced Marketing	3
BUS 4503	Internet Marketing	3
Total Semester Credit Hours		48

Additional Program Requirements

BUS 3243	Entrepreneurship	3
or FT 3173	Global Fashion Study	
CSCI 2433	Microcomputer Applications	3
ECO 1013	Principles of Microeconomics	3
or ECO 1023	Principles of Macroeconomics	
MATH 1713	Elementary Statistics II	3
The Additional Program Requirements listed below apply ONLY if not completed through program-suggested general core requirements		
ECO 1023	Principles of Macroeconomics (if not completed through general core requirements; the degree requires the completion of 6 hours of Economics from among ECO 1013 and ECO 1023; hours taken substitute for BUS 3513 in major requirements)	
or ECO 1013	Principles of Microeconomics	
MATH 1703	Elementary Statistics I (if not completed through core requirements; the degree requires the completion of 9 hours of Math from among MATH 1013, MATH 1703, MATH 1713, and MATH 2203; hours taken substitute for BUS 3513 in minor requirements)	
or MATH 2203	Business Analysis I	
Total Semester Credit Hours		12

Suggested Rotation of Courses

First Year

Fall		**TCCN**	**Semester Credit Hours**
FT 1083	Fashion Aesthetics, Products, and Industries		3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Creative Arts Core			3
Social/Behavioral Science Core (Fashion Program-suggested core courses of ECO 1013 or ECO 1023 are strongly advised)			3
Wellness/Mathematics Core (Fashion Program-suggested core courses of MATH 1703, MATH 1713, or MATH 2203 are strongly advised)			2
	Semester Credit Hours		18
Spring		**TCCN**	
FT 1073	Textiles	HECO 1320	3
CSCI 2433	Microcomputer Applications	BCIS 1301, COSC 1301	3
ECO 1013 (or)	Principles of Microeconomics	ECON 2302	3
ECO 1023	Principles of Macroeconomics	ECON 2301	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core (Fashion Program-suggested core courses of MATH 1703, MATH 1713, or MATH 2203 are strongly advised)			3
	Semester Credit Hours		18

Second Year

Fall		**TCCN**	
FT 2033	Principles of Fashion Marketing	HECO 2311	3
BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
GOV 2013	U.S. National Government	GOVT 2305	3
Language, Philosophy, and Culture Core			3
Multicultural Women's Studies CAO Core			3
Life/Physical Science Core			3
	Semester Credit Hours		18

Spring		**TCCN**	
FT 2703	Production Techniques		3
BUS 2053	Fundamentals of Accounting II	ACCT 2302, ACCT 2402	3
BUS 3003	Principles of Management		3
BUS 3113	Principles of Marketing		3
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
	Semester Credit Hours		18

Third Year

Fall		**TCCN**	
FT 3043 (GP)	Global Production and Trade		3
FT 3063	Fashion Promotion		3
FT 3103	Merchandise Planning and Control		3
BUS 3013	Business Law and Ethics		3
BUS 3533	Management Information Systems		3
BUS 4503	Internet Marketing		3
	Semester Credit Hours		18

Spring		**TCCN**	
FT 3023	Career Development Strategies		3
FT 4123	Retail Product Management and Information Analysis		3
FT 4603	Fashion Event Planning and Production		3
BUS 3243	Entrepreneurship		3
FT 3173	Global Fashion Study		
MATH 1713	Elementary Statistics II		3
	Semester Credit Hours		15

Summer		**TCCN**	
FT 4976	Internship in Fashion Merchandising		6
	Semester Credit Hours		6

Fourth Year

Fall		**TCCN**	
FT 4083 (GP)	Global Perspectives of Dress and Adornment		3
BUS 3053	Business Finance		3
BUS 3513	Professional Presentation Strategies		3
BUS 4093	Principles of Selling		3
BUS 4113	Marketing Research		3
BUS 4153	Services Marketing		3
	Semester Credit Hours		18

Spring		**TCCN**	
FT 4103	Advanced Merchandise Planning and Control		3
FT 4113	Retail Buying		3
BUS 4063	Retailing		3
BUS 4213	Consumer Behavior		3
BUS 4333	Business Policy		3
BUS 4553	Advanced Marketing		3
	Semester Credit Hours		18
	Total Semester Credit Hours:		147

(GP) courses satisfy global perspectives graduation requirement.

School of the Arts

Web Site: http://www.twu.edu/arts/

Co-Coordinators:

Mary Williford-Shade, Professor
Location: *DGL 206A*
Phone: *940-898-2086*
Fax: *940-898-2098*

Pamela Youngblood, Professor
Location: *MUSIC 114*
Phone: *940-898-2500*
Fax: *940-898-2494*

The School of the Arts brings together the Departments of Dance, Music and Drama, and Visual Arts. The School is a community of artists, educators, therapists, and scholars, and serves a diverse student population, especially women, within a liberal arts context.

Interdisciplinary artistic engagement is integral to the School of the Arts. Student and faculty creative involvement is encouraged, across traditional and new media, in a spirit of innovative and inventive collaboration. The faculty and students in dance, drama, music and visual arts come together to share in performance arts productions, concerts, exhibitions and cross-disciplinary projects and programs. The School is committed to promoting understanding and appreciation of the power of the arts to reflect and influence society and to make a difference in the lives of the people they serve.

Performing and exhibiting facilities include the 1150-seat Margo Jones Performance Hall, Redbud Theatre Complex, Eberly Recital Hall, Studio Theatre in the Dance Building and studio performance spaces in Pioneer Hall, and two professional quality galleries in the Visual Arts Building.

Students may major in any one of the departments with degree programs leading to the Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts, the Master of Arts, Master of Fine Arts, and in Dance, the Doctor of Philosophy degree.

Teacher certification programs are offered in dance, music and visual arts. Department statements, degree requirements, and course listings for each individual department are in the department sections of this catalog.

For more information please see the School of the Arts (http://www.twu.edu/arts) website.

Department of Dance

Web Site: http://www.twu.edu/dance

Chair: *Mary Williford-Shade, Professor*
Location: *DGL 206*
Phone: *940-898-2085*
Fax: *940-898-2098*
E-mail*: dance@twu.edu*

Undergraduate Degrees Offered

- B.A. in Dance (p. 213)
- B.A. in Dance (8-12 Dance Certification) (p. 215)

The Department of Dance (http://www.twu.edu/dance) offers dance major programs leading to the Bachelor of Arts, Master of Arts, Master of Fine Arts, and Doctor of Philosophy degrees. An undergraduate program may be selected in dance studies or dance education leading to secondary teacher certification in dance. Texas Woman's University Department of Dance is an accredited institutional member of the National Association of Schools of Dance.

Degree programs are designed to prepare dance artists, scholars and/or educators who are well-grounded in the theories and contexts of dance as an art form and cultural expression. Integrating studio and theoretical studies, the various programs provide a comprehensive approach to dance learning which merges technique, performance, and choreography with in-depth study of dance in artistic, social and cultural contexts.

The dance major core curriculum emphasizes contemporary modern dance, improvisation, pedagogy, choreography, dance in diverse cultures, history and performance. Learning in these areas is enhanced by the study of movement analysis and somatic practices as well as ballet and urban /global dance practices.

Students are required to attend a placement audition to be considered as a dance major. In addition, it provides an opportunity for the faculty to determine each student's placement level in dance technique courses. Students will progress through graded levels with each level representing one year of study. To ensure safe and sound preparation, a student progresses to the next level upon recommendation of the Dance Practice Committee. Transfer students must be placed at Level III (via placement audition) to meet the Ballet II competency by transfer credit. Except where indicated in the teacher certification program, each dance major must register for at least one dance technique course each semester. A grade of C or higher is necessary before enrolling in a succeeding course in the choreography sequence (DNCE 1191, DNCE 2202, DNCE 3292, DNCE 4182). A grade of C or higher must be earned in all courses required for the dance major. In each of the areas of Dance Practice, Choreography, and Performance, fifty-percent of the semester credit hours must be taken at TWU.

Performing and choreographing are integral parts of the dance learning experience and students are encouraged to audition for the variety of performing opportunities offered each semester and to choreograph and present their works in the fall and spring choreography concerts. Dance majors who are performing or choreographing must register for an appropriate performance or choreography workshop course and must meet the conditions specified in the performance policy.

Detailed information about the undergraduate dance major program may be found in the "Undergraduate Dance Student and Advisor Handbook" available online at the Dance Department's website (http://www.twu.edu/dance).

Dance Courses for Non-Dance Major Students

Dance major courses, including upper-level ballet and modern dance courses, are open to non-major students if space is available; dance majors have priority for courses required for the major. Approval of the instructor or Department Chair is required. The Department of Dance offers the following courses open to all students.

DNCE 1011	Introduction to Ballet
DNCE 1021	Ballroom/Popular Club Dance
DNCE 1051	Introduction to Modern Dance
DNCE 1061	Introduction to Jazz Dance
DNCE 1071	Introduction to Tap Dance
DNCE 1081	Dance Aerobic Fitness
DNCE 1091	Dance Physical Conditioning/Body Work
DNCE 2143	Dance and Globalization
DNCE 2162	Wellness through Movement
DNCE 2183	Introduction to Movement Analysis and Description
DNCE 2383	Gendered Images in Dance and Performance
DNCE 2393	Understanding the Arts: Dance
DNCE 3373	World of the Imagination in Art, Dance, and Film
DNCE 4383	Performing Arts in American Popular Culture

Admissions

Please see admission section (p. 18) of this catalog. In addition to these general requirements, auditions for placement in dance major ballet and modern dance practice are required. Placement auditions for new students are held the week before classes begin in the fall semester. Students entering in the spring should schedule a placement audition with a dance advisor or the Department Chair. Please visit the Dance Department web page (http://www.twu.edu/dance) for additional information.

Minors

Dance Minor

The dance minor for the baccalaureate degree is intended to provide students majoring in other academic fields with a sub-concentration in the area of dance studies. The minor in dance requires 18 semester credit hours of study in dance; six of which must be advanced. A minor degree plan detailing required courses and suggested electives is available. See the Dance Department web page (http://www.twu.edu/dance).

Dance majors may not select dance as a minor.

Courses

DNCE 1011. Introduction to Ballet. (TCCN DANC 1141, DANC 1142) Introduction to classical ballet technique for non-dance major beginning students. May be repeated once for credit. Three studio hours a week. Credit: One hour.

DNCE 1021. Ballroom/Popular Club Dance. (TCCN DANC 1128, DANC 1133, DANC 1134) A variety of popular dances such as swing, salsa, tejano, country-western, and traditional ballroom dances; participation in leisure, social, and/or theatre dance settings. May be repeated once for credit. Three studio hours a week. Credit: One hour.

DNCE 1051. Introduction to Modern Dance. (TCCN DANC 1145, DANC 1146) Introduction to modern dance technique for non-dance major beginning students. May be repeated once for credit. Three studio hours a week. Credit: One hour.

DNCE 1061. Introduction to Jazz Dance. (TCCN DANC 1147, DANC 1122) Introduction to jazz dance technique for non-dance major beginning students. May be repeated once for credit. Three studio hours a week. Credit: One hour.

DNCE 1071. Introduction to Tap Dance. (TCCN DANC 1110, DANC 1111) Introduction to tap dance technique for non-dance major beginning students. May be repeated once for credit. Three studio hours a week. Credit: One hour.

DNCE 1081. Dance Aerobic Fitness. Development of cardiovascular fitness, flexibility, strength and movement coordination through participation in various dance aerobic forms. May be repeated for credit when topic varies. Three studio hours a week. Credit: One hour.

DNCE 1091. Dance Physical Conditioning/Body Work. Physical conditioning based on the theories of Joseph Pilates to increase strength, flexibility, range of motion, and coordination. May be repeated once for credit. Three studio hours a week. Credit: One hour.

DNCE 1101. Beginning Dance Performance. (TCCN DANC 1151) Beginning performance techniques. Participation in dance performances. May be repeated once for additional credit. Co-requisite: Must be registered concurrently in a ballet, modern, or urban global technique class. Four studio hours a week. Credit: One hour.

DNCE 1111. Elementary Ballet I. (TCCN DANC 1341) Beginning ballet technique, barre, center work, beginning enchainements; emphasis on alignment. May be repeated once for additional credit. Three studio hours a week. Credit: One hour.

DNCE 1121. Elementary Ballet II. (TCCN DANC 1342) Continuation of DNCE 1111. May be repeated once for additional credit. Three studio hours a week. Credit: One hour.

DNCE 1151. Elementary Modern Dance I. (TCCN DANC 2145, DANC 1345) Beginning professional-level study. May be repeated once for additional credit. Four and one-half studio hours a week. Credit: One hour.

DNCE 1161. Elementary Modern Dance II. (TCCN DANC 1346, DANC 2146)Continuation of DNCE 1151. Elementary techniques and combinations. May be repeated once for additional credit. Prerequisite DNCE 1151. Four and one-half studio hours a week. Credit: One hour.

DNCE 1171. Bartenieff Fundamentals of Movement. Application of Bartenieff Fundamentals of Movement to prepare the body for dance training by re-educating movement patterns. May be repeated once for additional credit. Three studio hours a week. Credit: One hour.

DNCE 1191. Improvisation. (TCCN DANC 1113) Exploration of movement and visual design through improvisation. Three studio hours a week. Credit: One hour.

DNCE 2101. Intermediate Dance Performance. (TCCN DANC 2151) Intermediate performance techniques. Participation in dance performances. May be repeated once for additional credit. Prerequisite: Permission of instructor. Co-requisite: Must be concurrently enrolled in a ballet, modern, or urban global technique class. Four studio hours a week. Credit: One hour.

DNCE 2111. Intermediate Ballet I. (TCCN DANC 2141) Basic technique class in ballet, barre, center work, basic enchainements. May be repeated once for additional credit. Prerequisites: DNCE 1111 and DNCE 1121. Three studio hours a week. Credit: One hour.

DNCE 2121. Intermediate Ballet II. (TCCN DANC 2142, DANC 2341) Continuation and progression of Intermediate Ballet I. Introduction of pointe work. May be repeated once for additional credit. Prerequisite: DNCE 2111. Three studio hours a week. Credit: One hour.

DNCE 2143. Dance and Globalization. (TCCN DANC 1305) Critical examinations of world dance forms and their social, cultural, and political significance. Three lecture hours a week. Credit: Three hours.

DNCE 2151. Intermediate Modern Dance I. (TCCN DANC 2245, DANC 2345) Intermediate-level study in modern dance. May be repeated once for additional credit. Prerequisites: DNCE 1151 and DNCE 1161. Four and one-half studio hours a week. Credit: One hour.

DNCE 2161. Intermediate Modern Dance II. (TCCN DANC 2246, DANC 2346) Continuation and progression of Intermediate Modern Dance I. May be repeated once for additional credit. Prerequisite: DNCE 2131. Four and one-half studio hours a week. Credit: One hour.

DNCE 2162. Wellness through Movement. Wellness course utlizing studio explorations of movement and dance as related to health, somatics, creativity, social awareness and related contexts. Two lecture hours a week. Credit: Two hours.

DNCE 2171. Beginning Urban and Global Dance Practices. Beginning technical proficiency, improvisation, and repertory in urban and global dance genres. May be repeated once for additional credit. Three studio hours a week. Credit: One hour.

DNCE 2183. Introduction to Movement Analysis and Description. Perception and description of movement, emphasis on the Laban Movement Analysis framework and its application to technique, performance, and choreography. Prerequisites: DNCE 1091 and Level II Technique. Two lecture and two studio hours a week. Credit: Three hours.

DNCE 2202. Dance Composition. Explorations of choreographic tools; emphasis on stage space, dynamic structure, rythmic pattern, props and chance composition. One lecture and three studio hours a week. Credit: Two hours.

DNCE 2383. Gendered Images in Dance and Performance. Survey of the development of gendered images in various dance genres and events embedded in U.S. culture; how movement expression inscribes markers of identity such as gender, race, ethnicity, and sexuality and their inscription on the body in performance. Three lecture hours a week. Credit: Three hours.

DNCE 2393. Understanding the Arts: Dance. (TCCN DANC 2303, DANC 2304)Dance as a communicative and multicultural art form in society; introduction to the aesthetic and critical dimensions of viewing various idioms of theatrical, ethnological, and ritual dance. Three lecture hours a week. Credit: Three hours.

DNCE 3101. Advanced Dance Performance. (TCCN DANC 1112, DANC 1151) Advanced performance techniques. Participation in dance performances. May be repeated once for additional credit. Prerequisites: Permission of instructor. Co-requisite: Must be concurrently enrolled in a ballet, modern or, urban global technique class. Four studio hours a week. Credit: One hour.

DNCE 3111. Intermediate/Advanced Ballet I. Technique in ballet, pointe work. May be repeated once for additional credit. Prerequisite: DNCE 2121. Three studio hours a week. Credit: One hour.

DNCE 3121. Intermediate/Advanced Ballet II. Continuation and progression of Intermediate/Advanced Ballet I. May be repeated once for additional credit. Prerequisite: DNCE 3111. Three studio hours a week. Credit: One hour.

DNCE 3151. Intermediate/Advanced Modern Dance I. Intermediate-Advanced study in modern dance technique and repertory. May be repeated once for additional credit. Prerequisite: DNCE 2161. Four and one-half studio hours a week. Credit: One hour.

DNCE 3161. Intermediate/Advanced Modern Dance II. Continuation and progression of Intermediate/Advanced Modern Dance I. May be repeated once for additional credit. Prerequisite: DNCE 3151. Four and one-half studio hours a week. Credit: One hour.

DNCE 3191. Urban and Global Dance Practices. (TCCN DANC 2122, DANC 2123) Intermediate technical proficiency and improvisation in urban and global dance genres. Prerequisite: DNCE 2171. Three studio hours a week. Credit: One hour.

DNCE 3193. Experiential Anatomy for Dancers. Basic human anatomy and mechanical function of the muscular-skeletal system as applied to dance practices and technique. Concepts of kinesiology, somatic practices, and nutrition. Prerequisites: DNCE 1191 and DNCE 2183. Two lecture and two studio hours a week. Credit: Three hours.

DNCE 3292. Choreographic Designs. Development of artistic and critical evaluation process skills in choreography. Application of compositional principles to groups, special emphasis on selecting and working with accompaniment as an extension of the choreographic idea. Prerequisites: DNCE 1091 and DNCE 2183, or equivalent. One lecture hour and three studio hours a week. Credit: Two hours.

DNCE 3373. World of the Imagination in Art, Dance, and Film. Examines themes of fantasy and reality, emphasis on dance and visual arts with selected examples from other disciplines. Appropriate for all majors. Three lecture hours a week. Credit: Three hours.

DNCE 3393. History of Dance. Leading historical and contemporary ballet and modern dance choreographers, performers, and writers and the artistic and societal frameworks in which dance forms evolved; overview of jazz, tap, musical theatre dance forms. Three lecture hours a week. Credit: Three hours.

DNCE 3813. Theories of Teaching Dance Technique. Analysis of the teaching/learning process in dance with emphasis on the development of personal teaching philosophies and their application to a variety of settings. Prerequisites: DNCE 2183 and Level II technique. Three lecture hours a week. Credit: Three hours.

DNCE 3913. Summer Dance Intensive. Enrichment experiences in dance with distinguished guest artists incorporating sound, dance technique performance, improvisation, and/or choreography. May be repeated for additional credit. One lecture and three studio hours a week. Credit: Three hours.

DNCE 4123. Dance and Public Practice. Current artistic and social issues emerging within the field of community dance practice provide a framework for creating dance projects for members of the public in diverse community settings. Prerequisite: Level II technique. Two lecture and two studio hours a week. Credit: Three hours.

DNCE 4133. Dance Production. Theory and practice of staging dance productions: costume and lighting design, sound technology, and theatre safety. Three lecture hours a week. Credit: Three hours.

DNCE 4151. Advanced Modern Dance I. Advanced technique in modern dance technique and repertory. May be repeated once for additional credit. Prerequisite: DNCE 361. Four and one-half studio hours a week. Credit: One hour.

DNCE 4161. Advanced Modern Dance II. Continuation and progression of Advanced Modern Dance I. May be repeated once for additional credit. Prerequisite: DNCE 4151. Four and one-half studio hours a week. Credit: One hour.

DNCE 4182. Concert Choreography. Conceptualization, realization, direction, and production of choreographic works for formal and informal venues. May be repeated once for additional credit. Prerequisites: DNCE 1191 and DNCE 3292, or equivalent. Six studio hours a week. Credit: Two hours.

DNCE 4243. Children's Dance. Origins of form and meaning in children's dance and conceptions of the world as reflected in the expressive dance forms of children. Emphasis on critical and creative thinking, the communication of ideas through dance, and the investigation of movement as an expressive symbol system. Exploration of frameworks for integrating dance with other ways of knowing. Three lecture hours a week. Credit: Three hours.

DNCE 4383. Performing Arts in American Popular Culture. Performing Arts in American popular culture with emphasis on theatre, technology, and the media arts. Appropriate for all majors. Three lecture hours a week. Credit: Three hours.

DNCE 4393. Contemporary Trends and Issues in Choreography and Performance. Critical analysis of trends in contemporary dance through the process of viewing, performing, analyzing, and writing about dance. Prerequisite: Level II technique. Two lecture and two studio hours a week. Credit: Three hours.

DNCE 4911. Independent Study. Directed study of selected problems such as choreography of a suite of original dances or development and execution of plans for lighting, stage decor, and costumes. Credit: One hour.

DNCE 4913. Independent Study. Directed study of selected problems such as choreography of a suite of original dances or development and execution of plans for lighting, stage decor, and costumes. Credit: Three hours.

Faculty

Professors

CALDWELL, LINDA A., Professor of Dance. B.A., University of Iowa; M.F.A., University of Wisconsin, Madison; Ph.D., Texas Woman's University; C.M.A., Laban-Bartenieff Institute of Movement Studies.

WILLIFORD-SHADE, MARY A., Professor of Dance; Chair of the Department of Dance; Co-Coordinator of the School of the Arts. B.Ed., University of Arkansas; M.F.A., Ohio State University, Columbus; C.M.A., Laban-Bartenieff Institute of Movement Studies.

Associate Professors

FUCHS, JORDAN L., Associate Professor of Dance. B.A., Oberlin College; M.F.A., Ohio State University, Columbus.

GAMBLIN, SARAH A., Associate Professor of Dance. B.F.A., Ohio University, Athens; M.F.A., University of Washington.

Assistant Professors

CANDELARIO, ROSEMARY A., Assistant Professor of Dance. B.A., Boston University; M.A., University of California, Los Angeles; Ph.D., University of California, Los Angeles.

HENLEY, MATTHEW K., Assistant Professor of Dance. B.A., University of Arizona; B.F.A, University of Arizona; M.F.A. University of Washington, Ph.D., University of Washington.

MORGAN, ILANA, Assistant Professor of Dance. B.F.A., Ohio University; M.A., Texas Woman's University; Ph.D., Texas Woman's University.

Bachelor of Arts in Dance

Total Semester Credit Hours Required

120 semester credit hours.

Major

60 semester credit hours.

Related Studies

18 semester credit hours.

The Bachelor of Arts degree in Dance is designed to provide the undergraduate dance major with a comprehensive liberal arts-based curriculum integrating dance studies with a broad foundation in the humanities and the other arts, as well as in the biological, physical and social sciences. The goal of the program is to prepare students for dance careers in a variety of artistic and educational settings.

Required Dance Major Courses (60 semester credit hours)

Dance/Movement Practices (26 semester credit hours)

Students are placed in modern and ballet through an entrance placement exam and technique exams each semester. The student must achieve two semesters of Level 3 in modern dance and two semesters of Level 2 in ballet. If a student is placed in the upper levels, she or he still must complete the required number of technique credits. The ballet/modern technique requirement is fulfilled by meeting the minimum competency level and presenting the required number of credits. Except where indicated in the teacher certification program, each dance major must register for at least one contemporary modern dance practice course each semester, one ballet dance practice for four semesters, one Urban and Global Dance Practice for three semesters, and one Summer Dance Intensive. With Chair approval, students may take an additional Summer Dance Intensive to substitute for one Dance Practice credit. Summer Dance Intensives cannot be used to satisfy the Dance Practice competency requirements.

Somatic Practices (8 Semester credit hours)

DNCE 1091	Dance Physical Conditioning/Body Work	1
DNCE 1171	Bartenieff Fundamentals of Movement	1
DNCE 2183	Introduction to Movement Analysis and Description	3
DNCE 3193	Experiential Anatomy for Dancers	3
Total Semester Credit Hours		8

Technique Practice (18 semester credit hours)

Modern Dance Practice (based on placement audition)		8
DNCE 1151	Elementary Modern Dance I	
DNCE 1161	Elementary Modern Dance II	
DNCE 2151	Intermediate Modern Dance I	
DNCE 2161	Intermediate Modern Dance II	
DNCE 3151	Intermediate/Advanced Modern Dance I	
DNCE 3161	Intermediate/Advanced Modern Dance II	
DNCE 4151	Advanced Modern Dance I	
DNCE 4161	Advanced Modern Dance II	
Ballet Practice (based on placement audition)		4
DNCE 1111	Elementary Ballet I	
DNCE 1121	Elementary Ballet II	
DNCE 2111	Intermediate Ballet I	
DNCE 2121	Intermediate Ballet II	
DNCE 3111	Intermediate/Advanced Ballet I	
DNCE 3121	Intermediate/Advanced Ballet II	
Urban & Global Dance Practice		3
DNCE 2171	Beginning Urban and Global Dance Practices	
DNCE 3191	Urban and Global Dance Practices	
Summer Dance Intensive		3
DNCE 3913	Summer Dance Intensive	
Total Semester Credit Hours		18

Dancemaking (16 semester credit hours)

Choreography Courses		7
DNCE 1191	Improvisation	
DNCE 2202	Dance Composition	
DNCE 3292	Choreographic Designs	
DNCE 4182	Concert Choreography	
Performance Courses		9
DNCE 1101	Beginning Dance Performance (taken two times)	
DNCE 2101	Intermediate Dance Performance (taken two times)	
DNCE 3101	Advanced Dance Performance (taken two times)	
DNCE 4133	Dance Production	
Total Semester Credit Hours		16

Dance Theory (18 semester credit hours)

Dance and Identity		9
DNCE 2143	Dance and Globalization	
DNCE 3393	History of Dance	
DNCE 4393	Contemporary Trends and Issues in Choreography and Performance	

Pedagogical Communities		9
DNCE 3813	Theories of Teaching Dance Technique	
DNCE 4123	Dance and Public Practice	
DNCE 4243	Children's Dance	
Total Semester Credit Hours		18

Related Studies (18 semester credit hours)

The related studies courses are comprised of a coherent set of courses representing one or more areas of study. This set of courses should be related to the dance discipline or the student's personal, professional and/or career interests. With departmental approval, a 21 hour minor may be substituted for this 18 hour Related Studies option. The courses submitted to meet the Related Studies requirement will be determined in consultation with the advisor and must meet the following criteria:

1. 18 semester credit hours must be submitted to meet the Related Studies requirement.
2. The definition of a "cohesive set of courses" will be determined in consultation with the student's advisor.
3. No more than 6 dance elective hours may be presented.
4. At least 6 semester credit hours presented for the Related Studies requirement must be advanced hours (3000 or 4000 level).

Bachelor of Arts in Dance Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
DNCE 1091	Dance Physical Conditioning/ Body Work		1
DNCE 1101	Beginning Dance Performance	DANC 1151	1
DNCE 1111	Elementary Ballet I	DANC 1341	1
DNCE 1151	Elementary Modern Dance I	DANC 2145, DANC 1345	1
DNCE 1191	Improvisation	DANC 1113	1
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Mathematics Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
DNCE 1101	Beginning Dance Performance	DANC 1151	1
DNCE 1121	Elementary Ballet II	DANC 1342	1
DNCE 1161	Elementary Modern Dance II	DANC 1346, DANC 2146	1
DNCE 1171	Bartenieff Fundamentals of Movement		1
DNCE 2202	Dance Composition		2
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Language, Philosophy, & Culture Core			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
DNCE 2101	Intermediate Dance Performance	DANC 2151	1
DNCE 2111	Intermediate Ballet I	DANC 2141	1
DNCE 2151	Intermediate Modern Dance I	DANC 2245, DANC 2345	1
DNCE 2171	Beginning Urban and Global Dance Practices		1
DNCE 2183	Introduction to Movement Analysis and Description		3
DNCE 3292	Choreographic Designs		2
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
DNCE 2101	Intermediate Dance Performance	DANC 2151	1
DNCE 2121	Intermediate Ballet II	DANC 2142, DANC 2341	1
DNCE 2143	Dance and Globalization	DANC 1305	3
DNCE 2161	Intermediate Modern Dance II	DANC 2246, DANC 2346	1
DNCE 3191	Urban and Global Dance Practices	DANC 2122, DANC 2123	1

WS 2013	Gender and Social Change: An Introduction to Multicultural-Women's Studies		3
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
	Semester Credit Hours		16

Third Year

Fall		**TCCN**	
DNCE 3101	Advanced Dance Performance	DANC 1112, DANC 1151	1
DNCE 3151	Intermediate/ Advanced Modern Dance I		1
DNCE 3193	Experiential Anatomy for Dancers		3
DNCE 3393	History of Dance		3
Creative Arts Core			3
Wellness CAO Core			2
Related Studies			3
	Semester Credit Hours		16

Spring		**TCCN**	
DNCE 3161	Intermediate/ Advanced Modern Dance II		1
DNCE 3191	Urban and Global Dance Practices	DANC 2122, DANC 2123	1
DNCE 3813	Theories of Teaching Dance Technique		3
DNCE 4393	Contemporary Trends and Issues in Choreography and Performance		3
Related Studies			3
Social/Behavioral Science Core			3
	Semester Credit Hours		14

Fourth Year

Fall		**TCCN**	
DNCE 3101	Advanced Dance Performance	DANC 1112, DANC 1151	1
DNCE 3151	Intermediate/ Advanced Modern Dance I		1
DNCE 4182	Concert Choreography		2
DNCE 4243	Children's Dance		3
Related Studies (Upper Level)			3
Related Studies			3
	Semester Credit Hours		13

Spring		**TCCN**	
DNCE 3161	Intermediate/ Advanced Modern Dance II		1
DNCE 4123	Dance and Public Practice		3
Related Studies (Upper Level)			3
Related Studies			3
DNCE 4133	Dance Production		3
	Semester Credit Hours		13

Summer 1		**TCCN**	
DNCE 3913	Summer Dance Intensive		3
	Semester Credit Hours		3
	Total Semester Credit Hours:		120

Bachelor of Arts in Dance (8-12 Dance Certification)

Total Semester Credit Hours

120 semester credit hours.

Major

52 semester credit hours.

Education Minor

26 semester credit hours.

General Description

The Bachelor of Arts degree in Dance with an education minor and teacher certification is designed to prepare dance educators for the secondary schools. The curriculum provides the dance major with a comprehensive foundation in the content areas that define dance as a discipline, as well as the skills necessary to develop in others an appreciation and understanding of dance as an art form and cultural phenomenon. Focusing on developing the teacher as a facilitator of learning rather than a dispenser of information, the curriculum integrates dance studies with the university general education requirements and a core of professional education courses. See College of Education and Professional Studies (p. 392) section for certification requirements.

Required Dance Major Courses (52 semester credit hours)

Dance/Movement Practices (23 semester credit hours)

Students are placed in modern and ballet through an entrance placement exam and technique exams each semester. The student must achieve the intermediate/ advanced levels in modern dance and intermediate ballet. If a student is placed in the upper levels, she or he still must complete the required number of technique credits. The ballet/modern technique requirement is fulfilled by meeting the minimum competency level and completing the required number of credits. Except where indicated in the teacher certification program, each dance major must register for at least one contemporary modern dance practice course each semester, one ballet dance practice for four semesters, one Urban and Global Dance Practice for two semesters, and one Summer Dance Intensive.

Students may substitute approved summer workshops for up to two technique credits. Each summer workshop will be counted as one credit of technique. If more than one workshop is submitted, one must be taken at TWU (See Handbook). Summer Dance Workshops cannot be used to satisfy the technique competency requirement.

Somatic Practices (7 Semester credit hours)

DNCE 1171	Bartenieff Fundamentals of Movement	1
DNCE 2183	Introduction to Movement Analysis and Description	3
DNCE 3193	Experiential Anatomy for Dancers	3
Total Semester Credit Hours		7

Technique Practice (16 semester credit hours)

Modern Dance Practice (based on placement audition)		6
DNCE 1151	Elementary Modern Dance I	
DNCE 1161	Elementary Modern Dance II	
DNCE 2151	Intermediate Modern Dance I	
DNCE 2161	Intermediate Modern Dance II	
DNCE 3151	Intermediate/Advanced Modern Dance I	
DNCE 3161	Intermediate/Advanced Modern Dance II	
DNCE 4151	Advanced Modern Dance I	
DNCE 4161	Advanced Modern Dance II	
Ballet Practice (based on placement audition)		4
DNCE 1111	Elementary Ballet I	
DNCE 1121	Elementary Ballet II	
DNCE 2111	Intermediate Ballet I	
DNCE 2121	Intermediate Ballet II	
DNCE 3111	Intermediate/Advanced Ballet I	
DNCE 3121	Intermediate/Advanced Ballet II	
Urban & Global Dance Practice		2
DNCE 2171	Beginning Urban and Global Dance Practices	
DNCE 3191	Urban and Global Dance Practices	
Summer Dance Intensive		3
DNCE 3913	Summer Dance Intensive	
Elective (selected from any of the above courses)		1
Total Semester Credit Hours		16

Dancemaking (14 semester credit hours)

Choreography Courses		7
DNCE 1191	Improvisation	
DNCE 2202	Dance Composition	
DNCE 3292	Choreographic Designs	
DNCE 4182	Concert Choreography	
Performance Courses		7
DNCE 1101	Beginning Dance Performance (may be taken twice)	
DNCE 2101	Intermediate Dance Performance (may be taken twice)	
DNCE 3101	Advanced Dance Performance (may be taken twice)	
DNCE 4133	Dance Production (must be taken)	
Total Semester Credit Hours		14

Dance Theory (15 semester credit hours)

Dance and Identity		9
DNCE 2143	Dance and Globalization	
DNCE 3393	History of Dance	
DNCE 4393	Contemporary Trends and Issues in Choreography and Performance	
Pedagogical Communities		6
DNCE 3813	Theories of Teaching Dance Technique	
DNCE 4243	Children's Dance	
Total Semester Credit Hours		15

Professional Education Studies: (26 semester credit hours)

Admission to the Teacher Education Program is required. Students must apply for admission into the Teacher Education Program while enrolled in EDUC 2003 and prior to enrolling in EDUC 3003/EDUC 3482 and READ 3013. Applications are available from Professional Education, Office of Student Support located in Stoddard Hall Room 211.

Pedagogical and Professional Responsibility		20
EDUC 2003	Schools and Society	
EDUC 3003	Learning Theory and Development	
EDUC 3482	Teaching Diverse Learners Through Technology Integration	
EDUC 4113	Design and Implementation of Instruction and Assessment	
EDUC 4243	Classroom Environment and Management	
EDUC 4006	Student Teaching: Dance	
Related Studies in Education		6
READ 3013	Literacy and Learning across the Curriculum	
EDSP 4203	Learners with Exceptionalities	

Notes:

1. EDUC 2003 Schools and Society may be taken at a community college. Check with the College of Professional Education Student Support Center, Stoddard Hall 211, to make sure the course has the equivalent number.
2. EDUC 3003 and EDUC 3482 must be taken during the same semester
3. EDUC 4113 and EDUC 4243 must be taken during the same semester

Bachelor of Arts in Dance (8-12 Dance Certification) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
DNCE 1101	Beginning Dance Performance	DANC 1151	1
DNCE 1111	Elementary Ballet I	DANC 1341	1
DNCE 1151	Elementary Modern Dance I	DANC 2145, DANC 1345	1
DNCE 1191	Improvisation	DANC 1113	1
DNCE 2171	Beginning Urban and Global Dance Practices		1
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness CAO Core			2
	Semester Credit Hours		14
Spring		**TCCN**	
DNCE 1101	Beginning Dance Performance	DANC 1151	1
DNCE 1121	Elementary Ballet II	DANC 1342	1
DNCE 1161	Elementary Modern Dance II	DANC 1346, DANC 2146	1
DNCE 1171	Bartenieff Fundamentals of Movement		1
DNCE 2202	Dance Composition		2
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core			3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
DNCE 2101	Intermediate Dance Performance	DANC 2151	1
DNCE 2111	Intermediate Ballet I	DANC 2141	1
DNCE 2143 (GP)	Dance and Globalization	DANC 1305	3
DNCE 2151	Intermediate Modern Dance I	DANC 2245, DANC 2345	1
DNCE 2183	Introduction to Movement Analysis and Description		3
DNCE 3292	Choreographic Designs		2
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
	Semester Credit Hours		17
Spring		**TCCN**	
DNCE 2101	Intermediate Dance Performance	DANC 2151	1
DNCE 2121	Intermediate Ballet II	DANC 2142, DANC 2341	1
DNCE 2161	Intermediate Modern Dance II	DANC 2246, DANC 2346	1
EDUC 2003	Schools and Society	EDUC 1301	3
WS 2013	Gender and Social Change: An Introduction to Multicultural-Women's Studies		3
GOV 2023	Texas Government	GOVT 2306	3
Creative Arts Core			3
Life/Physical Science Core			3
	Semester Credit Hours		18

Third Year

Fall		TCCN	
DNCE 3151	Intermediate/ Advanced Modern Dance I		1
DNCE 3193	Experiential Anatomy for Dancers		3
DNCE 3393	History of Dance		3
READ 3013	Literacy and Learning across the Curriculum		3

EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
Language, Philosophy, & Culture Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
DNCE 3161	Intermediate/ Advanced Modern Dance II		1
DNCE 3191	Urban and Global Dance Practices	DANC 2122, DANC 2123	1
DNCE 3813	Theories of Teaching Dance Technique		3
DNCE 4133	Dance Production		3
DNCE 4393	Contemporary Trends and Issues in Choreography and Performance		3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
	Semester Credit Hours		16
Fourth Year			
Fall		**TCCN**	
DNCE 3151	Intermediate/ Advanced Modern Dance I		1
DNCE 4182	Concert Choreography		2
DNCE 4243	Children's Dance		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
Social/Behavioral Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
EDUC 4006	Student Teaching: Dance		6
	Semester Credit Hours		6
Summer 1		**TCCN**	
DNCE 3913	Summer Dance Intensive		3
	Semester Credit Hours		3
	Total Semester Credit Hours:		120

Department of Visual Arts

Web Site: http://www.twu.edu/visual-arts/

Chair: *Vagner Whitehead, Associate Professor*
Location: *ART 107*
Phone: *940-898-2530*
Fax: *940-898-2496*
E-mail: *visualarts@twu.edu*

Undergraduate Degrees Offered

B.A. in Art with Concentration in Art Education (All Level Art Teacher Certification), Art History, Studio Art
B.F.A. in Art with Concentration in Ceramics, Graphic Design, Painting, Photography, Photography with Business, Sculpture

- B.A. in Art (EC-12 Art Education Certification) (p. 223)
- B.A. in Art (History of Art) (p. 224)
- B.A. in Art (Studio Art) (p. 226)
- B.F.A. in Art (Ceramics) (p. 227)
- B.F.A. in Art (Graphic Design) (p. 229)
- B.F.A. in Art (Painting) (p. 231)
- B.F.A. in Art (Photography) (p. 232)
- B.F.A. in Art (Photography with Business) (p. 234)
- B.F.A. in Art (Sculpture) (p. 236)

The Department of Visual Arts (http://www.twu.edu/visual-arts) offers programs leading to the Bachelor of Arts (B.A.) and Bachelor of Fine Arts (B.F.A.) degrees in Art. An undergraduate program may be selected with a focus in art education, art history, ceramics, graphic design, painting, photography, sculpture, or studio art.

The programs are designed to prepare visual artists, scholars and/or educators who are well-grounded in studio art practices, history and criticism of art, and professional practices. The department strives to build the student's awareness of context, purpose, creative and aesthetic inquiry, critical theory and practice, historical and contemporary trends, professional responsibility and personal voice in the visual arts. Integrating studio and theoretical studies, the various concentrations provide a comprehensive approach to art learning and facilitates a collaborative, cooperative, and supportive community. The department encourages students to develop natural talents, expand creative abilities and learn the conceptual and technical methods necessary to produce quality artistic works.

An undergraduate degree from a Visual Arts program provides both the skills and knowledge needed to become a professional artist, art educator, graphic designer, or art historian. Our undergraduate degrees result in successful advanced studies and careers as art educators, graphic designers, professional photographers, web and interactive designers, professional artists, and gallery and museum professionals.

Additional Courses for Post-Baccalaureate Students Seeking Certification in All Level Art:

In addition to seeking an M.A.T. with an emphasis in Art Education (http://catalog.twu.edu/graduate/arts-sciences/arts/visual-arts/mat) to secure All Level Art Teacher Certification, students can alternatively elect to pursue All Level Art Teacher Certification via a Post-Baccalaureate individualized program. Students interested in this program to secure All Level Art Teacher Certification should contact the College of Professional Education for detailed information on requirements for admission and certification.

Graduate Degrees

The department also offers graduate programs leading to the Master of Arts (M.A.) and Master of Fine Arts (M.F.A.) in Art. Please refer to the Graduate Catalog (http://catalog.twu.edu/graduate) for information regarding graduate courses.

Minors

Art Minor

For a baccalaureate degree for non-art majors, a minor in art requires 18 semester hours of art, including six hours of advanced work (3000 or 4000 level).

For information on art minors with a concentration in studio art, history of art, ceramics, graphic design, painting, photography, or sculpture please contact the Visual Arts (http://www.twu.edu/visual-arts) department.

Admissions

Please see the Admission (p. 18) section of this catalog. The same standards for admission to the University apply to the Visual Arts Department.

Courses

ART 1203. Two-Dimensional Color and Design. (TCCN ARTS 1311) Theories and terminology of the structure of two-dimensional design and color. The principles and elements of design will be presented and problem solving explored in various art media, techniques, and concepts. Two lecture and four studio hours a week. Credit: Three hours.

ART 1213. Three-Dimensional Design. (TCCN ARTS 1312) The application of principles and elements of design to three-dimensional art. Form, mass, and space will be presented in theory, concept, and terminology and will be explored through problem solving in various art media, techniques, and concepts. Prerequisite: ART 1203 or permission of instructor. Two lecture and four studio hours a week. Credit: Three hours.

ART 1303. Basic Drawing. (TCCN ARTS 1316) Introduction to drawing styles, techniques, and concepts including expressive, analytical, and perceptual problems using still-life, figure, landscape, ethnic heritage, and women's issues as subject matter. Appropriate for art and non-art majors and art minors. Two lecture and four studio hours a week. Credit: Three hours.

ART 1313. Drawing II. (TCCN ARTS 1317) Continued study of contour, form, texture, and space concepts in still life, figure, perspective, and landscape. Prerequisite: ART 1303 or permission of instructor. Two lecture and four studio hours a week. Credit: Three hours.

ART 1503. Introduction to Painting. (TCCN ARTS 2316) A study of painting techniques and concepts with a review of contemporary, multicultural, and women's art. Lectures, demonstrations, studio production, and field trips. Appropriate for art and non-art majors and art minors. Two lecture and four studio hours a week. Credit: Three hours.

ART 1603. Introduction to Photography. A study of 35mm photography. Emphasis on technical and aesthetic aspects of historical and contemporary work. Exploration of social, political, and technological developments. Appropriate for art and non-art majors and art minors. Two lecture and four studio hours a week. Credit: Three hours.

ART 2223. Introduction to Computer Based Art. Studio course designed to introduce students to current imaging software and hardware for creating artwork. Investigates the relationship between computer technology and traditional media through hands-on projects. Two lecture and four studio hours a week. Credit: Three hours.

ART 2303. Figure Drawing. (TCCN ARTS 2323) Drawing from the life model, anatomical, and creative aspects. May be taken for up to six hours of credit. Each semester of work is progressively more advanced than the previous semester. Prerequisites: ART 1303 and ART 1313. Two lecture and four studio hours a week. Credit: Three hours.

ART 2403. Western Art History I. (TCCN ARTS 1303) Western architecture, sculpture, painting, and other art forms from Prehistoric times to the beginning of the Renaissance. Appropriate for art majors and non-art majors. Three lecture hours a week. Credit: Three hours.

ART 2413. Western Art History II. (TCCN ARTS 1304) Western architecture, sculpture, painting, and other art forms from the Renaissance to the beginning of the 21st Century. Appropriate for art majors and non-art majors. Three lecture hours a week. Credit: Three hours.

ART 2503. History of Art-Ancient and Primitive. A study of art from the beginning of civilization to the fall of the Roman Empire: ethnic, sociology, and philosophical background. Appropriate for art and non-art majors and art minors. Three lecture hours a week. Credit: Three hours.

ART 2513. History of Art-Medieval. Survey of early Christian, Byzantine, Romanesque, and Gothic art. Appropriate for art and non-art majors and art minors. Prerequisite: Sophomore standing. Three lecture hours a week. Credit: Three hours.

ART 2653. Black and White Photography. (TCCN ARTS 2356) Experience in using a 35mm camera and various types of photographic equipment. Darkroom training, photograms, printing and presentations, and exhibition prints. May be taken for up to six hours of credit. Each semester of work is progressively more advanced. Prerequisite: ART 1603 or permission of instructor. Two lecture and four studio hours a week. Credit: Three hours.

ART 2713. Understanding the Arts - Visual Arts. (TCCN ARTS 1301) An introduction to the various forms, styles, and periods in visual arts. Emphasis on cultural awareness. Appropriate for art and non-art majors and art minors. Three lecture hours a week. Credit: Three hours.

ART 2753. Sculpture I. (TCCN ARTS 2326) Basic sculptural techniques and materials including plaster casting, direct building, wood processes, and mixed media. Idea development will be emphasized. Slide lectures, readings, and critical discussions. Prerequisites: ART 1203, ART 1213, and ART 1303. Two lecture and four studio hours a week. Credit: Three hours.

ART 2823. Ceramics: Handbuilding. (TCCN ARTS 2346) Basic skills for creating ceramic forms using coil and slab building methods. Functional, sculptural, technical, and historical issues. May be repeated once for additional credit with permission of instructor (up to 6 hours credit). Two lecture and four studio hours a week. Credit: Three hours.

ART 2833. Ceramics: Throwing I. (TCCN ARTS 2347) Basic skills for using the potter's wheel to create ceramic forms. Functional, sculptural, technical, and historical issues, along with basics of glazing and kiln use. Two lecture and four studio hours a week. Credit: Three hours.

ART 3013. Principles of Art Education. Theories, purposes, standards, conditions, and practices of all level (EC-12) public school art education. Requires 15 hour field experience in a public school art program (EC-12). Prerequisites: Twelve hours of ART and junior standing. Two lecture and four laboratory hours a week. Credit: Three hours.

ART 3032. Essentials of Children's Art. Acquaints students with instructional strategies, best practices, and techniques for assessment of students in art grades EC-4. A balanced curriculum of art history, art criticism, aesthetics, and art production will be modeled and utilized in classroom activities. Lessons are infused with interdisciplinary connections and multicultural perspectives on art. Appropriate for art education (visual art with certification), elementary education (interdisciplin-ary education), early childhood, and bilingual education majors. Two lecture and four studio hours a week. Credit: Three hours.

ART 3053. Global Perspectives in Art. Develops understanding and appreciation of various cultural values while increasing skills in creative art techniques. The function, style, and purpose of art in world cultures will be used to inspire personal creative expression. Two lecture and four studio hours a week. Credit: Three hours.

ART 3073. Art Criticism and Aesthetics for Educators. Develops knowledge, skills, and strategies for teaching the philosophical underpinnings, analysis, and evaluation of the content area art. Developmentally appropriate activities and teaching strategies will be developed for the K-12 population. The integration of the general educational goals of literacy and comprehension will be incorporated into the unique art activities of interpretation and critique. Two lecture and four studio hours a week. Credit: Three hours.

ART 3223. Elementary Art Education. Current teaching, curricular, and learning practices in public school elementary (EC-6) art programs. Requires fifteen hour field experience in EC-6 Art Classroom. Prerequisites: ART 3013, twelve hours in ART, or permission of instructor. Two lecture and three laboratory hours a week. Credit: Three hours.

ART 3233. Secondary Art Education. Current teaching, learning, and curriculum practices in 7-12 public school art programs. Requires 15 hour field experience in 7-12 art program. Prerequisites: ART 3013 and ART 3223, or permission of instructor. Two lecture and four laboratory hours a week. Credit: Three hours.

ART 3243. Fundamentals of Type and Image. Study of the aesthetics, function, and history of typography as it relates to visual communication. Includes an examination of the relationship between type and image systems of communication. May be taken for up to six hours credit. Prerequisite: ART 2223. Two lecture and four studio hours a week. Credit: Three hours.

ART 3293. Design I: Identity and Symbols. Representation of abstract ideas through symbols. Development of visual identity marks and systems for specified clients. Prerequisites: ART 2223. Two lecture and four studio hours a week. Credit: Three hours.

ART 3343. Women in the Visual Arts. A survey of women visual artists of the western world and how their roles relate to those of women visual artists around the world. An analysis, from a traditional and a feminist point of view, of the recording of the female artist's place in history. Three lecture hours a week. Credit: Three hours.

ART 3503. History of Art: Renaissance. European art from 1400 to 1600. Emphasis on concepts of Renaissance Art. Appropriate for art and non-art majors and art minors. Three lecture hours a week. Credit: Three hours.

ART 3513. History of Art: 19th Century. Development of art in the modern world from the end of the 18th century to 1899. Appropriate for art and non-art majors and art minors. Three lecture hours a week. Credit: Three hours.

ART 3543. Baroque and Rococo Art History. A survey of European painting, sculpture, architecture, graphic arts from 1590 to 1760. Appropriate for art and non-art majors. Three lecture hours a week. Credit: Three hours.

ART 3613. Ceramics: Surface I. Intermediate focus on creating ceramic surfaces and imagery (on sculptural or functional forms) to develop an individual body of work. Formal and conceptual issues; ceramic printing and painting methods, glaze recipe development, kiln firing, and additional technical information. Prerequisite: ART 2823, ART 2833, ART 3823, or ART 3833. Two lecture and four studio hours a week. Credit: Three hours.

ART 3703. Intermediate Painting. (TCCN ARTS 2317) Intermediate skills and concepts in painting with an emphasis on developing individual problem solving skills and experimentation through a variety of media, processes, and conceptual approaches. May be taken for up to six hours of credit. Prerequisite: ART 1503. Two lecture and four studio hours a week. Credit: Three hours.

ART 3713. Painting-Watercolor. (TCCN ARTS 2366) Composition and rendering of watercolor. Field trips. May be taken for up to six hours credit. Each semester of work is progressively more advanced than the previous semester. Prerequisites: ART 1203, ART 1213, and ART 1503. Two lecture and four studio hours a week. Credit: Three hours.

ART 3763. Intermediate Sculpture: Metal Fabrication and Alternative Media. Intermediate concepts and techniques including metal fabrication, welding, and alternative processes. Pertinent historical and contemporary topics. May be taken for up to six hours of credit. Prerequisites: ART 1213 and ART 2753. Two lecture and four studio hours a week. Credit: Three hours.

ART 3773. Intermediate Sculpture: Casting and Mold Making. Intermediate concepts and processes involving mold making and casting (bronze, aluminum, iron, and alternative materials). Exploration of contemporary and historical sculpture. May be taken for up to six hours of credit. Prerequisites: ART 1213 and ART 2753. Two lecture and four studio hours a week. Credit: Three hours.

ART 3803. Ceramics: Form I. Intermediate focus on creating ceramic forms (sculptural or functional) to develop an individual body of work. Formal and conceptual issues; alternative forming methods, clay body development, kiln firing, and additional technical information. Prerequisite: ART 2823 or ART 3823. Two lecture and four laboratory hours a week. Credit: Three hours.

ART 3833. Ceramics: Throwing II. Intermediate development of pottery wheel skills to develop a personal artistic style in terms of design or sculptural concerns. Students conduct research to inform their development. May be taken for up to six hours credit with instructor permission. Prerequisite: ART 2833. Two lecture and four studio hours a week. Credit: Three hours.

ART 3863. Ceramic Topics. Varied topics in ceramic theory and technique. May be repeated for up to six hours credit. Prerequisites: ART 2823, ART 2833, ART 3823, or ART 3833. Two lecture and four studio hours a week. Credit: Three hours.

ART 4073. Contemporary Issues in Art. Issues and trends influencing the evolution of art from twentieth-century Modernism to twenty-first century Postmodernism. Investigates theoretical and conceptual foundations of contemporary art, major artists, styles of art, and aesthetic assumptions about art in contemporary times. Three lecture hours a week. Credit: Three hours.

ART 4133. Approaches to Art Education. An advanced analysis and evaluation of instructional theories and methods for teaching and learning art in EC-12 public school art programs. Fifteen hours field experience in EC-12 public school art program. Prerequisites: ART 3013, ART 3223, and ART 3233; or consent of instructor. Two lecture and four laboratory hours a week. Credit: Three hours.

ART 4233. The Professional Portfolio. Development of the professional portfolio and/or related materials for prospective employers. The emphasis will be on professional methods, techniques, and practices currently used in business, commerce, industry, and other related institutions. Prerequisites: Junior standing. Two lecture and four studio hour a week. Credit: Three hours.

ART 4253. Design II: Publication Design. Concept, design, and execution of complex "visual information delivery systems" intended for publication and mass distribution. Creation and application of gridded templates and a limited variety of other structural organization techniques to manipulate combinations of type and images within multi-page layouts. Prerequisites: ART 2223 and ART 3243. Two lecture and four studio hours a week. Credit: Three hours.

ART 4283. Design III: Interactive Design. Examination of the internet as a venue in visual communication and an exploration of the creative possibilities of the medium. Examination of the principles of interactivity in computer media, and the conceptual and technical issues involved in the design and production of interactive documents, with an emphasis on interactive design. Prerequisites: ART 2223 and ART 3243. Two lecture and four studio hours a week. Credit: Three hours.

ART 4293. Design IV: Advertising Design. Investigation, creation, and application of advertising design and the development of advertising campaigns. Creative problem solving, audience, product and client positioning, marketing, and creative strategies as applied to advertising, as well as the advertising design process. Includes creative team interaction, individual brainstorming techniques, and detailed research. Prerequisites: ART 2223 and ART 3243. Two lecture and four studio hours a week. Credit: Three hours.

ART 4523. History of Art: 20th Century. Development of art in the modern world from 1900 to present. Appropriate for art and non-art majors and art minors. Three lecture hours a week. Credit: Three hours.

ART 4533. History of American Film Noir. A historical overview and examination of the nature of the American Film Noir film style and its themes. Analysis of key films with intensive discussions. Three lecture hours a week. Credit: Three hours.

ART 4553. Selected Periods of European Art. Historical study of visual art of a particular nation and period including analyses of works of art, including examination of the stylistic, historical, and cultural characteristics. Works studied vary, and the course may be repeated for additional credit. Prepares students for ART 4563. Prerequisite: Permission of the instructor. Three lecture hours a week. Credit: Three hours.

ART 4563. European Art in Context. Visual art of a particular region and period in its national context. Includes study tour to sites in the nations where artifacts of the period are located. May be repeated for additional credit when topics vary. Prerequisite: Permission of the instructor. Three lecture hours a week. Credit: Three hours.

ART 4613. Printmaking. Graphic processes for intaglio, relief, and plano-graphic print procedures. May be taken for up to six hours of credit. Prerequisites: ART 1203, ART 1213, ART 1303, and ART 1313; junior standing or permission of instructor and chairman of the department. Two lecture and four studio hours a week. Credit: Three hours.

ART 4653. Color Photography. (TCCN ART 2357) Study of historical and contemporary color photography in art. Experience in shooting, processing, and printing color photographs and slides. Class critiques to encourage individual vision through color materials. May be taken for up to six hours credit. Each semester of work is progressively more advanced than the previous semester. Prerequisites: ART 1603 and ART 2653. Two lecture and four studio hours a week. Credit: Three hours.

ART 4663. Digital Photography. Study of digital technologies in fine arts photography. Theoretical and technical concerns including overview of necessary components, scanning techniques, input devices, image manipulation, and output media. May be taken for up to six hours credit. Each semester work is progressively more advanced than the previous semester. Prerequisites: ART 2223, ART 2653, and ART 4653. Two lecture and four studio hours a week. Credit: Three hours.

ART 4673. Alternative Photographic Processes. Lectures and demonstrations of historical and contemporary alternative processes utilizing pinhole cameras, cyanotype, vandyke, xerox, and transfer. May be taken for up to six hours credit. Each semester work is progressively more advanced than the previous semester. Prerequisites: ART 2653 and ART 4653. Two lecture and four studio hours a week. Credit: Three hours.

ART 4683. Photographic Possibilities. Explore advanced experimental content, techniques, and materials in photography including installation, book arts, and image manipulation. May be taken for up to six hours credit. Each semester of work is progressively more advanced than the previous semester. Prerequisites: ART 2653 and ART 4653. Two lecture and four studio hours a week. Credit: Three hours.

ART 4703. Painting. Advanced studies in painting, color, and composition. Emphasis on individual development of content. May be taken for up to six hours of credit. Each semester of work is progressively more advanced. Prerequisite: ART 1503. Two lecture and four studio hours a week. Credit: Three hours.

ART 4713. Advanced Problems in Painting. Development of individual statements in painting. Introduction to exhibition techniques. May be taken for up to six hours credit. Each semester work is progressively more advanced than the previous semester. Prerequisites: ART 1503 and ART 4703. Two lecture and four studio hours a week. Credit: Three hours.

ART 4763. Advanced Sculpture. Emphasis on individual technical and conceptual development through advanced work in sculpture. May be taken for up to six hours of credit. Prerequisites: ART 1213, ART 2753, ART 3763, and ART 3773. Two lecture and four studio hours a week. Credit: Three hours.

ART 4803. Ceramics: Form II. Advanced focus on creating ceramic forms to develop an individual body of work. Formal and conceptual issues, alternative forming methods, clay body development, kiln firing, and additional technical information. May be taken for up to six hours credit. Prerequisite: ART 3803. Two lecture and four studio hours a week. Credit: Three hours.

ART 4813. Ceramics: Surface II. Advanced focus on creating ceramic surfaces and imagery to develop an individual body of work. Formal and conceptual issues, ceramic printing and painting methods, glaze recipe development, kiln firing, and additional technical information. May be taken for up to six hours of credit. Prerequisite: ART 3813. Two lecture and four studio hours a week. Credit: Three hours.

ART 4903. Special Topics. Study of special topics in Art. May be repeated for up to twelve hours of credit. Lecture and studio hours vary by topic. Credit: Three hours.

ART 4913. Independent Study. Individual study of technical problems in art. Prerequisite: Permission of the instructor and chair of the department. May be taken for up to twelve hours credit. Credit: Three hours.

ART 4953. Cooperative Education. Cooperative work-study arrangement between business, industry, or selected institutions and the university. Prerequisite: Permission of instructor. Nine practicum hours a week. Credit: Three hours.

ART 4956. Cooperative Education. Cooperative work-study arrangement between business, industry, or selected institutions and the university. Prerequisite: Permission of instructor. Eighteen practicum hours a week. Credit: Six hours.

ART 4993. Exhibition. Studio research course to meet the exhibit requirement for studio art majors. Prerequisite: Permission of instructor. Credit: Three hours.

Faculty

Professors

CALABRESE, JOHN A., Professor of Visual Arts. B.A., The Catholic University of America; M.F.A., Pratt Institute; Ph.D., Ohio University, Athens.

GRANT, SUSAN K., Cornaro Professor of Visual Arts. B.S., University of Wisconsin, Madison; M.F.A., University of Wisconsin, Madison.

WASHMON, GARY B., Professor of Visual Arts. B.F.A., University of New Mexico; M.F.A., University of Illinois, Urbana-Champaign.

Associate Professors

GREGORY, DIANE C., Associate Professor of Visual Arts. B.S.Ed., University of Missouri, Columbia; M.Ed., University of Missouri, Columbia; Ph.D., University of Missouri, Columbia.

PARSONS, MATTHEW COLBY, Associate Professor of Visual Arts. B.Ph., Miami University; M.F.A., Southern Illinois University.

PEREZ, JANA C., Associate Professor of Visual Arts. B.F.A., University of Texas at Austin; M.A. Texas Woman's University; M.F.A., Texas Woman's University.

SYNAR, TANYA M., Associate Professor of Visual Arts. B.F.A., Colorado State University; M.F.A., University of Washington.

WHITEHEAD, VAGNER MENDOCIA, Associate Professor of Visual Arts; Chair of the Department of Visual Arts. M.F.A., University of Florida.

Bachelor of Arts in Art (EC-12 Art Education Certification)

Total Semester Credit Hours Required

125 semester credit hours.

Major

57 semester credit hours.

Minor

26 semester credit hours.

B.A. in Art (125 semester credit hours)

Students must make a C or above in all art degree courses.

A 2.75 GPA required for admission to Teacher Education.
TSI requirements for Teacher Education program standards:

- Take TeXES qualifying exam and
- Take art qualifying exam before student teaching.

Degree Course Requirements (83 semester credit hours)

ART 1203	Two-Dimensional Color and Design	3
ART 1213	Three-Dimensional Design	3
ART 1303	Basic Drawing	3
ART 1313	Drawing II	3
ART 1503	Introduction to Painting	3
or ART 3713	Painting-Watercolor	
ART 1603	Introduction to Photography	3
or ART 2223	Introduction to Computer Based Art	
ART 2403	Western Art History I	3
ART 2413	Western Art History II	3
ART 2753	Sculpture I	3
or ART 2823	Ceramics: Handbuilding	
or ART 2833	Ceramics: Throwing I	
ART 3013	Principles of Art Education	3
ART 3223	Elementary Art Education	3
ART 3233	Secondary Art Education	3
ART 4133	Approaches to Art Education	3
ART 4613	Printmaking	3
or ART 2303	Figure Drawing	
ART 3053	Global Perspectives in Art	3
ART 4073	Contemporary Issues in Art	3
or ART 3343	Women in the Visual Arts	
ART Studio Course Electives		9
Required Education Courses		
EDUC 2003	Schools and Society (TECA)	3
EDUC 3003	Learning Theory and Development	3
EDUC 3482	Teaching Diverse Learners Through Technology Integration (2 semester credit hours)	2
READ 3013	Literacy and Learning across the Curriculum	3
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
EDUC 4316	Student Teaching: Elementary (6 semester credit hours)	6
EDSP 4203	Learners with Exceptionalities	3
Total Semester Credit Hours		83

Bachelor of Arts in Art (EC-12 Art Education Certification) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ART 1203	Two-Dimensional Color and Design	ARTS 1311	3
ART 1303	Basic Drawing	ARTS 1316	3
ART 1603 or 2223 (Computer Based Arts)	Introduction to Photography		3
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness CAO Core			2
	Semester Credit Hours		15
Spring		**TCCN**	
ART 1213	Three-Dimensional Design	ARTS 1312	3
ART 1313	Drawing II	ARTS 1317	3
Mathematics Core			3
Social/Behavioral Science Core			3

ENG 1023	Composition II	ENGL 1302	3
	Semester Credit Hours		15
Second Year			
Fall		**TCCN**	
ART 1503 or 3713 (Watercolor)	Introduction to Painting	(ARTS 2316) or (ARTS 2366)	3
ART 2303 or 4613 (Printmaking)	Figure Drawing	ARTS 2323	3
ART 2403	Western Art History I	ARTS 1303	3
EDUC 2003	Schools and Society	EDUC 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 2413	Western Art History II	ARTS 1304	3
ART 2753, 2823, or 2833 (Ceramics: Handbuilding or Ceramics: Throwing I)	Sculpture I	(ARTS 2326) or (ARTS 2346) or (ARTS 2347)	3
ART 3013	Principles of Art Education		3
READ 3013	Literacy and Learning across the Curriculum		3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
ART 3223	Elementary Art Education		3
ART 4073 or 3343 (Women in the Arts)	Contemporary Issues in Art		3
ART Studio Course Elective			3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
GOV 2013	U.S. National Government	GOVT 2305	3
Life and Physical Science Core			3
	Semester Credit Hours		20
Spring		**TCCN**	
ART 3053 (GP)	Global Perspectives in Art		3
ART 3233	Secondary Art Education		3
ART Studio Course Elective			3
GOV 2023	Texas Government	GOVT 2306	3
Life and Physical Science Core			3
Creative Arts Core			3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
	Semester Credit Hours		21
Fourth Year			
Fall		**TCCN**	
ART 4133	Approaches to Art Education		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
ART Studio Course Elective			3
Component Area Option (Multicultural Women's Studies)			3
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		18
Spring		**TCCN**	
EDUC 4316	Student Teaching: Elementary		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		125

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in Art (History of Art)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

B.A. in Art (120 semester credit hours)

Students must make a C or above in all art degree courses.

Degree Course Requirements (78 semester credit hours)

ART 1203	Two-Dimensional Color and Design	3
ART 1213	Three-Dimensional Design	3
ART 1303	Basic Drawing	3
ART 1313	Drawing II	3
ART 1503	Introduction to Painting	3
or ART 3713	Painting-Watercolor	
ART 1603	Introduction to Photography	3
ART 2223	Introduction to Computer Based Art	3
ART 2503	History of Art-Ancient and Primitive	3
ART 2753	Sculpture I	3
ART 2823	Ceramics: Handbuilding	3
or ART 2833	Ceramics: Throwing I	
ART 3343	Women in the Visual Arts	3
or ART 3053	Global Perspectives in Art	
ART 3513	History of Art: 19th Century	3
ART 4073	Contemporary Issues in Art	3
ART 4523	History of Art: 20th Century	3
ART 4613	Printmaking	3
ART Studio Course Electives (6 semester credit hours)		6
ART 3000 / ART 4000 Studio Course Elective (3 semester credit hours)		3
History of Art Concentration Courses		
ART 2513	History of Art-Medieval	3
ART 3503	History of Art: Renaissance	3
ART 3543	Baroque and Rococo Art History	3
ART 4553	Selected Periods of European Art	3
ART 4563	European Art in Context	3
ART 4533	History of American Film Noir	3
ART 4903	Special Topics (Film Noir II)	3
ART 4903	Special Topics (The Art of Alfred Hitchcock)	3
Total Semester Credit Hours		78

Bachelor of Arts in Art (History of Art) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ART 1203	Two-Dimensional Color and Design	ARTS 1311	3
ART 1303	Basic Drawing	ARTS 1316	3
ART 1603	Introduction to Photography		3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness CAO Core			2
ENG 1013	Composition I	ENGL 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 1213	Three-Dimensional Design	ARTS 1312	3
ART 1313	Drawing II	ARTS 1317	3
ENG 1023	Composition II	ENGL 1302	3
Mathematics Core			3
Social/Behavioral Science Core			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
ART 2223	Introduction to Computer Based Art		3
ART 2753	Sculpture I	ARTS 2326	3
ART 2503	History of Art-Ancient and Primitive		3
ART 2513	History of Art-Medieval		3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 1503 or 3713	Introduction to Painting	(ARTS 2316) or (ARTS 2366)	3
ART 2823 or 2833	Ceramics: Handbuilding	(ARTS 2346) or (ARTS 2347)	3
ART 3513	History of Art: 19th Century		3
ART 3503	History of Art: Renaissance		3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
ART 4523	History of Art: 20th Century		3
ART 4533	History of American Film Noir		3

GOV 2013	U.S. National Government	GOVT 2305	3
Life and Physical Science Core			3
	Semester Credit Hours		12
Spring		**TCCN**	
ART 4613	Printmaking		3
GOV 2023	Texas Government	GOVT 2306	3
Life and Physical Science Core			3
ART Studio Course Elective			3
	Semester Credit Hours		12
Summer		**TCCN**	
ART 4553	Selected Periods of European Art		3
ART 4563	European Art in Context		3
	Semester Credit Hours		6
Fourth Year			
Fall		**TCCN**	
ART 4073	Contemporary Issues in Art		3
ART 3543	Baroque and Rococo Art History		3
ART 4903 (Film Noir II)	Special Topics		3
Component Area Option (Multicultural Women's Studies)			3
ART Studio Course Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 3053 or 3343 (ART 3053 [GP])	Global Perspectives in Art		3
ART 4903 (The Art of Alfred Hitchcock)	Special Topics		3
ART Studio Course Elective			3
Language, Philosophy, and Culture Core			3
Creative Arts Core			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in Art (Studio Art)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

B.A. in Art (120 semester credit hours)

Students must make a C or above in all art degree courses.

Degree Course Requirements (78 semester credit hours)

ART 1203	Two-Dimensional Color and Design	3
ART 1213	Three-Dimensional Design	3
ART 1303	Basic Drawing	3
ART 1313	Drawing II	3
ART 1503	Introduction to Painting	3
or ART 3713	Painting-Watercolor	
ART 1603	Introduction to Photography	3
ART 2223	Introduction to Computer Based Art	3
ART 2303	Figure Drawing	3
ART 2503	History of Art-Ancient and Primitive	3
ART 2753	Sculpture I	3
ART 2823	Ceramics: Handbuilding	3
or ART 2833	Ceramics: Throwing I	
ART 3343	Women in the Visual Arts	3
or ART 3053	Global Perspectives in Art	
ART 3503	History of Art: Renaissance	3
ART 3513	History of Art: 19th Century	3
ART 4073	Contemporary Issues in Art	3
ART 4523	History of Art: 20th Century	3
ART 4613	Printmaking	3
ART 3000/4000 Studio Course Elective		3
Studio Art Concentration Courses		
ART 2000/3000/4000 Studio Course		9
ART 3000/4000 Studio Course		15
Total Semester Credit Hours		78

Bachelor of Arts in Art (Studio Art) Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
ART 1203	Two-Dimensional Color and Design	ARTS 1311	3
ART 1303	Basic Drawing	ARTS 1316	3
ART 1603	Introduction to Photography		3

UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness CAO Core			2
ENG 1013	Composition I	ENGL 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 1213	Three-Dimensional Design	ARTS 1312	3
ART 1313	Drawing II	ARTS 1317	3
ENG 1023	Composition II	ENGL 1302	3
Mathematics Core			3
Social/Behavioral Science Core			3
	Semester Credit Hours		15
Second Year			
Fall		**TCCN**	
ART 2223	Introduction to Computer Based Art		3
ART 2753	Sculpture I	ARTS 2326	3
ART 2503	History of Art-Ancient and Primitive		3
ART 2303	Figure Drawing	ARTS 2323	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 3513	History of Art: 19th Century		3
ART 1503 or 3713	Introduction to Painting	(ARTS 2316) or (ARTS 2366)	3
ART 2823 or 2833	Ceramics: Handbuilding	(ARTS 2346) or (ARTS 2347)	3
ART 2000/3000/4000 Concentration Course			3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
ART 4523	History of Art: 20th Century		3
ART 2000/3000/4000 Concentration Course			3
ART 3000/4000 Concentration Course			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life and Physical Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 4613	Printmaking		3
ART 3503	History of Art: Renaissance		3
ART 3000/4000 Concentration Course			3
GOV 2023	Texas Government	GOVT 2306	3
Life and Physical Science Core			3
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
ART 4073	Contemporary Issues in Art		3
ART 2000/3000/4000 Concentration Course			3
ART 3000/4000 Concentration Course			3
Component Area Option (Multicultural Women's Studies)			3
Creative Arts Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 3053 or 3343 (ART 3053 [GP])	Global Perspectives in Art		3
ART 3000/4000 Concentration Course			3
ART 3000/4000 Concentration Course			3
ART 3000/4000 Concentration Course			3
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Fine Arts in Art (Ceramics)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

Bachelor of Fine Arts in Art (120 semester credit hours)

Students must make a C or above in all art degree courses.

Degree Course Requirements (78 semester credit hours)

ART 1203	Two-Dimensional Color and Design	3
ART 1213	Three-Dimensional Design	3
ART 1303	Basic Drawing	3
ART 1313	Drawing II	3
ART 1503	Introduction to Painting	3
or ART 3713	Painting-Watercolor	
ART 1603	Introduction to Photography	3
ART 2223	Introduction to Computer Based Art	3
ART 2503	History of Art-Ancient and Primitive	3
or ART 2513	History of Art-Medieval	
or ART 3503	History of Art: Renaissance	
ART 2753	Sculpture I	3
ART 2823	Ceramics: Handbuilding	3
ART 3343	Women in the Visual Arts	3
or ART 3053	Global Perspectives in Art	
ART 3513	History of Art: 19th Century	3
ART 4073	Contemporary Issues in Art	3
ART 4523	History of Art: 20th Century	3
ART 4613	Printmaking	3
Art Studio Course Elective		3
ART 4993	Exhibition	3
Ceramics Concentration Courses		
ART 2833	Ceramics: Throwing I	3
ART 3803	Ceramics: Form I	3
ART 3613	Ceramics: Surface I	3
ART 3833	Ceramics: Throwing II	3
ART 3833	Ceramics: Throwing II	3
ART 4803	Ceramics: Form II	3
ART 4813	Ceramics: Surface II	3
ART 4813	Ceramics: Surface II	3
ART 3863	Ceramic Topics	3
Total Semester Credit Hours		78

Bachelor of Fine Arts in Art (Ceramics) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ART 1203	Two-Dimensional Color and Design	ARTS 1311	3
ART 1303	Basic Drawing	ARTS 1316	3
ART 1603	Introduction to Photography		3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness CAO Core			2
ENG 1013	Composition I	ENGL 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 1213	Three-Dimensional Design	ARTS 1312	3
ART 1313	Drawing II	ARTS 1317	3
ENG 1023	Composition II	ENGL 1302	3
Mathematics Core			3
Social/Behavioral Science Core			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
ART 2223	Introduction to Computer Based Art		3
ART 2753	Sculpture I	ARTS 2326	3
Select three semester credit hours from the following:			3
ART 2503	History of Art-Ancient and Primitive		
ART 2513	History of Art-Medieval		
ART 3503	History of Art: Renaissance		
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
ART 2833	Ceramics: Throwing I	ARTS 2347	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 3513	History of Art: 19th Century		3
ART 1503 or 3713	Introduction to Painting	(ARTS 2316) or (ARTS 2366)	3
ART 3613	Ceramics: Surface I		3
ART 2823	Ceramics: Handbuilding	ARTS 2346	3

HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
ART 4523	History of Art: 20th Century		3
ART 3803	Ceramics: Form I		3
ART 3833	Ceramics: Throwing II		3
GOV 2013	U.S. National Government	GOVT 2305	3
Life and Physical Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 4613	Printmaking		3
ART 4813	Ceramics: Surface II		3
ART 3833	Ceramics: Throwing II		3
GOV 2023	Texas Government	GOVT 2306	3
Life and Physical Science Core			3
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
ART 4073	Contemporary Issues in Art		3
ART 4803	Ceramics: Form II		3
ART 3863	Ceramic Topics		3
ART Studio Course Elective			3
Component Area Option (Multicultural Women's Studies)			3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 4993	Exhibition		3
ART 3053 or 3343 (ART 3053 [GP])	Global Perspectives in Art		3
ART 4813	Ceramics: Surface II		3
Creative Arts Core			3
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Fine Arts in Art (Graphic Design)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

Bachelor of Fine Arts in Art (120 semester credit hours)

Students must make a C or above in all art degree courses.

Degree Course Requirements (78 semester credit hours)

ART 1203	Two-Dimensional Color and Design	3
ART 1213	Three-Dimensional Design	3
ART 1303	Basic Drawing	3
ART 1503	Introduction to Painting	3
ART 1603	Introduction to Photography	3
ART 2223	Introduction to Computer Based Art (Graphic Design Section Only)	3
ART 2403	Western Art History I	3
or ART 3513	History of Art: 19th Century	
ART 2413	Western Art History II	3
or ART 4523	History of Art: 20th Century	
ART 2653	Black and White Photography	3
ART 2753	Sculpture I	3
ART 2823	Ceramics: Handbuilding	3
or ART 2833	Ceramics: Throwing I	
ART 3053	Global Perspectives in Art	3
ART 3343	Women in the Visual Arts	3
ART 4613	Printmaking	3
ART Course Elective		3
ART Course Elective or BUS 3000/4000 Course Elective		3
ART 4993	Exhibition	3
Graphic Design Concentraton Courses		
ART 3243	Fundamentals of Type and Image	3
ART 3293	Design I: Identity and Symbols	3
ART 4233	The Professional Portfolio	3
ART 4253	Design II: Publication Design	3
ART 4283	Design III: Interactive Design	3
ART 4293	Design IV: Advertising Design	3
ART 4903	Special Topics (History of Graphic Design)	3

ART 4653 or ART 4663	Color Photography Digital Photography	3
ART 4953	Cooperative Education	3
Total Semester Credit Hours		78

Bachelor of Fine Arts in Art (Graphic Design) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
ART 1203	Two-Dimensional Color and Design	ARTS 1311	3
ART 1303	Basic Drawing	ARTS 1316	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness CAO Core			2
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 1213	Three-Dimensional Design	ARTS 1312	3
ART 1503	Introduction to Painting	ARTS 2316	3
ENG 1023	Composition II	ENGL 1302	3
Social/Behavioral Science Core			3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
ART 1603	Introduction to Photography		3
ART 2223	Introduction to Computer Based Art		3
ART 2403	Western Art History I	ARTS 1303	3
Mathematics Core			3
GOV 2013	U.S. National Government	GOVT 2305	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 2413	Western Art History II	ARTS 1304	3
ART 2653	Black and White Photography	ARTS 2356	3
ART 3243	Fundamentals of Type and Image		3
Creative Arts Core			3
GOV 2023	Texas Government	GOVT 2306	3
	Semester Credit Hours		15

Third Year

Fall		TCCN	
ART 3293	Design I: Identity and Symbols		3
ART 4613	Printmaking		3
ART 2823 or 2833 (Ceramics: Throwing I)	Ceramics: Handbuilding	(ARTS 2346) or (ARTS 2347)	3
Language, Philosophy, and Culture Core			3
Life and Physical Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 2753 or 2823	Sculpture I	(ARTS 2326) or (ARTS 2346)	3
ART 4283	Design III: Interactive Design		3
ART 3053 or 3343 (ART 3053 [GP])	Global Perspectives in Art		3
ART 4903 (ST: History of Graphic Design)	Special Topics		3
Life and Physical Science Core			3
	Semester Credit Hours		15

Fourth Year

Fall		TCCN	
ART 4073	Contemporary Issues in Art		3
ART 4253	Design II: Publication Design		3
ART 4233	The Professional Portfolio		3
ART 4653	Color Photography	ART 2357	3
Component Area Option (Multicultural Women's Studies)			3
	Semester Credit Hours		15

Spring		TCCN	
ART 4293	Design IV: Advertising Design		3
ART 4993	Exhibition		3
ART 4953	Cooperative Education		3
ART Course Elective			3
ART Course Elective or BUS 3000/4000 Elective			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Fine Arts in Art (Painting)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

Bachelor of Fine Arts in Art (120 semester credit hours)

Students must make a C or above in all art degree courses.

Degree Course Requirements (78 semester credit hours)

ART 1203	Two-Dimensional Color and Design	3
ART 1213	Three-Dimensional Design	3
ART 1303	Basic Drawing	3
ART 1313	Drawing II	3
ART 1503	Introduction to Painting	3
or ART 3713	Painting-Watercolor	
ART 1603	Introduction to Photography	3
ART 2223	Introduction to Computer Based Art	3
ART 2503	History of Art-Ancient and Primitive	3
or ART 2513	History of Art-Medieval	
or ART 3503	History of Art: Renaissance	
ART 2753	Sculpture I	3
ART 2823	Ceramics: Handbuilding	3
or ART 2833	Ceramics: Throwing I	
ART 3343	Women in the Visual Arts	3
or ART 3053	Global Perspectives in Art	
ART 3513	History of Art: 19th Century	3
ART 4073	Contemporary Issues in Art	3
ART 4523	History of Art: 20th Century	3
ART 4613	Printmaking	3
ART Course Elective		3
ART 4993	Exhibition	3
Painting Concentration Courses		
ART 2303	Figure Drawing	3
ART 3703	Intermediate Painting	3
ART 3713	Painting-Watercolor	3
ART 4703	Painting	3
ART 4713	Advanced Problems in Painting	3
ART Painting Concentration Electives (Upper Level)		12
Total Semester Credit Hours		78

Bachelor of Fine Arts in Art (Painting) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
ART 1203	Two-Dimensional Color and Design	ARTS 1311	3
ART 1303	Basic Drawing	ARTS 1316	3
ART 1603	Introduction to Photography		3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness CAO Core			2
ENG 1013	Composition I	ENGL 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 1213	Three-Dimensional Design	ARTS 1312	3
ART 1313	Drawing II	ARTS 1317	3
ENG 1023	Composition II	ENGL 1302	3
Mathematics Core			3
Social/Behavioral Science Core			3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
ART 2223	Introduction to Computer Based Art		3
ART 2753	Sculpture I	ARTS 2326	3
Select three semester credit hours from the following:			3
ART 2503	History of Art-Ancient and Primitive		
ART 2513	History of Art-Medieval		
ART 3503	History of Art: Renaissance		

ART 1503	Introduction to Painting	ARTS 2316	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 3513	History of Art: 19th Century		3
ART 2823 or 2833	Ceramics: Handbuilding	(ARTS 2346) or (ARTS 2347)	3
ART 2303	Figure Drawing	ARTS 2323	3
ART 3703	Intermediate Painting	ARTS 2317	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
ART 4523	History of Art: 20th Century		3
ART 3713	Painting-Watercolor	ARTS 2366	3
ART Painting Concentration Upper Level Course			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life and Physical Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 4613	Printmaking		3
ART 4703	Painting		3
ART Painting Concentration Upper Level Course			3
GOV 2023	Texas Government	GOVT 2306	3
Life and Physical Science Core			3
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
ART 4073	Contemporary Issues in Art		3
ART 4713	Advanced Problems in Painting		3
ART Painting Concentration Upper Level Course			3
ART Studio Course Elective			3
Component Area Option (Multicultural Women's Studies)			3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 4993	Exhibition		3
ART 3053 or 3343 (ART 3053 [GP])	Global Perspectives in Art		3
ART Painting Upper Level Concentration Course			3
Creative Arts Core			3
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Fine Arts in Art (Photography)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

Bachelor of Fine Arts in Art (120 semester credit hours)

Students must make a C or above in all art degree courses.

Degree Course Requirements (78 semester credit hours)

ART 1203	Two-Dimensional Color and Design	3
ART 1213	Three-Dimensional Design	3
ART 1303	Basic Drawing	3
ART 1503	Introduction to Painting	3
or ART 3713	Painting-Watercolor	
ART 1603	Introduction to Photography	3
ART 2223	Introduction to Computer Based Art	3
ART 2303	Figure Drawing	3
ART 2403	Western Art History I	3
or ART 3513	History of Art: 19th Century	
ART 2413	Western Art History II	3
or ART 4523	History of Art: 20th Century	
ART 2753	Sculpture I	3
ART 2823	Ceramics: Handbuilding	3
or ART 2833	Ceramics: Throwing I	
ART 3343	Women in the Visual Arts	3
or ART 3053	Global Perspectives in Art	

ART 4073	Contemporary Issues in Art	3
ART 4533	History of American Film Noir (or ART 4903 ST: The Art of Alfred Hitchcock)	3
or ART 4903	Special Topics	
ART 4613	Printmaking	3
ART Course Elective		3
ART 4993	Exhibition	3
Photography Concentraton Courses		
ART 2653	Black and White Photography	3
ART 4653	Color Photography	3
ART 4663	Digital Photography	3
ART 4663	Digital Photography	3
ART 4673	Alternative Photographic Processes	3
ART 4683	Photographic Possibilities	3
ART 4903	Special Topics (ST: Photography: Creative Lighting)	3
ART 4903	Special Topics (ST: Photography: Still to Motion)	3
ART Photography Concentration Elective (ART 2653, ART 4653, ART 4673, ART 4683, or ART 4903 ST: Photography: Still to Motion)		3
Total Semester Credit Hours		78

Bachelor of Fine Arts in Art (Photography) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ART 1203	Two-Dimensional Color and Design	ARTS 1311	3
ART 1303	Basic Drawing	ARTS 1316	3
ART 1603	Introduction to Photography		3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness CAO Core			2
ENG 1013	Composition I	ENGL 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 1213	Three-Dimensional Design	ARTS 1312	3
ART 2653	Black and White Photography	ARTS 2356	3
ART 2223	Introduction to Computer Based Art		3
ENG 1023	Composition II	ENGL 1302	3
Mathematics Core			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
ART 2303	Figure Drawing	ARTS 2323	3
ART 2403 or 3513 (History of Art: 19th Century)	Western Art History I	ARTS 1303	3
ART 2753	Sculpture I	ARTS 2326	3
ART 4653	Color Photography	ART 2357	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 1503 or 3713 (Watercolor)	Introduction to Painting	(ARTS 2316) or (ARTS 2366)	3
ART 2413 or 4523 (History of Art: 20th Century)	Western Art History II	ARTS 1304	3
ART 2823 or 2833 (Throwing I)	Ceramics: Handbuilding	(ARTS 2346) or (ARTS 2347)	3
ART 4663	Digital Photography		3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
ART 4533 or 4903 (Art of Alfred Hitchcock)	History of American Film Noir		3
ART 4673	Alternative Photographic Processes		3
ART 4903 (Still to Motion)	Special Topics		3
GOV 2013	U.S. National Government	GOVT 2305	3
Life and Physical	Science Core		3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 3053 or 3343 (ART 3053 [GP])	Global Perspectives in Art		3
ART 4663	Digital Photography		3

ART 4903 (Creative Lighting)	Special Topics		3
GOV 2023	Texas Government	GOVT 2306	3
Life and Physical Science Core			3
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
ART 4613	Printmaking		3
ART 4073	Contemporary Issues in Art		3
ART 4683	Photographic Possibilities		3
ART Photography Concentration Course			3
Social/Behavioral Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 4993	Exhibition		3
ART Studio Course Elective			3
Language, Philosophy, and Culture Core			3
Creative Arts Core			3
Component Area Option (Multicultural Women's Studies)			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Fine Arts in Art (Photography with Business)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

Bachelor of Fine Arts in Art (120 semester credit hours)

Students must make a C or above in all art degree courses.

Degree Course Requirements (78 semester credit hours)

ART 1203	Two-Dimensional Color and Design	3
ART 1213	Three-Dimensional Design	3
ART 1303	Basic Drawing	3
ART 1503	Introduction to Painting	3
or ART 3713	Painting-Watercolor	
ART 1603	Introduction to Photography	3
ART 2223	Introduction to Computer Based Art	3
ART 2303	Figure Drawing	3
ART 2403	Western Art History I	3
or ART 3513	History of Art: 19th Century	
ART 2413	Western Art History II	3
or ART 4523	History of Art: 20th Century	
ART 2753	Sculpture I	3
ART 2823	Ceramics: Handbuilding	3
or ART 2833	Ceramics: Throwing I	
ART 3343	Women in the Visual Arts	3
or ART 3053	Global Perspectives in Art	
ART 4073	Contemporary Issues in Art	3
ART 4533	History of American Film Noir (ART 4903 The Art of Alfred Hitchcock)	3
or ART 4903	Special Topics	
ART 4233	The Professional Portfolio (or ART 4903 ST: Portfolio Photography)	3
or ART 4903	Special Topics	
ART 4613	Printmaking	3
ART Course Elective		3
Photography Concentraton Courses		
ART 2653	Black and White Photography	3
ART 4653	Color Photography	3
ART 4663	Digital Photography	3
ART 4673	Alternative Photographic Processes	3
or ART 4683	Photographic Possibilities	
ART 4903	Special Topics (ST: Photography: Creative Lighting)	3
ART 4903	Special Topics (ST: Photography: Still to Motion)	3
ART 4953	Cooperative Education	3
BUS 3113	Principles of Marketing	3
BUS 3243	Entrepreneurship	3
Total Semester Credit Hours		78

Bachelor of Fine Arts in Art (Photography with Business) Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
ART 1203	Two-Dimensional Color and Design	ARTS 1311	3
ART 1303	Basic Drawing	ARTS 1316	3
ART 1603	Introduction to Photography		3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1

Wellness CAO Core			2
ENG 1013	Composition I	ENGL 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 1213	Three-Dimensional Design	ARTS 1312	3
ART 2653	Black and White Photography	ARTS 2356	3
ART 2223	Introduction to Computer Based Art		3
ENG 1023	Composition II	ENGL 1302	3
Mathematics Core			3
	Semester Credit Hours		15
Second Year			
Fall		**TCCN**	
ART 2303	Figure Drawing	ARTS 2323	3
ART 2403 or 3513 (History of Art: 19th Century)	Western Art History I	ARTS 1303	3
ART 4653	Color Photography	ART 2357	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 2753	Sculpture I	ARTS 2326	3
ART 1503 or 3713	Introduction to Painting	(ARTS 2316) or (ARTS 2366)	3
ART 2413 or 4523 (History of Art: 20th Century)	Western Art History II	ARTS 1304	3
ART 4663	Digital Photography		3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
ART 4533 or 4903 (ST: The Art of Alfred Hitchcock)	History of American Film Noir		3
ART 4673 or 4683 (Photographic Possibilities)	Alternative Photographic Processes		3
ART 2823 or 2833 (Ceramics: Throwing I)	Ceramics: Handbuilding	(ARTS 2346) or (ARTS 2347)	3
GOV 2013	U.S. National Government	GOVT 2305	3
Life and Physical Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 3053 or 3343 (ART 3053 [GP])	Global Perspectives in Art		3
ART 4613	Printmaking		3
ART 4903 (ST: Creative Lighting)	Special Topics		3
GOV 2023	Texas Government	GOVT 2306	3
Life and Physical Science Core			3
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
ART 4073	Contemporary Issues in Art		3
ART 4233 or 4903 (ST: Portfolio Photography)	The Professional Portfolio		3
ART 4903 (ST: Still to Motion)	Special Topics		3
BUS 3113	Principles of Marketing		3
Social/Behavioral Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 4953	Cooperative Education		3
BUS 3243	Entrepreneurship		3
ART Studio Course Elective			3
Creative Arts Core			3
Component Area Option (Multicultural Women's Studies)			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Fine Arts in Art (Sculpture)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

Bachelor of Fine Arts in Art (120 semester credit hours)

Students must make a C or above in all art degree courses.

Degree Course Requirements (78 semester credit hours)

ART 1203	Two-Dimensional Color and Design	3
ART 1213	Three-Dimensional Design	3
ART 1303	Basic Drawing	3
ART 1313	Drawing II	3
ART 1503	Introduction to Painting	3
or ART 3713	Painting-Watercolor	
ART 1603	Introduction to Photography	3
ART 2223	Introduction to Computer Based Art	3
ART 2503	History of Art-Ancient and Primitive	3
or ART 2513	History of Art-Medieval	
or ART 3503	History of Art: Renaissance	
ART 2753	Sculpture I	3
ART 2823	Ceramics: Handbuilding	3
ART 3343	Women in the Visual Arts	3
or ART 3053	Global Perspectives in Art	
ART 3513	History of Art: 19th Century	3
ART 4073	Contemporary Issues in Art	3
ART 4523	History of Art: 20th Century	3
ART 4613	Printmaking	3
Art Studio Course Elective		3
ART 4993	Exhibition	3
Sculpture Concentration Courses		
ART 2303	Figure Drawing	3
ART 3763	Intermediate Sculpture: Metal Fabrication and Alternative Media	3
ART 3763	Intermediate Sculpture: Metal Fabrication and Alternative Media	3
ART 3773	Intermediate Sculpture: Casting and Mold Making	3
ART 3773	Intermediate Sculpture: Casting and Mold Making	3
ART 4903	Special Topics (Sculpture)	3
or ART 4913	Independent Study	
ART 4903	Special Topics	3
or ART 4913	Independent Study	
ART 4763	Advanced Sculpture	3
ART 4763	Advanced Sculpture	3
Total Semester Credit Hours		78

Bachelor of Fine Arts in Art (Sculpture) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ART 1203	Two-Dimensional Color and Design	ARTS 1311	3
ART 1303	Basic Drawing	ARTS 1316	3
ART 1603	Introduction to Photography		3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness CAO Core			2
ENG 1013	Composition I	ENGL 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
ART 1213	Three-Dimensional Design	ARTS 1312	3
ART 1313	Drawing II	ARTS 1317	3
ENG 1023	Composition II	ENGL 1302	3
Mathematics Core			3
Social/Behavioral Science Core			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
ART 2223	Introduction to Computer Based Art		3
ART 2753	Sculpture I	ARTS 2326	3
Select three semester credit hours from the following:			3
ART 2503	History of Art-Ancient and Primitive		
ART 2513	History of Art-Medieval		
ART 3503	History of Art: Renaissance		
ART 1503	Introduction to Painting	ARTS 2316	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
	Semester Credit Hours		15

Spring		TCCN	
ART 3513	History of Art: 19th Century		3
ART 2823 or 2833	Ceramics: Handbuilding	(ARTS 2346) or (ARTS 2347)	3
ART 2303	Figure Drawing	ARTS 2323	3
ART 3763 or 3773	Intermediate Sculpture: Metal Fabrication and Alternative Media		3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
	Semester Credit Hours		15

Third Year

Fall		TCCN	
ART 4523	History of Art: 20th Century		3
ART 3763 or 3773	Intermediate Sculpture: Metal Fabrication and Alternative Media		3
ART 3763 or 3773	Intermediate Sculpture: Metal Fabrication and Alternative Media		3
GOV 2013	U.S. National Government	GOVT 2305	3
Life and Physical Science Core			3
	Semester Credit Hours		15

Spring		TCCN	
ART 4613	Printmaking		3
ART 4903 or 4913 (4903 ST: Sculpture)	Special Topics		3
ART 3763 or 3773	Intermediate Sculpture: Metal Fabrication and Alternative Media		3
GOV 2023	Texas Government	GOVT 2306	3
Life and Physical Science Core			3
	Semester Credit Hours		15

Fourth Year

Fall		TCCN	
ART 4073	Contemporary Issues in Art		3
ART 4903 or 4913 (4903 ST: Sculpture)	Special Topics		3
ART 4763	Advanced Sculpture		3
ART Studio Course Elective			3
Component Area Option (Multicultural Women's Studies)			3
	Semester Credit Hours		15

Spring		TCCN	
ART 4993	Exhibition		3
ART 3053 or 3343 (ART 3053 [GP])	Global Perspectives in Art		3
ART 4763	Advanced Sculpture		3
Creative Arts Core			3
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Music Program

Web Site: http://www.twu.edu/music

Chair: *Pamela Youngblood, Professor*
Location: *MUSIC 114*
Phone: *940-898-2500*
Fax: *940-898-2494*
Email: *music@twu.edu*

Undergraduate Degrees Offered

- B.S. in Music Therapy (p. 255)
- B.A. in Music (EC-12 Strings Certification) (p. 253)
- B.A. in Music (EC-12 Choral Certification) (p. 244)
- B.A. in Music (EC-12 Band Certification) (p. 246)
- B.A. in Music (Vocal Performance) (p. 248)
- B.A. in Music (Piano Performance) (p. 250)
- B.A. in Music (Instrumental Performance) (p. 251)
- B.A. in Music (Liberal Arts) (p. 243)

The School of the Arts offers programs leading to the Bachelor of Science in Music Therapy, the Bachelor of Arts in Music Education (leading to teacher certification), Performance, and Liberal Arts.

For a detailed statement regarding music policy, the student should consult the Music Major Handbook, available online at www.twu.edu/music.

The music program challenges students to seek their highest level of scholarship and musicianship, whether as therapists, educators, or artists. Understanding the impact of music in society, the department strives to build the student's awareness of the influence of music upon personal expression, creativity, artistry, and health in our society.

Texas Woman's University was the first institution of higher education in Texas to offer a degree in music. The Music Department, founded in 1915, is housed in an historic building. The Department of Music is a member in full standing of the National Association of Schools of Music, is a member of the Texas Association of Music Schools, and observes the Field of Study Curriculum from the Texas Higher Education Coordinating Board.

Core Courses Required for all Music Degrees

The following basic courses are required for all music degrees:

MU 1021	Keyboard Musicianship I	1
MU 1031	Keyboard Musicianship II	1
MU 1521	Aural Skills I	1
MU 1523	Music Theory I	3
MU 1531	Aural Skills II	1
MU 1533	Music Theory II	3
MU 2061	Keyboard Musicianship III	1
MU 2521	Aural Skills III	1
MU 2523	Music Theory III	3
MU 2531	Aural Skills IV	1
MU 2533	Music Theory IV	3
MU 3313	Music History I	3
MU 3323	Music History II	3
MU 3542	Conducting I	2
MU 3713	Music and World Cultures	3
Applied Lessons: Primary Instrument (until completion of Capstone; SCH requirement may differ by music track)		
Large Ensemble (each Fall/Spring when registered for 12 or more SCH)		

Additional requirements are listed with each of the specific degrees which follow.

Piano Proficiency Requirement

All music majors must demonstrate proficiency of functional piano skills; specific guidelines may be found in the Music Major Handbook (http://www.twu.edu/music/current-students.asp).

Applied Music Areas

Applied lessons in a student's area of instrumental or vocal concentration are required for all music majors as part of their degree plans. Registration for one semester credit hour connotes one 30-minute weekly lesson, and registration for two semester credit hours connotes a 1-hour weekly lesson. Information on fees for private lessons in music is listed in the schedule of classes.

Registration for private lessons by non-music majors, and by music majors on a secondary instrument, requires permission of the department chair and studio placement by the appropriate faculty. Such registrations are limited to 1-semester credit hour.

Performance Examinations

All students taking applied music lessons as degree candidates in music, or music minors, will take a final jury exam each semester. Students who have given a full recital, including lecture recitals or performance capstones, during the semester are not required to take the jury exam.

BARRIER JURY EXAM

Music major students who begin their collegiate study at TWU (FTIC) will attempt the barrier exam during the fourth semester of private study. Transfer students are allowed a maximum of four semesters at TWU before taking the barrier exam. Successful completion of the barrier exam qualifies the student to proceed with the performance capstone process. The barrier exam will be scheduled for a longer duration than the regular end-of semester jury. Students who do not pass the barrier exam will be allowed a second attempt in the subsequent semester. After two unsuccessful barrier exam attempts, the student will no longer be allowed to be a music major and music faculty will advise the student into an alternative program.

PERFORMANCE CAPSTONE

The Performance Capstone is designed to demonstrate a synthesis of what the student has learned musically, artistically, and in all performance aspects on the principal instrument. It is expected that a student and teacher will prepare for at least one year between the student's passing of the barrier exam and the performance capstone. The performance capstone will consist of a minimum of 15-20 minutes

of music and must be preceded by a hearing at least two weeks before the performance.

Ensemble Requirements

Full-time undergraduate music majors are required to be in a large ensemble corresponding to their primary instrument each semester that they are enrolled, except during student teaching or internship semesters. See the Music Major Handbook for designated large ensembles. Students who have piano, organ, or guitar as a primary instrument are required to enroll in a large ensemble (determined by advisor) for 4 semesters.

Recital Attendance Requirement

During each semester of study, except during student teaching or internship semesters, undergraduate music majors are required to attend a minimum of ten (or five for part-time students) music recitals or concerts as specified in the Music Major Handbook. Additionally, students are required to attend a TWU dance, drama, and visual art event (one each) per semester.

Graduate Courses

Refer to the Graduate Catalog (http://catalog.twu.edu/graduate) for information regarding graduate courses.

Admissions

Music majors must complete a satisfactory entrance audition of standard repertoire for their instrument or voice classification. Transfer students must complete a music theory placement exam if transferring in an entire two-year undergraduate theory curriculum, and/or a music history placement exam if transferring in an entire one-year undergraduate history curriculum. See the Music Major Handbook (http://www.twu.edu/music/current-students.asp) for further details.

Minors

Music Minor

18 semester credit hours must include:

MU 1521	Aural Skills I	1
MU 1531	Aural Skills II	1
MU 1523	Music Theory I	3
MU 1533	Music Theory II	3
Select six semester credit hours from the following:		6
MU 2713	Understanding the Arts - Music	
MU 2813	American Roots Music	
MU 3703	Women in Music	
MU 3713	Music and World Cultures	
4 semester credit hours of ensembles and/or applied music.		4

Courses

MU 1021. Keyboard Musicianship I. (TCCN MUSI 1181) Group instruction in beginning piano. Emphasizes acquisition of basic keyboard skills and chords, sight-reading, transposition, harmonization, and improvisation. Two laboratory hours a week. Credit: One hour.

MU 1031. Keyboard Musicianship II. (TCCN MUSI 1182) Group instruction in beginning piano. Continuation of basic keyboard skills, scales, major and minor chords, sight-reading, transposition, and improvisation. Prerequisite: MU 1021. Two laboratory hours a week. Credit: One hour.

MU 1112. Music and Wellness. Relationships between music and emotional, intellectual, physical, social, and spiritual wellness; emphasis on utilizing music to enhance personal well-being. Two lecture hours a week. Credit: Two hours.

MU 1501. Introduction to Aural Skills. Introduction to solfege, sight-singing, and ear-training. Designed for students who have a limited background in music. Two laboratory hours a week. Credit: One hour.

MU 1503. Fundamentals of Music. (TCCN MUSI 1303) Scales, rhythm, meter, key signatures, musical terminology, intervals, and chord construction for students who have a limited background in music. Three lecture hours a week. Credit: Three hours.

MU 1521. Aural Skills I. (TCCN MUSI 1116, MUSI 1216) Sight-singing and ear training for music reading and analysis. Co-requisite: MU 1523. Two laboratory hours a week. Credit: One hour.

MU 1523. Music Theory I. (TCCN MUSI 1211, MUSI 1311) Basic elements of music and music writing, beginning harmonic, melodic, and rhythmic principles. Co-requisite: MU 1521. Three lecture hours a week. Credit: Three hours.

MU 1531. Aural Skills II. (TCCN MUSI 1117, MUSI 1217) Sight-singing and ear training for music reading and analysis. Co-requisite: MU 1533. Two laboratory hours a week. Credit: One hour.

MU 1533. Music Theory II. (TCCN MUSI 1212, MUSI 1312) Continuation of MU 1523 with emphasis on part-writing procedures within the diatonic system. Co-requistie: MU 1531. Three lecture hours a week. Credit: Three hours.

MU 2001. Woodwinds. Private lessons for woodwind instruments. One-half hour a week. Credit: One hour.

MU 2002. Woodwinds. Private lessons for woodwind instruments. One hour a week. Credit: Two hours.

MU 2011. Organ. Private organ lessons. One-half hour a week. Credit: One hour.

MU 2012. Organ. Private organ lessons. One hour a week. Credit: Two hours.

MU 2021. Brass. Private lessons for brass instruments. One-half hour a week. Credit: One hour.

MU 2022. Brass. Private lessons for brass instruments. One hour a week. Credit: Two hours.

MU 2031. Piano. Private piano lessons. One-half hour a week. Credit: One hour.

MU 2032. Piano. Private piano lessons. One hour a week. Credit: Two hours.

MU 2041. Strings. Private lessons for stringed instruments. One-half hour a week. Credit: One hour.

MU 2042. Strings. Private lessons for stringed instruments. One hour a week. Credit: Two hours.

MU 2061. Keyboard Musicianship III. (TCCN MUSI 2181) Group instruction in piano. Continuation of basic keyboard skills, sight-reading of open choral and instrumental scores, and instrumental transposition. Prerequisite: MU 1031. Two laboratory hours a week. Credit: One hour.

MU 2081. Keyboard Musicianship IV. (TCCN MUSI 2182) Group instruction in piano. Continuation of basic keyboard skills, playing of open choral and instrumental scores, transposition, modulation, harmonization involving chromatic harmony, and improvisation. Prerequisite: MU 2061. Two laboratory hours a week. Credit: One hour.

MU 2091. Voice. Private voice lessons. One-half hour a week. Credit: One hour.

MU 2092. Voice. Private voice lessons. One hour a week. Credit: Two hours.

MU 2202. Introduction to Music Education. Incorporation of learning styles, assessment tools and lesson planning, technology, diversity, and behavior management specific to the music classroom. State music contest (UIL) preparation, professional organizations, and historical development and philosophy of music education. Two lecture hours a week. Credit: Two hours.

MU 2391. Percussion. Private percussion lessons. One-half hour a week. Credit: One hour.

MU 2392. Percussion. Private percussion lessons. One hour a week. Credit: Two hours.

MU 2431. Guitar. Private guitar lessons. One-half hour a week. Credit: One hour.

MU 2432. Guitar. Private guitar lessons. One hour a week. Credit: Two hours.

MU 2512. Introduction to Music Therapy. History, principles, and methods governing music therapy practice; characteristics and needs of client populations; the role of music therapists in treatment teams and professional organizations. Two lecture hours a week. Credit: Two hours.

MU 2521. Aural Skills III. (TCCN MUSI 2116, MUSI 2216) Sight-singing and ear training for music reading and analysis. Co-requisite: MU 2523. Two laboratory hours a week. Credit: One hour.

MU 2522. Music Skills for Therapy, Recreation, and Special Education. Music techniques for therapeutic, recreational, and special education settings; functional use of nonsymphonic instruments; instrumental adaptations for individuals with special needs; clinical use of songleading skills. Two lecture hours a week. Credit: Two hours.

MU 2523. Music Theory III. (TCCN MUSI 2211, MUSI 2311) Detailed studies of music theory with emphasis on modulation and secondary harmony. Keyboard harmony, sight singing, and ear training. Co-requisite: MU 2521. Three lecture hours a week. Credit: Three hours.

MU 2531. Aural Skills IV. (TCCN MUSI 2117, MUSI 2217) Sight-singing and ear training for music reading and analysis. Co-requisite: MU 2533. Two laboratory hours a week. Credit: One hour.

MU 2533. Music Theory IV. (TCCN MUSI 2312) Continuation of MU 2523 with emphasis on altered and expanded harmonies and non-tonal practices. Co-requisite: MU 2531. Three hours of lecture a week. Credit: Three hours.

MU 2713. Understanding the Arts - Music. (TCCN MUSI 1306) Listening techniques for the enjoyment of music through examples of various periods, styles, and forms; developing and increasing the cultural awareness of the student. Three lecture hours a week. Credit: Three hours.

MU 2813. American Roots Music. An examination of music that is native to the United States from historical, cultural, and contemporary perspectives; music of various ethnic and regional groups and its impact on the evolution of genres including rock and roll, blues, and jazz. Three lecture hours a week. Credit: Three hours.

MU 3001. Brass Techniques. Applied study of trumpet, trombone, horn, and tuba. Two laboratory hours a week. Credit: One hour.

MU 3011. Percussion Techniques I. Applied study of percussion. Two laboratory hours a week. Credit: One hour.

MU 3021. Percussion Techniques for Music Therapy. Applied study of standard and ethnic percussion techniques for use in music therapy. Includes leading improvisational experiences and drum circle management skills. Prerequisite: Music Therapy major or permission of instructor. Two laboratory hours a week. Credit: One hour.

MU 3031. String Techniques. Applied study of violin, viola, cello, and bass. Two laboratory hours a week. Credit: One hour.

MU 3041. Woodwind Techniques. Applied study of clarinet, flute, oboe, and, bassoon. Two laboratory hours a week. Credit: One hour.

MU 3051. Functional Piano I. Piano technique and functional keyboard skills including choral and instrumental score reading, transposition, melodic harmonization, improvisation, and intermediate to advanced level repertoire. Prerequisite: MU 2061 and completion of piano proficiency exam. One 30-minute lesson a week. Credit: One hour.

MU 3052. Instrumental Techniques and Pedagogy. Introduction to instruments for music educators. Rehearsal objectives, instructional techniques, and materials for beginning band and orchestra; rehearsal management and organization; diagnostic skills for teaching performance fundamentals; and lab school field experience. Two lecture and one laboratory hour a week. Credit: Two hours.

MU 3132. Voice for Musical Theatre. Fundamentals for vocal technique associated with musical theatre repertoire; song mapping, chorus singing, and formulating proper cuts for audition material. Prerequisite: Audition or approval of instructor. One lecture and two laboratory hours a week. Credit: Two hours.

MU 3301. Guitar Class. Fundamentals of functional guitar performance which include primary and secondary chords in eight keys, strumming and picking patterns, and techniques for accompanying singing. Two laboratory hours a week. Credit: One hour.

MU 3313. Music History I. Survey of music history and literature from antiquity to the 1750s. Three lecture hours a week. Credit: Three hours.

MU 3323. Music History II. Continuation of MU 3313. Survey of music history and literature from 1750 to the present day. Three lecture hours a week. Credit: Three hours.

MU 3401. Voice Class. Fundamentals of vocal technique presented in group situation. Basic concepts of phonation, vowels, breathing, posture, and stage presence. Two laboratory hours a week. Credit: One hour.

MU 3402. Vocal Literature. A historic survey of standard vocal literature, specifically art songs from the Renaissance to the 20th century. Two lecture hours a week. Credit: Two hours.

MU 3432. Secondary Methods and Literature I. Broad topics related to music programs in junior high/middle schools and high schools. Prerequisites: MU 2061, MU 2202, MU 2521, and MU 2523. Two lecture hours a week. Credit: Two hours.

MU 3441. Marching Band Practicum. Organization and management of marching bands and an examination of software designed for writing drills. Placement as marching band assistants in area high school or college marching bands. May be repeated for credit. Three practicum hours a week. Credit: One hours.

MU 3442. English, Italian, and Latin Diction. Articulation and pronunciation competencies for singing in English, Italian, and Latin languages, focusing on the sounds and symbols of the International Phonetic Alphabet and rules for singing diction. Two lecture hours a week. Credit: Two hours.

MU 3452. French and German Diction. Articulation and pronunciation competencies for singing in French and German languages, focusing on the sounds and symbols of the International Phonetic Alphabet and rules for singing diction. Two lecture hours a week. Credit: Two hours.

MU 3492. Vocal Pedagogy. Study of the physical process of singing. Discussion of general vocal problems in individuals and groups, and investigation of various methods of overcoming these problems. Evaluation of good vocal technique. Special vocal problems of children and adolescents, in particular the boy's changing voice. Two lecture hours a week. Credit: Two hours.

MU 3531. University Chorus. A choral ensemble designed to provide group singing opportunities for all students. Open to all students, regardless of major and/or musical background, without audition. May be repeated for credit. Two rehearsal hours a week. Credit: One hour.

MU 3541. Wind Symphony. Performance of standard band repertoire and music by modern composers. May be repeated for additional credit. Three hours of rehearsal a week. Credit: One hour.

MU 3542. Conducting I. A laboratory class offering the fundamentals of beat patterns, attacks, releases, and fermatas on all beats and parts of beats. Methods of cueing, changing tempo, meter and dynamics, music terminology, and basic score reading. Prerequisite: MU 2531. One lecture and two laboratory hours a week. Credit: Two hours.

MU 3551. Concert Choir. A select choir singing music written for women's voices drawn from the major periods of music. Open by audition to both majors and non-majors. May be repeated for credit. Four rehearsal hours a week. Credit: One hour.

MU 3571. Jazz Ensemble. Music majors, music minors, and non-music majors who play wind and percussion instruments perform standard and modern jazz repertoire for large ensemble and combo. May be repeated for credit; repertoire varies each semester. Three rehearsal hours a week. Credit: One hour.

MU 3581. Chamber Music. Designed for students whose major applied instrument is strings, piano, woodwinds, and brass, who will learn and perform standard chamber music literature and who will listen to and become thoroughly familiar with the entire range of classical, romantic, and contemporary chamber music. Prerequisite: Permission of instructor. Two rehearsal hours a week. Credit: One hour.

MU 3591. Vocal Ensemble. Select opera workshop or music theatre ensemble or mixed vocal ensemble. May be repeated for credit. Prerequisite: Audition. Two rehearsal hours a week. Credit: One hour.

MU 3601. Advanced Conducting. Application of the technical and expressive aspects of conducting, score study techniques, ensemble concepts, historical performance styles, and error detection skills. Credit: One hour.

MU 3602. Secondary Methods and Literature II. Methods, materials, and pedagogy related to the teaching of choral and instrumental music in the middle school and high school levels. Prerequisites: MU 2061, MU 2202, MU 2521, MU 2523, and MU 3432. Two lecture hours a week. Credit: Two hours.

MU 3632. Essentials of Music. Teaching music in the elementary school. Two lecture hours a week. Credit: Two hours.

MU 3641. Chamber Orchestra. Performance of standard chamber orchestra repertoire and music by modern composers. May be repeated once for additional credit. Three laboratory hours a week. Credit: One hour.

MU 3671. Functional Singing. Coordination of the fundamentals of vocal technique (e.g. posture, breathing, phonation, vowels) while song-leading and accompanying oneself. Presented in group format. Prerequisite: Music Therapy major or permission of instructor. Two laboratory hours a week. Credit: One hour.

MU 3681. Opera Ensemble. Singer experiences in all facets of operatic production through operatic scenes, acting, movement, set building, makeup, lighting, and costumes. May be repeated for credit; repertoire varies each semester. Four laboratory hours a week. Credit: One hour.

MU 3702. Practicum in Music Therapy - Level I. Foundational clinical music therapy skills in documentation. observation, measurement, and data collection with particular attention to assessment, treatment. and evaluation. Includes music therapy theory, research, and practice to address therapeutic applications. Prerequisites: Junior standing and MU 2512, or permission of instructor. One lecture and three practicum hours a week. Credit: Two hours.

MU 3703. Women in Music. An examination of music from the historical, cultural, and contemporary perspectives of women. Topics will include women as composers and performers, and the cultural values that have affected women's participation in musical life. Three lecture hours a week. Credit: Three hours.

MU 3712. Practicum in Music Therapy - Level II. Continuation of MU 3702. Foundational clinical music therapy skills in documentation, observation, measurement, and data collection with particular attention to assessment, treatment, and evaluation. Includes music therapy theory, research, and practice. Prerequisites: Junior standing and MU 3702, or permission of instructor. One lecture and three practicum hours a week. Credit: Two hours.

MU 3713. Music and World Cultures. Study of the elements and functions of music, with an emphasis on the anthropology of music and on multi-cultural awareness. Includes description and comparison of contemporary music, both indigenous to non-Western cultures and to American popular culture. Three lecture hours a week. Credit: Three hours.

MU 3832. Elementary Music Content. Study of music content specific to the elementary school. Survey of folk music literature. Two lecture hours a week. Credit: Two hours.

MU 4001. Woodwinds. Private lessons for woodwind instruments. One-half hour a week. Credit: One hour.

MU 4002. Woodwinds. Private lessons for woodwind instruments. One hour a week. Credit: Two hours.

MU 4011. Organ. Private organ lessons. One-half hour a week. Credit: One hour.

MU 4012. Organ. Private organ lessons. One hour a week. Credit: Two hours.

MU 4021. Brass. Private lessons for brass instruments. One-half hour a week. Credit: One hour.

MU 4022. Brass. Private lessons for brass instruments. One hour a week. Credit: Two hours.

MU 4031. Piano. Private piano lessons. One-half hour a week. Credit: One hour.

MU 4032. Piano. Private piano lessons. One hour a week. Credit: Two hours.

MU 4041. Strings. Private lessons for stringed instruments. One-half hour a week. Credit: One hour.

MU 4042. Strings. Private lessons for stringed instruments. One hour a week. Credit: Two hours.

MU 4061. Functional Piano II. Continuation of piano technique and functional keyboard skills including score reading, transposition, melodic harmonization, improvisation, and advanced intermediate level repertoire. Prerequisite: MU 3051 or permission of instructor. One 30-minute lesson a week. Credit: One hour.

MU 4091. Voice. Private voice lessons. One-half hour a week. Credit: One hour.

MU 4092. Voice. Private voice lessons. One hour a week. Credit: Two hours.

MU 4391. Percussion. Private percussion lessons. One-half hour a week. Credit: One hour.

MU 4392. Percussion. Private percussion lessons. One hour a week. Credit: Two hours.

MU 4431. Guitar. Private guitar lessons. One-half hour a week. Credit: One hour.

MU 4432. Guitar. Private guitar lessons. One hour a week. Credit: Two hours.

MU 4512. Instrumental Arranging. Detailed study of characteristics of all instruments and scoring problems involved in mixed ensemble. Prerequisites: MU 2523 and MU 2533. Two lecture hours a week. Credit: Two hours.

MU 4513. Music in Therapy I. Clinical uses of music in therapy in medicine, wellness, palliative/hospice care, and gerontology. Includes survey of relevant music therapy literature and experiential training. Prerequisites: Music therapy major, Junior standing, and MU 2512; or permission of instructor. Three lecture hours a week. Credit: Three hours.

MU 4523. Music in Therapy II. Examination of music therapy practice, theory, and research in the fields of psychiatry, addiction and recovery, and developmental disabilities. Includes survey of relevant music therapy literature and experiential training. Prerequisites: Music therapy major; Junior standing, and MU 2512; or permission of instructor. Three lecture hours a week. Credit: Three hours.

MU 4533. Music Therapy III Techniques, and Reimbursement for Music Therapy. Professional ethics and methods of obtaining third party reimbursement for music therapy services. Includes survey of relevant music therapy and reimbursement literature. Prerequisites: Music therapy major, Junior standing, and MU 2512; or permission of instructor. Three lecture hours a week. Credit: Three hours.

MU 4633. Psychology of Music I. Study of the musical brain, with emphasis on musical perception, cognition, pathology, affect, preferences, and rehabilitation. Prerequisites: Music major and Junior standing, or permission of instructor. Three lecture hours a week. Credit: Three hours.

MU 4643. Psychology of Music II. An overview of music therapy research techniques with emphasis on objectivist research. Prerequisites: Music major and Junior standing, or permission of instructor. Three lecture hours per week. Credit: Three hours.

MU 4651. Music Therapy Clinical Internship I. Supervised clinical experiences with various; client populations. Prerequisites: Completion of all academic courses, completion of at least 180 clock hours of practicum/fieldwork experience, and permission of instructor. Taken in direct sequence with MU 4661 while meeting minimum of 1020 clinical training hours. Credit: One hour.

MU 4661. Music Therapy Clinical Internship II. Continuation of MU 4651. Supervised clinical experiences with various client populations. Prerequisites: MU 4651 and permission of instructor. Taken in direct sequence with MU 4651 while meeting minimum of 1020 clinical training hours. Credit: One hour.

MU 4702. Advanced Practicum in Music Therapy- Level III. Advanced music therapy skills in documentation, observation, measurement, and data collection with particular attention to assessment, treatment, and evaluation. Includes music therapy theory, research, and practice. Prerequisites: Senior standing, MU 3712, and permission of instructor. One lecture and three practicum hours a week. Credit: Two hours.

MU 4712. Advanced Practicum in Music Therapy- Level IV. Continuation of MU 4702. Advanced clinical music therapy skills in documentation, observation, measurement, and data collection with attention to assessment, treatment, and evaluation. Includes music therapy theory, research, and practice. Prerequisites: Senior standing, MU 4702, and permission of instructor. One lecture and three practicum hours a week. Credit: Two hours.

MU 4723. Seventeenth- and Eighteenth-Century Counterpoint. Studies and applied techniques in the contrapuntal methods of the 1600s and 1700s. Prerequisite: Senior standing or consent of instructor. Three lecture hours a week. Credit: Three hours.

MU 4901. Special Topics. An organized class for the study of particular area or subject not offered in another scheduled course. Prerequisite: Permission of instructor. One lecture hour a week. Credit: One hour.

MU 4903. Special Topics. An organized class for the study of a particular area or subject not offered in another scheduled course. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

MU 4911. Independent Study. Individual supervisory and tutorial instruction; content may include directed readings, a research project, or other similar studies. Prerequisite: Permission of instructor. Credit: One hour.

MU 4913. Independent Study. Individual supervisory and tutorial instruction; content may include directed readings, a research project, or other similar studies. Prerequisite: Permission of instructor. Credit: Three hours.

Faculty

Professors

COHEN, NICKI S., Professor of Music. B.S., Duquesne University; M.A., University of Denver; Ph.D., University of Kansas.

HADSELL, NANCY A., Professor of Music. B.A., University of Georgia; M.M.E., University of Georgia; Ph.D., University of Kansas.

SHUSTER, RICHARD J., Professor of Music. B.Mus., Indiana University-Bloomington; M.M., University of Rochester; D.M.A., University of Rochester.

YOUNGBLOOD, PAMELA J., Professor of Music; Chair of the Department of Music and Drama; Co-Coordinator of the School of the Arts. B.M., Union University; M.M., University of North Texas; D.M.A., University of North Texas.

Associate Professors

BAKER, VICKI D., Associate Professor of Music. B.A., Texas A&M University, Corpus Christi; M.A., Texas Woman's University; Ph.D., Texas Tech University.

BYNANE, PATRICK M., Associate Professor of Drama; Program Director of Drama. B.A., Ashland University; M.A., Southwest Missouri State University; Ph.D., Louisiana State University .

GORMAN, RHONDA, Associate Professor of Drama. B.F.A., Texas Christian University; M.F.A., Southern Methodist University.

JENSEN, JONI L., Associate Professor of Music. B.Mus., Brigham Young University; M.M., Brigham Young University; D.M.A., University of Arizona.

YOUNG, STEVEN W., Associate Professor of Drama. B.A., University of Northern Iowa; M.F.A., Illinois State University.

Assistant Professors

BIGGERS, CARTER, Assistant Professor of Music. B.M., Texas Tech University; M.M., Texas Tech University, D.M.A., The University of Iowa.

LELEK, NOAH, Assistant Professor of Drama. B.S.E., Southwest Missouri State University; M.A., Missouri State University; Ph.D., University of Missouri.

THOMAS, PAUL D., Assistant Professor of Music. B.A., Cedarville University; M.M., Bowling Green State University; Ph.D., University of North Texas.

WOOLERY, DANIELLE N., Assistant Professor of Music. B.M., University of North Texas; M.M., Webster University; D.M.A., University of Miami.

ZANDERS, MICHAEL L., Assistant Professor of Music. B.M., Temple University; M.M., Temple University; Ph.D., Temple University; .

Bachelor of Arts in Music (Liberal Arts)

See website for course work: www.twu.edu/music

Total Semester Credit Hours Required

120 semester credit hours.

Major

49 semester credit hours.

Music Courses (in addition to music core)

Applied Music (12 semester credit hours, 4 must be upper level)		12
Music Ensembles (8 semester credit hours, upper level)		8
Foreign Language		6
MU 4911	Independent Study (Final Project)	1

Bachelor of Arts in Music (Liberal Arts) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
MU 1021	Keyboard Musicianship I	MUSI 1181	1
MU 1112	Music and Wellness		2
MU 1521	Aural Skills I	MUSI 1116, MUSI 1216	1
MU 1523	Music Theory I	MUSI 1211, MUSI 1311	3
Large Ensemble			1
Applied Music: Primary Instrument			2
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
	Semester Credit Hours		14
Spring		**TCCN**	
MU 1031	Keyboard Musicianship II	MUSI 1182	1
MU 1531	Aural Skills II	MUSI 1117, MUSI 1217	1
MU 1533	Music Theory II	MUSI 1212, MUSI 1312	3
Large Ensemble			1
Applied Music: Primary Instrument			2
ENG 1023	Composition II	ENGL 1302	3
Mathematics Core			3
Elective			2
	Semester Credit Hours		16

Second Year

Fall		TCCN	
MU 2061	Keyboard Musicianship III	MUSI 2181	1
MU 2521	Aural Skills III	MUSI 2116, MUSI 2216	1
MU 2523	Music Theory III	MUSI 2211, MUSI 2311	3
Large Ensemble			1
Applied Music: Primary Instrument			2
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Language, Philosophy, Culture Core			3
Elective			1
	Semester Credit Hours		15

Spring		TCCN	
MU 2531	Aural Skills IV	MUSI 2117, MUSI 2217	1
MU 2533	Music Theory IV	MUSI 2312	3
MU 3703	Women in Music		3
Large Ensemble			1
Applied Music: Primary Instrument			2
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Elective			1
	Semester Credit Hours		14

Third Year

Fall		TCCN	
MU 3313	Music History I		3
MU 3542	Conducting I		2
Large Ensemble			1
Applied Music: Primary Instrument (upper level)			2
Foreign Language			3
Elective			1
Elective			3
	Semester Credit Hours		15

Spring		TCCN	
MU 3323	Music History II		3
Large Ensemble			1
Applied Music: Primary Instrument (upper level)			2
Foreign Language			3
Life/Physical Science Core			3
Social/Behavioral Science Core			3
	Semester Credit Hours		15

Fourth Year

Fall		TCCN	
MU 3713 (GP)	Music and World Cultures		3
Large Ensemble			1
Life/Physical Science Core			3
GOV 2013	U.S. National Government	GOVT 2305	3
Elective			2
Elective			3
	Semester Credit Hours		15

Spring		TCCN	
MU 4911	Independent Study		1
Large Ensemble			1
GOV 2023	Texas Government	GOVT 2306	3
Elective			3
Elective (upper level)			2
Elective (upper level)			3
Elective (upper level)			3
	Semester Credit Hours		16
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in Music (EC-12 Choral Certification)

Total Semester Credit Hours Required

134 semester credit hours.

Major

66 semester credit hours.

Minor

23 semester credit hours.

Bachelor of Arts in Music – Teacher Certification

All-level Teaching Certificate in Music

General Description

The University general requirements for the baccalaureate degree are listed earlier in this catalog. See the College of Professional Education section of this catalog for options.

Music Courses (in addition to music core)

Code	Title	Semester Credit Hours
MU 2202	Introduction to Music Education	2
MU 3832	Elementary Music Content	2
MU 3432	Secondary Methods and Literature I	2
MU 3601	Advanced Conducting	1
MU 3602	Secondary Methods and Literature II	2
MU 4512	Instrumental Arranging	2

Education Minor

Code	Title	Semester Credit Hours
READ 3013	Literacy and Learning across the Curriculum	3
EDUC 2003	Schools and Society	3
EDUC 3003	Learning Theory and Development	3
EDUC 3482	Teaching Diverse Learners Through Technology Integration	2
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
EDUC 4826	Student Teaching: All-Level Music	6
EDSP 4203	Learners with Exceptionalities	3

Music Education - Choral Track

MU 3492	Vocal Pedagogy	2
MU 3442	English, Italian, and Latin Diction	2
MU 3452	French and German Diction	2
MU 3052	Instrumental Techniques and Pedagogy	2
MU 3051	Functional Piano I	1
MU 4061	Functional Piano II	1

Bachelor of Arts in Music (EC-12 Choral Certification) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
MU 1021	Keyboard Musicianship I	MUSI 1181	1
MU 1521	Aural Skills I	MUSI 1116, MUSI 1216	1
MU 1523	Music Theory I	MUSI 1211, MUSI 1311	3
MU 2202	Introduction to Music Education		2
Applied Music: Primary Instrument			2
Large Ensemble			1
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
	Semester Credit Hours		14
Spring		**TCCN**	
MU 1031	Keyboard Musicianship II	MUSI 1182	1
MU 1531	Aural Skills II	MUSI 1117, MUSI 1217	1
MU 1533	Music Theory II	MUSI 1212, MUSI 1312	3
Applied Music: Primary Instrument			2
Large Ensemble			1
ENG 1013	Composition I	ENGL 1301	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics Core			3
	Semester Credit Hours		17

Second Year

Fall		TCCN	
MU 2061	Keyboard Musicianship III	MUSI 2181	1
MU 2521	Aural Skills III	MUSI 2116, MUSI 2216	1
MU 2523	Music Theory III	MUSI 2211, MUSI 2311	3
MU 3442	English, Italian, and Latin Diction		2
Applied Music: Primary Instrument			2
Large Ensemble			1
ENG 1023	Composition II	ENGL 1302	3
GOV 2013	U.S. National Government	GOVT 2305	3
	Semester Credit Hours		16
Spring		**TCCN**	
MU 2531	Aural Skills IV	MUSI 2117, MUSI 2217	1
MU 2533	Music Theory IV	MUSI 2312	3
MU 3452	French and German Diction		2
MU 3832	Elementary Music Content		2
Applied Music: Primary Instrument			2
Large Ensemble			1
GOV 2023	Texas Government	GOVT 2306	3
Social/Behavioral Science Core			3
	Semester Credit Hours		17

Third Year

Fall		TCCN	
MU 3313	Music History I		3
MU 3492	Vocal Pedagogy		2
MU 3542	Conducting I		2
MU 3432	Secondary Methods and Literature I		2
MU 3703 (Multicultural Women's Studies CAO Core)	Women in Music		3
MU 4512	Instrumental Arranging		2
Applied Music: Primary Instrument			2
Large Ensemble			1
	Semester Credit Hours		17

Spring		TCCN	
MU 1112 (CAO Core)	Music and Wellness		2
MU 3052	Instrumental Techniques and Pedagogy		2
MU 3323	Music History II		3
MU 3601	Advanced Conducting		1
MU 3602	Secondary Methods and Literature II		2
Applied Music: Primary Instrument			2
Large Ensemble			1
EDUC 2003	Schools and Society	EDUC 1301	3
	Semester Credit Hours		16

Fourth Year

Fall		TCCN	
MU 3051	Functional Piano I		1
MU 3713 (GP)	Music and World Cultures		3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
Language, Philosophy, & Culture Core			3
Life/Physical Science Core			3
	Semester Credit Hours		15

Spring		TCCN	
MU 4061	Functional Piano II		1
READ 3013	Literacy and Learning across the Curriculum		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
Life/Physical Science Core			3
	Semester Credit Hours		16

Fifth Year

Fall		TCCN	
EDUC 4823	Student Teaching: All-Level Music		3
EDUC 4823	Student Teaching: All-Level Music		3
	Semester Credit Hours		6
	Total Semester Credit Hours:		134

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in Music (EC-12 Band Certification)

Total Semester Credit Hours Required

129 semester credit hours.

Major

67 semester credit hours.

Minor

23 semester credit hours.

Bachelor of Arts in Music – Teacher Certification

All-level Teaching Certificate in Music

General Description

The University general requirements for the baccalaureate degree are listed earlier in this catalog. See the College of Professional Education section of this catalog for options.

Music Courses (in addition to music core)

Code	Title	Semester Credit Hours
MU 2202	Introduction to Music Education	2
MU 3832	Elementary Music Content	2
MU 3432	Secondary Methods and Literature I	2
MU 3601	Advanced Conducting	1
MU 3602	Secondary Methods and Literature II	2
MU 4512	Instrumental Arranging	2

Education Minor

Code	Title	Semester Credit Hours
READ 3013	Literacy and Learning across the Curriculum	3
EDUC 2003	Schools and Society	3
EDUC 3003	Learning Theory and Development	3
EDUC 3482	Teaching Diverse Learners Through Technology Integration	2
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
EDUC 4826	Student Teaching: All-Level Music	6
EDSP 4203	Learners with Exceptionalities	3

Music Education - Band Track

MU 3401	Voice Class	1
MU 3001	Brass Techniques	1
MU 3011	Percussion Techniques I	1
MU 3031	String Techniques	1
MU 3041	Woodwind Techniques	1
MU 3571	Jazz Ensemble	1
MU 3441	Marching Band Practicum (must be taken twice)	2

Bachelor of Arts in Music (EC-12 Band Certification) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
MU 1021	Keyboard Musicianship I	MUSI 1181	1
MU 1112	Music and Wellness		2
MU 1521	Aural Skills I	MUSI 1116, MUSI 1216	1
MU 1523	Music Theory I	MUSI 1211, MUSI 1311	3
MU 2202	Introduction to Music Education		2
Large Ensemble			1
Applied Music: Primary Instrument			2
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
	Semester Credit Hours		16
Spring		**TCCN**	
MU 1031	Keyboard Musicianship II	MUSI 1182	1
MU 1531	Aural Skills II	MUSI 1117, MUSI 1217	1
MU 1533	Music Theory II	MUSI 1212, MUSI 1312	3
MU 3001	Brass Techniques		1
MU 3401	Voice Class		1
Large Ensemble			1
Applied Music: Primary Instrument			2
ENG 1023	Composition II	ENGL 1302	3
Social/Behavior Science Core			3
	Semester Credit Hours		16

Second Year

Fall		TCCN	
MU 2061	Keyboard Musicianship III	MUSI 2181	1
MU 2521	Aural Skills III	MUSI 2116, MUSI 2216	1
MU 2523	Music Theory III	MUSI 2211, MUSI 2311	3
MU 3441	Marching Band Practicum		1
Large Ensemble			1
Applied Music: Primary Instrument			2
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Mathematics Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
MU 2531	Aural Skills IV	MUSI 2117, MUSI 2217	1
MU 2533	Music Theory IV	MUSI 2312	3
MU 3011	Percussion Techniques I		1
MU 3571	Jazz Ensemble		1
Large Ensemble			1
Applied Music: Primary Instrument			2
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3

Language, Philosophy, & Culture Core			3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
MU 3031	String Techniques		1
MU 3313	Music History I		3
MU 3432	Secondary Methods and Literature I		2
MU 3542	Conducting I		2
MU 4512	Instrumental Arranging		2
Applied Music: Primary Instrument			2
Large Ensemble			1
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
	Semester Credit Hours		16
Spring		**TCCN**	
MU 3041	Woodwind Techniques		1
MU 3323	Music History II		3
MU 3601	Advanced Conducting		1
MU 3602	Secondary Methods and Literature II		2
Applied Music: Primary Instrument			2
Large Ensemble			1
EDUC 2003	Schools and Society	EDUC 1301	3
Life/Physical Science Core			3
	Semester Credit Hours		16
Fourth Year			
Fall		**TCCN**	
MU 3441	Marching Band Practicum		1
MU 3703 (Core MCWST)	Women in Music		3
MU 3713 (GP)	Music and World Cultures		3
GOV 2013	U.S. National Government	GOVT 2305	3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
	Semester Credit Hours		15
Spring		**TCCN**	
MU 3832	Elementary Music Content		2
READ 3013	Literacy and Learning across the Curriculum		3
GOV 2023	Texas Government	GOVT 2306	3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
	Semester Credit Hours		14
Fifth Year			
Fall		**TCCN**	
EDUC 4823	Student Teaching: All-Level Music		3
EDUC 4823	Student Teaching: All-Level Music		3
	Semester Credit Hours		6
	Total Semester Credit Hours:		129

(GP) courses satsify global perspectives graduation requirement.

Bachelor of Arts in Music (Vocal Performance)

Total Semester Credit Hours

120 semester credit hours.

Major

78 semester credit hours.

Bachelor of Arts in Music – Performance (120 semester credit hours)

Music Courses (in addition to music core)

Code	Title	Semester Credit Hours
MU 4723	Seventeenth- and Eighteenth-Century Counterpoint	3
Additional courses: Six semester credit hours of a foreign language.		6

Performance - Vocal Track

MU 1021	Keyboard Musicianship I	1
MU 1031	Keyboard Musicianship II	1
MU 2061	Keyboard Musicianship III	1
MU 3402	Vocal Literature	2
MU 3442	English, Italian, and Latin Diction	2
MU 3452	French and German Diction	2
MU 3492	Vocal Pedagogy	2
Applied Music (18 semester credit hours, 10 must be upper level)		18
Music Ensembles (10 semester credit hours to include 2 semesters of opera ensemble)		10

Bachelor of Arts in Music (Vocal Performance) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
MU 1021	Keyboard Musicianship I	MUSI 1181	1
MU 1521	Aural Skills I	MUSI 1116, MUSI 1216	1
MU 1523	Music Theory I	MUSI 1211, MUSI 1311	3
MU 2092	Voice		2
Large Choral Ensemble			1
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
MU 1031	Keyboard Musicianship II	MUSI 1182	1
MU 1531	Aural Skills II	MUSI 1117, MUSI 1217	1
MU 1533	Music Theory II	MUSI 1212, MUSI 1312	3
MU 2092	Voice		2
Large Choral Ensemble			1
ENG 1023	Composition II	ENGL 1302	3
Mathematics Core			3
	Semester Credit Hours		14

Second Year

Fall		TCCN	
MU 1112	Music and Wellness		2
MU 2061	Keyboard Musicianship III	MUSI 2181	1
MU 2092	Voice		2
MU 2521	Aural Skills III	MUSI 2116, MUSI 2216	1
MU 2523	Music Theory III	MUSI 2211, MUSI 2311	3
Large Choral Ensemble			1
GOV 2013	U.S. National Government	GOVT 2305	3
Social/Behavioral Science Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
MU 2092	Voice		2
MU 2531	Aural Skills IV	MUSI 2117, MUSI 2217	1
MU 2533	Music Theory IV	MUSI 2312	3
Large Choral Ensemble			1
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
GOV 2023	Texas Government	GOVT 2306	3
Elective			1
	Semester Credit Hours		14

Third Year

Fall		TCCN	
MU 3313	Music History I		3
MU 4092	Voice		2
MU 3492	Vocal Pedagogy		2
Large Choral Ensemble			1
DRAM 2213	Performance I	DRAM 1351	3
Foreign Language Elective			3
Elective			1
	Semester Credit Hours		15
Spring		**TCCN**	
MU 3323	Music History II		3
MU 3402	Vocal Literature		2
MU 4092 & MU 4091	Voice and Voice		3

Large Choral Ensemble		1
Foreign Language Elective		3
Life/Physical Science Core		3
	Semester Credit Hours	15
Fourth Year		
Fall	**TCCN**	
MU 3442	English, Italian, and Latin Diction	2
MU 3542	Conducting I	2
MU 3681	Opera Ensemble	1
MU 3713 (GP)	Music and World Cultures	3
MU 4092 & MU 4091	Voice and Voice	3
Large Choral Ensemble		1
Life/Physical Science Core		3
	Semester Credit Hours	15
Spring	**TCCN**	
MU 3452	French and German Diction	2
MU 3681	Opera Ensemble	1
MU 3703	Women in Music	3
MU 4092 & MU 4091	Voice and Voice	3
MU 4723	Seventeenth- and Eighteenth-Century Counterpoint	3
Large Choral Ensemble		1
Language/Phil/Cultural Core		3
	Semester Credit Hours	16
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in Music (Piano Performance)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

Bachelor of Arts in Music – Performance (120 semester credit hours)

Music Courses (in addition to music core)

Code	Title	Semester Credit Hours
MU 4723	Seventeenth- and Eighteenth-Century Counterpoint	3
Additional courses: Six semester credit hours of a foreign language.		6

Performance – Piano Track

MU 4913	Independent Study (Piano Literature)	3
MU 4913	Independent Study (Piano Pedagogy)	3
Applied Music (18 semester credit hours, 10 must be upper level)		18
Music Ensembles (4 semester credit hours)		4
Accompanying (4 semester credit hours)		4
Music Electives (4 semester credit hours)		4

Bachelor of Arts in Music (Piano Performance) Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
MU 1112	Music and Wellness		2
MU 1521	Aural Skills I	MUSI 1116, MUSI 1216	1
MU 1523	Music Theory I	MUSI 1211, MUSI 1311	3
Large Ensemble			1
Applied Music: Primary Instrument			2
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
Elective			1
	Semester Credit Hours		14
Spring		**TCCN**	
MU 1531	Aural Skills II	MUSI 1117, MUSI 1217	1
MU 1533	Music Theory II	MUSI 1212, MUSI 1312	3
MU 3401	Voice Class		1
Large Ensemble			1
Applied Music: Primary Instrument			2
ENG 1023	Composition II	ENGL 1302	3
Mathematics Core			3
Elective			1
	Semester Credit Hours		15

Second Year

Fall		TCCN	
MU 2521	Aural Skills III	MUSI 2116, MUSI 2216	1
MU 2523	Music Theory III	MUSI 2211, MUSI 2311	3
MU 4911	Independent Study		1
Large Ensemble			1
Applied Music: Primary Instrument			2
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Life & Physical Sciences Core			3
Elective			1
	Semester Credit Hours		15

Spring		TCCN	
MU 2531	Aural Skills IV	MUSI 2117, MUSI 2217	1
MU 2533	Music Theory IV	MUSI 2312	3
MU 4911	Independent Study		1
Large Ensemble			1
Applied Music: Primary Instrument			2
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Life & Physical Sciences Core			3
	Semester Credit Hours		14

Third Year

Fall		TCCN	
MU 3542	Conducting I		2
MU 3313	Music History I		3
MU 3542	Conducting I		2
MU 4512	Instrumental Arranging		2
MU 4911	Independent Study		1
Large Ensemble (upper level)			1
Applied Music: Primary Instrument (upper level)			2
Language, Philosophy, & Culture Core			3
	Semester Credit Hours		16

Spring		TCCN	
MU 3323	Music History II		3
MU 4512	Instrumental Arranging		2
MU 4911	Independent Study		1
MU 4913 (Piano Literature)	Independent Study		3
Large Ensemble			1
Applied Music: Primary Instrument (upper level)			2
Social & Behavioral Sciences Core			3
	Semester Credit Hours		15

Fourth Year

Fall		TCCN	
MU 3703	Women in Music		3
MU 3713 (GP)	Music and World Cultures		3
MU 4723	Seventeenth- and Eighteenth-Century Counterpoint		3
Large Ensemble			1
Applied Music: Primary Instrument (upper level)			3
GOV 2013	U.S. National Government	GOVT 2305	3
	Semester Credit Hours		16

Spring		TCCN	
MU 4913 (Piano Pedagogy)	Independent Study		3
Large Ensemble			1
Applied Music: Primary Instrument (upper level)			3
GOV 2023	Texas Government	GOVT 2306	3
Elective			3
Elective			2
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in Music (Instrumental Performance)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

Bachelor of Arts in Music – Performance (120 semester credit hours)

Music Courses (in addition to music core)

Code	Title	Semester Credit Hours
MU 4723	Seventeenth- and Eighteenth-Century Counterpoint	3
Additional courses: Six semester credit hours of a foreign language.		6

Performance – Instrumental Track

MU 1021	Keyboard Musicianship I	1
MU 1031	Keyboard Musicianship II	1
MU 2061	Keyboard Musicianship III	1
MU 3401	Voice Class	1
MU 4512	Instrumental Arranging	2
MU 4903	Special Topics	3
Applied Music (18 semester credit hours, 10 must be upper level)		18
Music Ensembles (12 semester credit hours)		12

Bachelor of Arts in Music (Instrumental Performance) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
MU 1021	Keyboard Musicianship I	MUSI 1181	1
MU 1112	Music and Wellness		2
MU 1521	Aural Skills I	MUSI 1116, MUSI 1216	1
MU 1523	Music Theory I	MUSI 1211, MUSI 1311	3
Large Ensemble			1
Applied Music: Primary Instrument			2
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
	Semester Credit Hours		14
Spring		**TCCN**	
MU 1031	Keyboard Musicianship II	MUSI 1182	1
MU 1531	Aural Skills II	MUSI 1117, MUSI 1217	1
MU 1533	Music Theory II	MUSI 1212, MUSI 1312	3
MU 3401	Voice Class		1
MU 3581 or 3571	Chamber Music		1
Large Ensemble			1
Applied Music: Primary Instrument			2
ENG 1023	Composition II	ENGL 1302	3
Mathematics Core			3
	Semester Credit Hours		16

Second Year

Fall		TCCN	
MU 2061	Keyboard Musicianship III	MUSI 2181	1
MU 2521	Aural Skills III	MUSI 2116, MUSI 2216	1
MU 2523	Music Theory III	MUSI 2211, MUSI 2311	3
MU 3581 or 3571	Chamber Music		1
Large Ensemble			1
Applied Music: Primary Instrument			2
GOV 2013	U.S. National Government	GOVT 2305	3
Life & Physical Science Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
MU 2531	Aural Skills IV	MUSI 2117, MUSI 2217	1
MU 2533	Music Theory IV	MUSI 2312	3
MU 3581 or 3571	Chamber Music		1
Large Ensemble			1
Applied Music: Primary Instrument			2
GOV 2023	Texas Government	GOVT 2306	3
Life & Physical Science Core			3
Elective			1
	Semester Credit Hours		15

Third Year

Fall		TCCN	
MU 3313	Music History I		3
MU 3542	Conducting I		2
MU 4512	Instrumental Arranging		2
Large Ensemble			1
Applied Music: Primary Instrument (upper level)			2
Foreign Language			3
Language, Philosophy, & Culture Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
MU 3323	Music History II		3

MU 3581 or 3571	Chamber Music		1
Large Ensemble			1
Applied Music: Primary Instrument (upper level)			2
Foreign Language			3
Social & Behavioral Sciences Core			3
Elective			2
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
MU 3703	Women in Music		3
MU 3713 (GP)	Music and World Cultures		3
MU 4723	Seventeenth- and Eighteenth-Century Counterpoint		3
Large Ensemble			1
Applied Music: Primary Instrument (upper level)			3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
	Semester Credit Hours		16
Spring		**TCCN**	
MU 4903	Special Topics		3
Large Ensemble			1
Applied Music: Primary Instrument (upper level)			3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Elective			3
	Semester Credit Hours		13
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in Music (EC-12 Strings Certification)

Total Semester Credit Hours Required

129 semester credit hours.

Major

66 semester credit hours.

Minor

23 semester credit hours.

Bachelor of Arts in Music – Teacher Certification

All-level Teaching Certificate in Music

General Description

The University general requirements for the baccalaureate degree are listed earlier in this catalog. See the College of Professional Education section of this catalog for options.

Music Courses (in addition to music core)

Code	Title	Semester Credit Hours
MU 2202	Introduction to Music Education	2
MU 3832	Elementary Music Content	2
MU 3432	Secondary Methods and Literature I	2
MU 3601	Advanced Conducting	1
MU 3602	Secondary Methods and Literature II	2
MU 4512	Instrumental Arranging	2

Education Minor

Code	Title	Semester Credit Hours
READ 3013	Literacy and Learning across the Curriculum	3
EDUC 2003	Schools and Society	3
EDUC 3003	Learning Theory and Development	3
EDUC 3482	Teaching Diverse Learners Through Technology Integration	2
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
EDUC 4826	Student Teaching: All-Level Music	6
EDSP 4203	Learners with Exceptionalities	3

Music Education - Strings Track

MU 3401	Voice Class	1
MU 3001	Brass Techniques	1
MU 3011	Percussion Techniques I	1
MU 3031	String Techniques	1
MU 3041	Woodwind Techniques	1

Bachelor of Arts in Music (EC-12 Strings Certification) Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
MU 1021	Keyboard Musicianship I	MUSI 1181	1

MU 1112	Music and Wellness		2
MU 1521	Aural Skills I	MUSI 1116, MUSI 1216	1
MU 1523	Music Theory I	MUSI 1211, MUSI 1311	3
MU 2202	Introduction to Music Education		2
Large Ensemble			1
Applied Music: Primary Instrument			2
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
	Semester Credit Hours		16
Spring		**TCCN**	
MU 1031	Keyboard Musicianship II	MUSI 1182	1
MU 1531	Aural Skills II	MUSI 1117, MUSI 1217	1
MU 1533	Music Theory II	MUSI 1212, MUSI 1312	3
MU 3001	Brass Techniques		1
MU 3401	Voice Class		1
Large Ensemble			1
Applied Music: Primary Instrument			2
ENG 1023	Composition II	ENGL 1302	3
Social/Behavioral Science Core			3
	Semester Credit Hours		16
Second Year			
Fall		**TCCN**	
MU 2061	Keyboard Musicianship III	MUSI 2181	1
MU 2521	Aural Skills III	MUSI 2116, MUSI 2216	1
MU 2523	Music Theory III	MUSI 2211, MUSI 2311	3
Large Ensemble			1
Applied Music: Primary Instrument			2
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Life and Physical Sciences			3
Mathematics Core			3
	Semester Credit Hours		17
Spring		**TCCN**	
MU 2531	Aural Skills IV	MUSI 2117, MUSI 2217	1
MU 2533	Music Theory IV	MUSI 2312	3
MU 3011	Percussion Techniques I		1
Large Ensemble			1
Applied Music: Primary Instrument			2
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Language, Philosophy, & Culture Core			3
	Semester Credit Hours		14
Third Year			
Fall		**TCCN**	
MU 3031	String Techniques		1
MU 3313	Music History I		3
MU 3432	Secondary Methods and Literature I		2
MU 3542	Conducting I		2
MU 4512	Instrumental Arranging		2
Large Ensemble			1
Applied Music: Primary Instrument			2
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
	Semester Credit Hours		16
Spring		**TCCN**	
MU 3041	Woodwind Techniques		1
MU 3323	Music History II		3
MU 3601	Advanced Conducting		1
MU 3602	Secondary Methods and Literature II		2
Large Ensemble			1
Applied Music: Primary Instrument			2
EDUC 3003	Learning Theory and Development		3
Life/Physical Science Core			3
	Semester Credit Hours		16
Fourth Year			
Fall		**TCCN**	
MU 3703	Women in Music		3
MU 3713 (GP)	Music and World Cultures		3
GOV 2013	U.S. National Government	GOVT 2305	3
EDUC 3003	Learning Theory and Development		3

EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
	Semester Credit Hours		14
Spring		**TCCN**	
MU 3832	Elementary Music Content		2
GOV 2023	Texas Government	GOVT 2306	3
READ 3013	Literacy and Learning across the Curriculum		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
	Semester Credit Hours		14
Fifth Year			
Fall		**TCCN**	
EDUC 4823	Student Teaching: All-Level Music		3
EDUC 4823	Student Teaching: All-Level Music		3
	Semester Credit Hours		6
	Total Semester Credit Hours:		129

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Music Therapy

Total Semester Credit Hours Required

131 semester credit hours.

Major

91-103 semester credit hours.

The music therapy program, approved by the American Music Therapy Association, is competency-based providing students with opportunities to build competencies in a number of areas required for the general practice of music therapy. Students must demonstrate mastery of all required competencies, as well as required coursework, prior to graduation. Competency requirements are outlined in the Music Major Handbook available from the departmental office.

The University general requirements for the baccalaureate degree are listed earlier in this catalog. Music therapy students take the following as part of the core curriculum:

BIOL 1013	Human Biology	3
MATH 1703	Elementary Statistics I	3
PSY 1013	Introduction to General Psychology	3
MU 3713	Music and World Cultures	3
Select one approved DNCE course from the following:		1
DNCE 1021	Ballroom/Popular Club Dance	
DNCE 1051	Introduction to Modern Dance	
DNCE 1061	Introduction to Jazz Dance	
DNCE 1071	Introduction to Tap Dance	
DNCE 1081	Dance Aerobic Fitness	
Six additional semester credit hours in psychology		6
Three semester credit hours in special education		3

Music Courses (in addition to the music core)

MU 2512	Introduction to Music Therapy	2
MU 2522	Music Skills for Therapy, Recreation, and Special Education	2
MU 3051	Functional Piano I	1
MU 3021	Percussion Techniques for Music Therapy	1
MU 3301	Guitar Class	1
MU 3671	Functional Singing	1
MU 3702	Practicum in Music Therapy - Level I	2
MU 3712	Practicum in Music Therapy - Level II	2
MU 4061	Functional Piano II	1
MU 4512	Instrumental Arranging	2
MU 4513	Music in Therapy I	3
MU 4523	Music in Therapy II	3
MU 4533	Music Therapy III Techniques, and Reimbursement for Music Therapy	3
MU 4633	Psychology of Music I	3
MU 4643	Psychology of Music II	3
MU 4651	Music Therapy Clinical Internship I	1
MU 4661	Music Therapy Clinical Internship II	1
MU 4702	Advanced Practicum in Music Therapy- Level III	2
MU 4712	Advanced Practicum in Music Therapy- Level IV	2
Applied Music (principal instrument performance skills) (12 semester credit hours - 4 at the 4000 level)		12
Ensembles (variety of large and small, six semesters minimum)		6

Additional Courses in Psychology/Special Education

PSY 1603	Developmental Psychology	3
PSY 2513	Abnormal Psychology	3
EDSP 4203	Learners with Exceptionalities	3

Before students may register for internship they must have met the following requisites:

1. Satisfied music departmental recital attendance requirements.

2. Completed all academic courses, including practica (Refer to Music Major handbook for criteria for admission to different levels of practicum).
3. Achieved a cumulative grade-point average of 2.75 or better.
4. Achieved a grade-point average of 3.0 in music therapy courses, including practica and MU 2522, with no grade below B.
5. Received no letter grade below C in other music courses.
6. Shown evidence of emotional stability and good physical health.
7. Met university requirements for liability insurance and immunizations.
8. Demonstrated the appropriate Music Therapy Professional Characteristics and Dispositions as outlined on the "Information Packet for Clinical Training, Students and Clinical Training Supervisors."
9. Met all specific internship admission requirements, including but not limited to, requirements for liability insurance, drug testing, immunizations, criminal background, personal medical insurance, and/or transportation. Expenses for any required special training, drug testing, background checks, or other special requirements specific to an internship site are the responsibility of the student. Acceptance to an internship does not guarantee that the legal agreements between the university and the facility can be negotiated. The student may not begin the internship until all legal agreements have been finalized. See academic advisor for details related to a specific internship site.

See department website for degree plan.

Graduate students wishing to work toward certification must complete the music therapy equivalency program, which may be done at the same time the student completes some graduate courses toward the Master's Degree. Post-baccalaureate students pursuing the equivalency program, but not the Master's Degree, must complete the requirements for a second bachelor's degree.

Testing for drugs, specific immunizations in addition to those required by TWU, proof of personal medical insurance, and/or passing a criminal background check may be required by certain facilities associated with the required clinical work. If students are unable to be cleared on any of these requirements, they may not be eligible to continue in the program.

Certification as a Music Therapist (MT-BC) is achieved by passing a national examination administered by the Certification Board for Music Therapists. This exam may be undertaken only after all requirements, including internship, have been completed. However, completion of the program does not guarantee eligibility to take the board certification exam. Questions regarding specific criminal background and its possible effects on eligibility for board certification should be addressed directly to the Certification Board for Music Therapists.

Bachelor of Science in Music Therapy Program of Study

First Year

Fall		TCCN	Semester Credit Hours
MU 1021	Keyboard Musicianship I	MUSI 1181	1
MU 1112 (CAO Core)	Music and Wellness		2
MU 1521	Aural Skills I	MUSI 1116, MUSI 1216	1
MU 1523	Music Theory I	MUSI 1211, MUSI 1311	3
MU 2512	Introduction to Music Therapy		2
Large Ensemble			1
Applied Music: Principal Instrument			2
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
Select one semester credit hour from the following:			1
DNCE 1021	Ballroom/ Popular Club Dance	DANC 1128, DANC 1133, DANC 1134	
DNCE 1051	Introduction to Modern Dance	DANC 1145, DANC 1146	
DNCE 1061	Introduction to Jazz Dance	DANC 1147, DANC 1122	
DNCE 1071	Introduction to Tap Dance	DANC 1110, DANC 1111	
	Semester Credit Hours		17

Spring		TCCN	
MU 1031	Keyboard Musicianship II	MUSI 1182	1
MU 1531	Aural Skills II	MUSI 1117, MUSI 1217	1
MU 1533	Music Theory II	MUSI 1212, MUSI 1312	3
MU 2522	Music Skills for Therapy, Recreation, and Special Education		2
MU 3301	Guitar Class		1
MU 3671	Functional Singing		1
Large Ensemble			1
Applied Music: Principal Instrument			2
ENG 1023	Composition II	ENGL 1302	3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
MU 2061	Keyboard Musicianship III	MUSI 2181	1
MU 2521	Aural Skills III	MUSI 2116, MUSI 2216	1
MU 2523	Music Theory III	MUSI 2211, MUSI 2311	3

Large Ensemble			1
Applied Music: Principal Instrument			2
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1703 (Mathematics Core)	Elementary Statistics I	MATH 1342, MATH 1442	3
PSY 1013	Introduction to General Psychology	PSYC 2301	3
	Semester Credit Hours		17

Spring		**TCCN**	
MU 2531	Aural Skills IV	MUSI 2117, MUSI 2217	1
MU 2533	Music Theory IV	MUSI 2312	3
Large Ensemble			1
Applied Music: Principal Instrument			2
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
PSY 1603	Developmental Psychology	PSYC 2314	3
Language, Philosophy, & Culture Core			3
	Semester Credit Hours		16

Third Year

Fall		**TCCN**	
MU 3051	Functional Piano I		1
MU 3313	Music History I		3
MU 3542	Conducting I		2
MU 3702	Practicum in Music Therapy - Level I		2
MU 4512	Instrumental Arranging		2
MU 4513	Music in Therapy I		3
Large Ensemble			1
Applied Music: Principal Instrument			2
	Semester Credit Hours		16

Spring		**TCCN**	
MU 3021	Percussion Techniques for Music Therapy		1
MU 3323	Music History II		3
MU 3712	Practicum in Music Therapy - Level II		2
MU 4523	Music in Therapy II		3
Large Ensemble			1
Applied Music: Principal Instrument			2
Life/Physical Science Core (Recommended BIOL 1013)			3
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
MU 4061	Functional Piano II		1
MU 4533	Music Therapy III Techniques, and Reimbursement for Music Therapy		3
MU 3713 (GP)	Music and World Cultures		3
MU 4633	Psychology of Music I		3
MU 4702	Advanced Practicum in Music Therapy-Level III		2
GOV 2013	U.S. National Government	GOVT 2305	3
Core Multicultural Women's Studies			3
	Semester Credit Hours		18

Spring		**TCCN**	
MU 4643	Psychology of Music II		3
MU 4712	Advanced Practicum in Music Therapy-Level IV		2
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
GOV 2023	Texas Government	GOVT 2306	3
PSY 2513	Abnormal Psychology		3
Life/Physical Science Core Elective			3
	Semester Credit Hours		17
	Total Semester Credit Hours:		131

NOTE: Four years of coursework is followed by a 6-month Music Therapy Internship. Students enroll for MU 4651 (first semester) and MU 4661 (second semester) for internship.

(GP) courses satisfy global perspectives graduation requirement.

Drama Program

Web Site: http://www.twu.edu/drama

Program Director: *Patrick Bynane, Associate Professor*
Location: *REDBUD 228*
Phone: *940-898-2510*
Fax: *940-898-2655*
Email: *drama@twu.edu*

Undergraduate Degrees Offered

- B.A. in Drama (Acting & Directing) (p. 261)
- B.A. in Drama (Technical & Design) (p. 263)
- B.A. in Drama (EC-12 Drama Certification) (p. 264)

The School of the Arts offers programs leading to the Bachelor of Arts degree in drama. Course work available in the areas of acting/directing, technical/design, theatre education and musical theatre permits a student to develop a program of study which focuses attention on the desired area as well as on the relationship of all theatrical elements to the whole production process.

The drama program develops well-rounded theatre artists who have the ability to function creatively and skillfully in a variety of situations. Committed to top quality performance as well as to excellence in the classroom, the program provides practical as well as academic training for students pursuing careers in professional, educational theatre and beyond.

Essential to a complete course of study in the theatre is the student's production opportunities within the TWU Drama season. Through these opportunities the practical processes of theatre production as well as academic study are stressed in order to give students comprehensive and diverse experiences that will serve them well in pursuit of employment within the realm of theatre as well as in life.

The B.A. in Drama has two different areas of emphasis. The Acting and Directing Emphasis allows the student to apply their upper-level course work to the skills most used by actors, directors and playwrights. The Technical and Design Emphasis allows the student to apply their upper-level course work to the skills most used by stage technicians, stage managers and theatrical designers. A common core of Drama classes serves as an educational foundation to both areas of emphasis. Course requirements for a drama major and a drama minor follow under the degree plans of study. Students seeking Teacher Certification should follow the requirements listed under Bachelor of Arts with Teaching Certification in Drama. The Teacher Certification plan of study has a slightly different core of Drama courses in order to allow room for more specialized courses in Education and Teaching.

Admissions

Please see Admission (p. 18) section of this catalog. The same standards for admission to the University apply to the Drama Program. Consult the departmental website (http://www.twu.edu/drama) for complete information with regards to unconditional admission, application procedures, and other drama major requirements.

Minors

Students selecting drama as an academic minor should select 15 hours from the following:

DRAM 2113	Stagecraft I	3
DRAM 2213	Performance I	3
DRAM 2223	Performance II	3
DRAM 2473	Movement for the Performer I	3
DRAM 3423	Drafting for the Stage	3
DRAM 3433	Stagecraft II: Scene Painting	3
Total Semester Credit Hours		18

Certificates

Undergraduate Certificate in Musical Theatre

The Music Theatre Certificate program is offered to Drama or Music majors only. It is a certificate program designed to offer additional training in the realm of music theatre. It is not meant to serve as conservatory-style training in musical theatre performance but rather allows the Music or Drama student to further specialize in a field of theatre that continues to grow in popularity.

This certificate program may appeal to students interested in directing for the musical theatre, acting in the musical theatre, music directing in the musical theatre or even designing for the musical theatre. The Music Theatre Certificate Program accepts Music and Drama students on an audition-only basis. Auditions will be announced by the Music Theatre Certificate Program administrator. Once accepted into the certificate program, students are expected to participate in the biennial music theatre production as well as the Music Theatre Cabaret.

The following are the courses that all Music Theatre Certificate students will take:

MU 3132	Voice for Musical Theatre	2
DRAM 3523	Play Directing	3
DRAM 3913	Dance/Music/Theatre Improvisation	3
DRAM 4903	Special Topics (History of Musical Theatre)	3
DRAM 4903	Special Topics (Music Theatre/Cabaret Performance)	3

Faculty

For a listing of faculty, visit the Department of Music & Drama - Music Program Faculty Tab.

Courses

DRAM 1312. Rehearsal and Production I. (TCCN DRAM 1220) Exploration of theatre process; practical, hands-on experience in performance, crew work, and all aspects of technical production associated with the TWU Theatre season. May be repeated one time for additional credit. Eight laboratory hours a week (averaged over the semester). Credit: Two hours.

DRAM 1321. Script Reading. Survey of selected examples of dramatic literature. Students required to read one assigned play per week and attend one weekly discussion class. May be repeated once for additional credit. One lecture hour a week. Credit: One hour.

DRAM 2113. Stagecraft I. (TCCN DRAM 1330) Introduction to styles of theatrical design and its needs. Scenery construction techniques and materials, tools, organization, and theatre safety. Two lecture and two laboratory hours a week. Credit: Three hours.

DRAM 2213. Performance I. (TCCN DRAM 1351) Theory and practice of performance; use of improvization and text to build performance confidence, self-expression, and imagination in multiple performance situations. Three lecture hours a week. Credit: Three hours.

DRAM 2223. Performance II. (TCCN DRAM 1352) Exploration of self-expression through role-playing: attention to meeting individual performance objectives. Three lecture hours a week. Credit: Three hours.

DRAM 2312. Rehearsal and Performance II. (TCCN DRAM 2312) Exploration of theatre process: practical, hands-on experience in performance, crew work, and all aspects of technical production associated with the TWU Theatre season. Continuation of the practicum work begun in DRAM 1312. May be repeated one time for additional credit. Prerequisites: Completion of 4 credits of DRAM 1312 with a grade of C or higher. Five practicum hours a week. Credit: Two hours.

DRAM 2433. Theatrical Makeup. (TCCN DRAM 1341) Design and application of makeup for the stage; areas explored include theory, color, character analysis, materials, old age, three-dimensional, and fantasy makeup. Three lecture/demonstration hours a week plus crew assignment. Credit: Three hours.

DRAM 2473. Movement for the Performer I. (TCCN DRAM 1322) Exploration of movement as a vehicle for self-knowledge, understanding of other, and communication: development of movement mastery to facilitate an articulate and expressive body instrument. Three lecture hours a week. Credit: Three hours.

DRAM 2493. Understanding the Arts-Drama. (TCCN DRAM 1310) An overview of the process and performance of the theatrical experience. Designed as a beginning orientation for drama majors and as an introduction for the non-major. Three lecture hours a week. Credit: Three hours.

DRAM 2503. Modern Drama. Aesthetic, cultural, ethical, and social dimensions of modern drama, from the development of naturalism to present, through analysis of dramatic literature. Three lecture hours a week. Credit: Three hours.

DRAM 2513. Creating Shakespeare. Examination of the plays and the major historic, social, and theatrical influences that created William Shakespeare. Three lecture hours a week. Credit: Three hours.

DRAM 3003. Arts for Children. Acquaints education majors with goals, methodology, and best practices in teaching the arts in elementary and middle school. Discusses value of the arts for children and procedures for using art, dance, drama, and music as tools to promote learning. Fulfills requirement for teacher certification. Three lecture hours a week. Credit: Three hours.

DRAM 3103. Gender, Theatre, and Performance. Women's historical roles as playwrights, performers, producers, administrators; multicultural representation of women in drama; theatre as site of resistance and activism for women; effects of performance on women's roles in theatre and culture; theatre as investigation of gender roles. Three lecture hours a week. Credit: Three hours.

DRAM 3312. Rehearsal and Performance III. (TCCN DRAM 2220) Exploration of theatre process: practical, hands-on experience in performance, crew work, and all aspects of technical production associated with the TWU Theatre season. Continuation of the practicum work in DRAM 2312. May be repeated one time for additional credit. Prerequisites: Completion of 4 credits of 2312. Five practicum hours a week. Credit: Two hours.

DRAM 3423. Drafting for the Stage. Introduction to technical drafting for the theatre focusing on the standard equipment, symbols, and mechanical drawing techniques used to communicate scenery, property, and lighting designs in theatrical productions. Prerequisite: DRAM 2423. Two lecture and two laboratory hours a week. Credit: Three hours.

DRAM 3433. Stagecraft II: Scene Painting. (TCCN DRAM 2331) Scenic painting and how it relates to theatrical productions. Emphasis on basic techniques of scenic artists and the ability to justify and analyze work. The professional career of a scenic artist. Two lecture and two laboratory hours a week. Credit: Three hours.

DRAM 3461. Stage Management. Explores the backstage organization involved in a theatrical production as related to educational and professional theatres. One lecture hour a week. Credit: One hour.

DRAM 3473. The Theatre and Its Drama: Before 1715. (TCCN DRAM 2361) A history of the theatre from ancient Greece through the English restoration with a careful study of the plays written during each period. Prerequisite: Junior standing or permission of instructor. Three lecture hours a week. Credit: Three hours.

DRAM 3483. The Theatre and Its Drama: Since 1715. (TCCN DRAM 2362) A history of the theatre from the Eighteenth Century to the present with a careful study of the plays written during each period. Prerequisite: Junior standing or permission of instructor. Three lecture hours a week. Credit: Three hours.

DRAM 3493. Theatre Speech. (TCCN DRAM 2336, SPCH 1342) Instruction and laboratory study of the mechanics of speech for the actor; basic techniques of breath control, support, speech sounds, articulation, and speech melody for the stage. Three lecture hours a week. Credit: Three hours.

DRAM 3523. Play Directing. Theory and practice of directing; course covers the fundamentals of composition, movement, stage business, and rehearsal planning. Prerequisites: DRAM 2451, DRAM 2461, DRAM 3422, and DRAM 3432. Two lecture and four laboratory hours a week. Credit: Three hours.

DRAM 3603. Advanced Acting and Scene Work. (TCCN 2352) Lecture and practical experience in the theories and styles of performance, from presentational to representational. Three lecture hours a week. Credit: Three hours.

DRAM 3913. Dance/Music/Theatre Improvisation. Exploration of the integration of movement, sound, and text through the use of improvisation and the development of collaborative performance works. May be repeated for additional credit. Two lecture and two laboratory hours a week. Credit: Three hours.

DRAM 3923. Music Theatre: Form-in-the-Making. Artistic process of creating music theatre from the perspective of the choreographer, composer, and playwright. Prerequisite: DNCE 3913, DRAM 3913, or MU 3913; or permission of instructor. May be repeated for additional credit. Two lecture and two laboratory hours a week. Credit: Three hours.

DRAM 4101. Musical Theatre Capstone. Development of portfolio material and audition skills to be presented in a juried exam; final course for a Certificate in Musical Theatre. Prerequisites: Students will be required to have completed at leatst 51% of all certificate class work prior to enrollment and must have instructor approval. Two laboratory hours a week. Credit: One hour.

DRAM 4201. Performance in a Cabaret or Musical. Performance of a singing role in a fully realized cabaret or musical performance as part of the TWU theatre season. Twenty practicum hours a week. Credit: One hour.

DRAM 4403. Scenic Design. Design for theatrical productions and visual communication in the theatre; principles of scenic design: analysis of a script for purposes of design, the creation of ground plans, scale drawings and elevations. Prerequisites: DRAM 2113 and DRAM 3423, or permission of instructor. Three lecture hours a week. Credit: Three hours.

DRAM 4412. Rehearsal and Production II. (TCCN DRAM 2220) Advanced laboratory course designed to explore the process of theatre; practical, hands-on experience in performance, crew work, and all aspects of technical production associated with the TWU Theatre season. May be repeated one time for additional credit. Eight laboratory hours a week (averaged over the semester). Credit: Two hours.

DRAM 4413. Costume Design. Costume design for the stage; includes theory, color, character analysis and rendering. Application and execution of the design and proper care and management of a production's wardrobe. Prerequisites: DRAM 2113 and DRAM 3432, or consent of instructor. Three lecture hours a week. Credit: Three hours.

DRAM 4423. Stage Lighting. Mechanics and art of lighting for the stage; studies include nature of light and optics, color, instrumentation, dimmers, and elementary lighting design; practical application with TWU Theatre productions. Three lecture hours a week plus a crew assignment. Credit: Three hours.

DRAM 4472. Sound Design and Technology. Mechanics and art of sound production for the stage. Studies include the nature of sound and acoustics; equipment for recording, reproduction, and reinforcement of sound in the theatre; elementary design. Two lecture hours a week. Credit: Two hours.

DRAM 4513. Characterization. An exploration of physical, vocal, sensory, and analytical techniques for creating characterizations for all dramatic genres. Emphasis is on research, acquisition of new skills, and analytical systems for character development. Two lecture and two laboratory hours a week. Credit: Three hours.

DRAM 4523. Audition for Stage and Camera. Exploration of acting techniques for stage and camera auditions. Emphasis is on prepared auditions, cold readings, and preparation of visual and written materials. Two lecture and two laboratory hours a week. Credit: Three hours.

DRAM 4603. Summer Stock. Internship experience with placement in professional theaters, alternative teaching programs or summer festivals. Specific placement and scope of work based upon the unique opportunity found by the student in collaboration with the professor. One lecture and six practicum hours a week. Credit: Three hours.

DRAM 4901. Special Topics. An organized class for the study of particular areas or subjects not offered in another scheduled course. One lecture hour a week. Credit: One hour.

DRAM 4903. Special Topics. An organized class for the study of particular areas or subjects not offered in another scheduled course. Three lecture hours a week. Credit: Three hours.

DRAM 4911. Independent Study. Individual supervisory and tutorial instruction; content may include directed readings, a research or design project, or other similar studies. Credit: One hour.

DRAM 4913. Independent Study. Individual supervisory and tutorial instruction; content may include directed readings, a research or design project, or other similar studies. Credit: Three hours.

Bachelor of Arts in Drama (Emphasis in Acting and Directing)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

Drama Major Rehearsal and Production Requirement

Drama majors must enroll in DRAM 1312 or DRAM 2312 or DRAM 3312 or DRAM 4412 each semester of full-time enrollment. Each of these courses corresponds with the student's class status. For example, a First Year student should enroll in DRAM 1312, a Sophomore student should enroll in DRAM 2312 and so on. Transfer students should enroll in DRAM 3312 or DRAM 4412 after consulting with a program advisor.

The following is the list of required course for a student pursuing a B.A. in Drama with an emphasis in Acting and Directing:

Drama Core Courses		
DRAM 1312	Rehearsal and Production I (taken two times)	2
DRAM 1321	Script Reading (taken two times)	1
DRAM 2312	Rehearsal and Performance II (taken two times)	2
DRAM 2433	Theatrical Makeup	3
DRAM 2213	Performance I	3
DRAM 2113	Stagecraft I	3
DRAM 3312	Rehearsal and Performance III (taken two times)	2
DRAM 3473	The Theatre and Its Drama: Before 1715	3
DRAM 3483	The Theatre and Its Drama: Since 1715	3
DRAM 3523	Play Directing	3
DRAM 4412	Rehearsal and Production II (taken two times)	2
DRAM 4603	Summer Stock (taken two times)	3
Emphasis Area		
DRAM 2223	Performance II	3
DRAM 2473	Movement for the Performer I	3
DRAM 3603	Advanced Acting and Scene Work	3
DRAM 3493	Theatre Speech	3
DRAM 4403	Scenic Design	3
or DRAM 4413	Costume Design	
or DRAM 4423	Stage Lighting	

DRAM 4903	Special Topics (Playwrighting)	3
Electives		12
Take twelve SCH of drama or related studies		
Foreign Languages		6
Total Semester Credit Hours		66

Bachelor of Arts in Drama (Acting and Directing Emphasis) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
DRAM 1312	Rehearsal and Production I	DRAM 1220	2
DRAM 1321	Script Reading		1
DRAM 2213	Performance I	DRAM 1351	3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Creative Arts Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
DRAM 1312	Rehearsal and Production I	DRAM 1220	2
DRAM 1321	Script Reading		1
DRAM 2223	Performance II	DRAM 1352	3
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Wellness/Mathematics CAO Core			2
	Semester Credit Hours		14

Second Year

Fall		**TCCN**	
DRAM 2312	Rehearsal and Performance II	DRAM 2312	2
DRAM 2113	Stagecraft I	DRAM 1330	3
DRAM 2433	Theatrical Makeup	DRAM 1341	3
DRAM 2473	Movement for the Performer I	DRAM 1322	3
GOV 2013	U.S. National Government	GOVT 2305	3
	Semester Credit Hours		14
Spring		**TCCN**	
DRAM 2312	Rehearsal and Performance II	DRAM 2312	2
GOV 2023	Texas Government	GOVT 2306	3
Social/Behavioral Science Core (GP)			3
Mathematics Core			3
Language, Philosophy and Culture			3
	Semester Credit Hours		14
Summer		**TCCN**	
DRAM 4603	Summer Stock		3
	Semester Credit Hours		3

Third Year

Fall		**TCCN**	
DRAM 3312	Rehearsal and Performance III	DRAM 2220	2
DRAM 3473	The Theatre and Its Drama: Before 1715	DRAM 2361	3
DRAM 3603	Advanced Acting and Scene Work	2352	3
Multicultural Women's Studies			3
Life/Phyiscal Science			3
	Semester Credit Hours		14
Spring		**TCCN**	
DRAM 3312	Rehearsal and Performance III	DRAM 2220	2
DRAM 3483	The Theatre and Its Drama: Since 1715	DRAM 2362	3
DRAM 3493	Theatre Speech	DRAM 2336, SPCH 1342	3
DRAM 4403, 4413, or 4423	Scenic Design		3
Life/Phyiscal Science			3
	Semester Credit Hours		14
Summer		**TCCN**	
DRAM 4603	Summer Stock		3
	Semester Credit Hours		3

Fourth Year

Fall		**TCCN**	
DRAM 4412	Rehearsal and Production II	DRAM 2220	2
DRAM 4903 (Playwriting)	Special Topics		3
DRAM Elective			3
DRAM Elective (upper level)			3

Related Studies: Foreign Language			3
	Semester Credit Hours		14
Spring		**TCCN**	
DRAM 4412	Rehearsal and Production II	DRAM 2220	2
DRAM 3523	Play Directing		3
DRAM Elective			3
DRAM Elective			3
Related Studies: Foreign Language			3
	Semester Credit Hours		14
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in Drama (Emphasis in Technical and Design)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

Drama Major Rehearsal and Production Requirement

Drama majors must enroll in DRAM 1312 or DRAM 2312 or DRAM 3312 or DRAM 4412 each semester of full-time enrollment. The course number should correspond to the student's class level. For example a First Time Student should enroll in DRAM 1312, a Sophomore Student should enroll in DRAM 2312 and so on. Transfer students should enroll in DRAM 3312 or DRAM 4412 after consulting with a Drama Program advisor.

The following is a list of courses required of a B.A. in Drama with a Technical and Design emphasis:

Drama Core Courses		
DRAM 1312	Rehearsal and Production I (taken two times)	2
DRAM 1321	Script Reading (taken two times)	1
DRAM 2312	Rehearsal and Performance II (taken two times)	2
DRAM 2433	Theatrical Makeup	3
DRAM 2213	Performance I	3
DRAM 2113	Stagecraft I	3
DRAM 3312	Rehearsal and Performance III (taken two times)	2
DRAM 3473	The Theatre and Its Drama: Before 1715	3
DRAM 3483	The Theatre and Its Drama: Since 1715	3
DRAM 3523	Play Directing	3
DRAM 4412	Rehearsal and Production II (taken two times)	2
DRAM 4603	Summer Stock (taken two times)	3
Emphasis Area		
DRAM 3423	Drafting for the Stage	3
DRAM 3433	Stagecraft II: Scene Painting	3
DRAM 3461	Stage Management	1
DRAM 4403	Scenic Design	3
DRAM 4413	Costume Design	3
DRAM 4423	Stage Lighting	3
DRAM 4472	Sound Design and Technology	2
Electives		12
Take twelve SCH of drama or related studies		
Foreign Languages		6
Total Semester Credit Hours		66

Bachelor of Arts in Drama (Technical and Design Emphasis) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
DRAM 1312	Rehearsal and Production I	DRAM 1220	2
DRAM 1321	Script Reading		1
DRAM 2113	Stagecraft I	DRAM 1330	3
DRAM 2213	Performance I	DRAM 1351	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
	Semester Credit Hours		16
Spring		**TCCN**	
DRAM 1312	Rehearsal and Production I	DRAM 1220	2
DRAM 1321	Script Reading		1
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Language, Philosophy, & Culture Core			3
Wellness/Mathematics CAO Core			2
	Semester Credit Hours		14

Second Year

Fall		**TCCN**	
DRAM 2312	Rehearsal and Performance II	DRAM 2312	2
DRAM 2433	Theatrical Makeup	DRAM 1341	3

GOV 2013	U.S. National Government	GOVT 2305	3
Mathematics Core			3
Life/Phyiscal Science			3
	Semester Credit Hours		14
Spring		**TCCN**	
DRAM 2312	Rehearsal and Performance II	DRAM 2312	2
DRAM 3433	Stagecraft II: Scene Painting	DRAM 2331	3
DRAM 3423	Drafting for the Stage		3
GOV 2023	Texas Government	GOVT 2306	3
Life/Phyiscal Science			3
	Semester Credit Hours		14
Summer		**TCCN**	
DRAM 4603	Summer Stock		3
	Semester Credit Hours		3
Third Year			
Fall		**TCCN**	
DRAM 3312	Rehearsal and Performance III	DRAM 2220	2
DRAM 3473	The Theatre and Its Drama: Before 1715	DRAM 2361	3
DRAM 4413	Costume Design		3
Multicultural Women's Study			3
Creative Arts Core			3
	Semester Credit Hours		14
Spring		**TCCN**	
DRAM 3312	Rehearsal and Performance III	DRAM 2220	2
DRAM 3483	The Theatre and Its Drama: Since 1715	DRAM 2362	3
DRAM 3461	Stage Management		1
DRAM 4472	Sound Design and Technology		2
DRAM Elective			3
Social and Behavioral Science (GP)			3
	Semester Credit Hours		14
Summer		**TCCN**	
DRAM 4603	Summer Stock		3
	Semester Credit Hours		3
Fourth Year			
Fall		**TCCN**	
DRAM 4412	Rehearsal and Production II	DRAM 2220	2
DRAM 4403	Scenic Design		3
DRAM Elective			3
DRAM Elective			3
Related Studies: Foreign Language			3
	Semester Credit Hours		14
Spring		**TCCN**	
DRAM 4412	Rehearsal and Production II	DRAM 2220	2
DRAM 3523	Play Directing		3
DRAM 4423	Stage Lighting		3
DRAM Elective			3
Related Studies: Foreign Language			3
	Semester Credit Hours		14
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Arts in Drama (EC-12 Drama Certification)

Total Semester Credit Hours Required

120 semester credit hours.

A student may earn a B.A. in Drama with a Teaching Certification. Any student interested in pursuing Teaching Certification is encouraged to consult the certification program as described in this catalogue under the College of Professional Education. For students pursuing Theatre Arts as a Teaching Field, the following courses are required.

Required Drama Courses

DRAM 1312	Rehearsal and Production I (taken two times)	2
DRAM 1321	Script Reading (taken two times)	1
DRAM 2113	Stagecraft I	3
DRAM 2213	Performance I	3
DRAM 2312	Rehearsal and Performance II (taken two times)	2
DRAM 2433	Theatrical Makeup	3
DRAM 3312	Rehearsal and Performance III (taken two times)	2
DRAM 3423	Drafting for the Stage	3
DRAM 3461	Stage Management	1
DRAM 3473	The Theatre and Its Drama: Before 1715	3
DRAM 3483	The Theatre and Its Drama: Since 1715	3
DRAM 3523	Play Directing	3
DRAM 4403	Scenic Design	3
or DRAM 4413	Costume Design	
or DRAM 4423	Stage Lighting	
DRAM 4603	Summer Stock	3

Required Education Courses		
EDUC 2003	Schools and Society	3
EDUC 3003	Learning Theory and Development	3
EDUC 3482	Teaching Diverse Learners Through Technology Integration	2
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
EDUC 4236	Student Teaching: Theatre Arts	6
READ 3013	Literacy and Learning across the Curriculum	3
Electives		7
Take six SCH of drama or related studies electives		
Foreign Language		6

Proposed changes in areas and levels of Texas teaching certificates by the State Board of Educator Certification (SBEC) will result in major changes in teacher education programs throughout the State. Information in this catalog reflects current programs.

Bachelor of Arts in Drama (EC-12 Drama Certification) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
DRAM 1312	Rehearsal and Production I	DRAM 1220	2
DRAM 1321	Script Reading		1
DRAM 2113	Stagecraft I	DRAM 1330	3
DRAM 2213	Performance I	DRAM 1351	3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		16
Spring		**TCCN**	
DRAM 1312	Rehearsal and Production I	DRAM 1220	2
DRAM 1321	Script Reading		1
ENG 1023	Composition II	ENGL 1302	3
MATH 1013	Financial and Quantitative Literacy	MATH 1332	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Wellness/Mathematics CAO Core			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
DRAM 2312	Rehearsal and Performance II	DRAM 2312	2
DRAM 2433	Theatrical Makeup	DRAM 1341	3
EDUC 2003	Schools and Society	EDUC 1301	3
GOV 2013	U.S. National Government	GOVT 2305	3
Language, Philosophy, & Culture Core			3
Life/Physical Science Core			3
	Semester Credit Hours		17
Spring		**TCCN**	
DRAM 2312	Rehearsal and Performance II	DRAM 2312	2
DRAM 3423	Drafting for the Stage		3
EDUC 3003	Learning Theory and Development		3
GOV 2023	Texas Government	GOVT 2306	3
Social/Behavioral Science Core (GP)			3
Life/Physical Science Core			3
	Semester Credit Hours		17

Third Year

Fall		**TCCN**	
DRAM 3312	Rehearsal and Performance III	DRAM 2220	2
DRAM 3473	The Theatre and Its Drama: Before 1715	DRAM 2361	3
READ 3013	Literacy and Learning across the Curriculum		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
Multicultural Women's Studies CAO Core			3
Related Studies: Foreign Lanugage			3
	Semester Credit Hours		16
Spring		**TCCN**	
DRAM 3312	Rehearsal and Performance III	DRAM 2220	2

DRAM 3483	The Theatre and Its Drama: Since 1715	DRAM 2362	3
DRAM 3461	Stage Management		1
DRAM 3523	Play Directing		3
Drama Elective			3
Related Studies: Foreign Language			3
	Semester Credit Hours		15
Summer		**TCCN**	
DRAM 4603	Summer Stock		3
	Semester Credit Hours		3
Fourth Year			
Fall		**TCCN**	
DRAM 4403, 4413, or 4423	Scenic Design		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
EDUC 4243	Classroom Environment and Management		3
Creative Arts Core			3
	Semester Credit Hours		15
Spring		**TCCN**	
EDUC 4236	Student Teaching: Theatre Arts		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

School of Management

Web Site: http://www.twu.edu/som

Director: *Margaret A. Young*
Location: *CFO 507*
Phone: *940-898-2111*
Fax: *940-898-2120*
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Undergraduate Degrees Offered

- B.A.S. in Business (General Business) (p. 273)
- B.B.A. in Accounting (p. 274)
- B.B.A. in Business Administration (General Business) (p. 276)
- B.B.A. in Business Administration (General Business, Entrepreneurship Emphasis) (p. 277)
- B.B.A. in Finance (p. 278)
- B.B.A. in Human Resource Management (p. 279)
- B.B.A. in Management (p. 281)
- B.B.A. in Marketing (p. 282)

The School of Management offers programs leading to the Bachelor of Business Administration (B.B.A.), and Bachelor of Applied Sciences (B.A.S.) degrees. These programs prepare students for careers in accounting, business administration (general or entrepreneurship), finance, human resource management, management, or marketing. Certificate programs in finance and leadership are also available as are minors in each of the academic areas.

Preparing students for a challenging and changing world is the goal of the School of Management. The academic requirements for each degree provide competency in a concentrated discipline of study that is augmented by a program of studies in general education. In addition, a focus on diversity, teamwork, ethics, and communication are incorporated into most business courses. As a result, the completion of a business degree program builds a firm analytical and conceptual background that will enhance a career in a dynamic business and social environment. Also, students may gain experience in business prior to graduation by enrolling in the Cooperative Education program through the School of Management when they have reached their sophomore year.

The School of Management also offers graduate programs, including the Master of Business Administration (M.B.A.), the Executive Master of Business Administration (E.M.B.A.), and the combined Master of Business Administration/Master of Health Systems Management (M.B.A./M.H.S.M.). For additional information about the graduate programs, please refer to the TWU Graduate Catalog (http://catalog.twu.edu/graduate) or visit the school's home page (http://www.twu.edu/som).

Special Departmental Degree Requirements

Each B.B.A. degree requires a concentration in the major degree area consisting of thirty (30) semester credit hours in upper-level business, economics, or related courses as indicated in this catalog and on degree plans. Any change to the required concentration courses must have approval, in advance, from an advisor in the business program.

Upper-level courses are considered junior- and senior-level courses and are numbered in the 3000 and 4000 number series.

All B.B.A. required major degree courses have common prerequisites consisting of six semester credit hours of economics and nine semester credit hours of math as follows:

ECO 1013	Principles of Microeconomics	3
ECO 1023	Principles of Macroeconomics	3
MATH 1703	Elementary Statistics I	3
MATH 1713	Elementary Statistics II	3
MATH 2203	Business Analysis I	3

In addition, all B.B.A. major degrees have 30 semester credit hours in common degree requirements as follows:

BUS 2043	Fundamentals of Accounting I	3
BUS 2053	Fundamentals of Accounting II	3
BUS 3003	Principles of Management	3
BUS 3013	Business Law and Ethics	3
BUS 3053	Business Finance	3
BUS 3113	Principles of Marketing	3
BUS 3163	Business Communications	3
BUS 3533	Management Information Systems	3
BUS 4333	Business Policy (taken in the final semester)	3
BUS 4543	Quantitative Management Analysis	3

Core Curriculum

Specific core curriculum courses required for Business degrees are subject to change based on the availability of approved core curriculum courses and changes to University core curriculum requirements. Complete University-wide requirements for any bachelor's degree are listed in the Academic Information (p. 45) section of this catalog.

Admissions

Please see the Admission (p. 18) section of this catalog. The same standards for admission to the University apply to admission to the School of Management.

Minors

For students pursuing majors outside of the School of Management, minors consisting of eighteen (18) semester credit hours are offered in each of business disciplines. At least half of the semester credit hours for a minor must be taken at TWU, at least a 2.0 GPA in minor courses is required to graduate with the minor, and a minimum of 6 semester credit hours in the minor must be upper-level. Minors available with the courses required include the following:

Accounting

BUS 2043	Fundamentals of Accounting I	3
BUS 2053	Fundamentals of Accounting II	3
BUS 3023	Intermediate Accounting I	3
BUS 3043	Intermediate Accounting II	3
BUS 3063	Income Tax Accounting I	3
BUS 4163	Income Tax Accounting II	3
Total Semester Credit Hours		18

Business Administration

BUS 2043	Fundamentals of Accounting I	3
BUS 3003	Principles of Management	3
BUS 3053	Business Finance	3
BUS 3113	Principles of Marketing	3
ECO 1013	Principles of Microeconomics	3
Plus one upper-level business or economics course approved by a business advisor.		3
Total Semester Credit Hours		18

Finance

BUS 2043	Fundamentals of Accounting I	3
BUS 3053	Business Finance	3
BUS 3133	Investments	3
Select three semester credit hours from the following:		3
BUS 2053	Fundamentals of Accounting II	
ECO 1013	Principles of Microeconomics	
ECO 1023	Principles of Macroeconomics	
Plus two of the following upper-level business or economics courses		6
BUS 3063	Income Tax Accounting I	
BUS 4243	Financial Management	
BUS 4253	Financial Planning	
ECO 3063	Money and Banking	
Total Semester Credit Hours		18

Human Resource Management

BUS 3003	Principles of Management	3
BUS 3273	Human Resource Management	3
BUS 4103	Training and Development	3
BUS 4303	Employment Staffing	3
Select three semester credit hours from the following:		3
BUS 2043	Fundamentals of Accounting I	
ECO 1013	Principles of Microeconomics	
ECO 1023	Principles of Macroeconomics	
Plus one of the following upper-level business courses		3
BUS 3253	Labor Management Relations	
BUS 4223	Human Behavior in Business Administration	
BUS 4273	Management of Compensation	
BUS 4293	International Human Resource Management	
Total Semester Credit Hours		18

Management

BUS 2043	Fundamentals of Accounting I	3
BUS 3003	Principles of Management	3
BUS 3053	Business Finance	3
BUS 3273	Human Resource Management	3
BUS 3253	Labor Management Relations	3
BUS 4223	Human Behavior in Business Administration	3
Total Semester Credit Hours		18

Marketing

BUS 3113	Principles of Marketing	3
Plus five of the following upper-level business courses		15
BUS 4063	Retailing	
BUS 4093	Principles of Selling	
BUS 4113	Marketing Research	
BUS 4133	Promotion Strategy	
BUS 4153	Services Marketing	
BUS 4213	Consumer Behavior	
BUS 4353	International Marketing	
BUS 4503	Internet Marketing	
Total Semester Credit Hours		18

Entrepreneurship

BUS 2043	Fundamentals of Accounting I	3
BUS 3003	Principles of Management	3
BUS 3113	Principles of Marketing	3
BUS 3243	Entrepreneurship	3
BUS 4443	Small Business Management (must be last business course completed)	3
Plus one of the following upper-level business courses		3
BUS 3323	Entrepreneurial Service Learning	
BUS 4093	Principles of Selling	
BUS 4213	Consumer Behavior	
Total Semester Credit Hours		18

Certificates

Within the School of Management, certificate programs allow students to supplement their college education with focused study in an area of interest outside of the major. Unlike a minor program, a certificate program often requires completion of interdisciplinary courses or more in-depth coursework within a discipline. Subsequently, completion of the certificate program leads to greater understanding of a topic that closely complements the degree program concentration. The School of Management at TWU offers a Certificate in Finance and a Certificate in Leadership.

Certificate in Finance

For students pursuing a major outside of Finance, a Certificate in Finance is offered. This certificate program is designed for individuals who want a solid understanding of finance and financial tools for their current or future employment. In addition, this program covers many of the topics included in both the Chartered Financial Analysts curriculum and the Certificate in Actuarial Studies curriculum. The certificate requires more-in-depth financial coursework than does the minor in Finance and the completion of eighteen (18) upper-level semester credit hours as follows:

BUS 3053	Business Finance	3
BUS 3133	Investments	3
BUS 4243	Financial Management	3
Plus three of the following upper-level business or economics courses		9
BUS 4253	Financial Planning	

BUS 4263	Finance Policy and Strategy	
BUS 4653	Financial Risk Management	
ECO 3063	Money and Banking	
ECO 3223	International Finance and Trade	

Certificate in Leadership

For students pursuing a major in any discipline at TWU, a Certificate in Leadership is offered. This certificate program is designed for individuals who are interested in improving the knowledge and skills they will need as leaders in a variety of careers in a dynamic 21st century. The certificate, through an interdisciplinary focus, requires completion of a capstone leadership project or participation in a leadership-focused internship approved by the TWU Leadership Institute as well as the completion of thirteen (13) upper-level semester credit hours as follows:

BUS 4343	Business Leadership Strategies	3
GOV 4133	Women in Leadership	3
Plus two of the following upper-level business, government, history, or women's studies courses		6
BUS 3003	Principles of Management	
BUS 3163	Business Communications	
BUS 3013	Business Law and Ethics	
BUS 3513	Professional Presentation Strategies	
BUS 4223	Human Behavior in Business Administration	
GOV 3063	Women in Politics	
GOV 4113	Public Administration	
HIST 4233	Global Issues and Trends	
WS 3023	U.S. Women of Colors	
BUS 4341	Leadership Seminar	1

Business Courses

BUS 2043. Fundamentals of Accounting I. (TCCN ACCT 2301, ACCT 2401) An emphasis on understanding of the accounting cycle and basic financial statement preparation. The course includes coverage of accounting for notes and interest, accruals and deferrals, fixed assets accounting including depreciation, depletion and amortization, payroll and payroll taxes. Prerequisite: Completion of three hours of college math. Two lecture and two laboratory hours a week. Credit: Three hours.

BUS 2053. Fundamentals of Accounting II. (TCCN ACCT 2302, ACCT 2402) A study of accounting for partnerships and corporations; long-term obligations; investments; manufacturing operations including job order, process cost and standard cost systems, income tax allocations, and statements analysis. Prerequisite: BUS 2043. Two lecture and two laboratory hours a week. Credit: Three hours.

BUS 2803. Women in Business. The study of the status and roles of women working both inside and outside the domestic workforce. Examines myths and realities of women's experiences across various socioeconomic, racial, ethnic, and cultural groupings. Surveys advances made by women in the workforce and coping techniques developed by practitioners to enable women to be valued in terms of professional competencies rather than gender stereotype. Three lecture hours a week. Credit: Three hours.

BUS 3003. Principles of Management. The concept and principles of management and organization; managerial functions of planning, organizing, directing, controlling; decision making; human relations; motivation; communications; and leadership. Three lecture hours a week. Credit: Three hours.

BUS 3013. Business Law and Ethics. Introduction to the legal problems confronting businesses in the global environment. Role of law in society; introduction to legal reasoning, dispute resolution, judicial process, constitutional law, agency, torts, and government regulations; business ethics; contracts. Study of basic legal principles of business organizations and operations, including assessment of advantages and disadvantages of different types of organization. Three lecture hours a week. Credit: Three hours.

BUS 3023. Intermediate Accounting I. Financial accounting and accounting standards, preparation of financial statements in accordance with generally accepted accounting principles (GAAP). Emphasis on the conceptual framework underlying financial accounting. Detailed study of the income statement, balance sheet, time value of money concepts, cash and receivables, and valuation of inventories. Prerequisites: BUS 2043 and BUS 2053 with a combined 2.50 GPA in the two courses, or approval by the instructor. Three lecture hours a week. Credit: Three hours.

BUS 3043. Intermediate Accounting II. Study of acquisition and disposition of property, plant and equipment; depreciation, impairments, and depletion; intangible assets; current liabilities and contingencies; long-term liabilities; stockholder's equity; dilutive securities and earnings per share. Prerequisite: BUS 3023. Three lecture hours a week. Credit: Three hours.

BUS 3053. Business Finance. A discussion of the tools and techniques used in business finance. An analysis of the acquisition and allocation of financial resources. Prerequisites: BUS 2043, BUS 2053, and MATH 2203 or MATH 1703; or permission of instructor. Three lecture hours a week. Credit: Three hours.

BUS 3063. Income Tax Accounting I. Principles of federal income tax accounting; preparation of income tax returns for individuals. Prerequisite: BUS 2043. Three lecture hours a week. Credit: Three hours.

BUS 3103. Cost Accounting. Principles of cost accounting for manufacturing companies. Emphasis is on job order costing; process costing; standard costing; direct costing; accounting for by-products and joint products; and cost allocations required to produce inventory valuations acceptable for external financial statements. Prerequisites: BUS 2043 and BUS 2053. Three lecture hours a week. Credit: Three hours.

BUS 3113. Principles of Marketing. Presentation of a fundamental knowledge of the nature, structure, institutions, and functions of marketing; problems involved in the exchange of goods and services from producers to intermediaries to consumers. Three lecture hours a week. Credit: Three hours.

BUS 3133. Investments. A study, from the viewpoint of the individual investor, of various investment media, including insurance, real estate, government securities, and corporate securities; market price behavior with emphasis on investment analysis and portfolio management. Prerequisites: MATH 1703 and MATH 2203, or permission of instructor. Three lecture hours a week. Credit: Three hours.

BUS 3163. Business Communications. Application of fundamental communication principles to business through letters and reports. Emphasis is placed on clear, accurate, and forceful writing with the use of practical psychology. Practice in writing letters and memos, collecting and organizing data, and writing a formal report will be included. Three lecture hours a week. Credit: Three hours.

BUS 3183. Introduction to International Business. Study of the nature of international business; the scope of the international environment; the foreign nation-state environment; global strategies; management and marketing responses. Three lecture hours a week. Credit: Three hours.

BUS 3193. Community Conversation in Sustainability. Sustainability issues from scientific, sociological, and business perspectives. Topics include the impacts of energy production, food production, industry, and our modern lifestyle on our local and global community with an emphasis on systems and possible solutions. Three seminar hours a week. Credit: Three hours.

BUS 3243. Entrepreneurship. An introduction to the planning of a small business enterprise and the decisions which must be made. Special attention is given to ethical decision areas, obstacles common to small business enterprises, small business solutions, and women/minority owned businesses. Semester project: Business Plan. Three lecture hours a week. Credit: Three hours.

BUS 3253. Labor Management Relations. Principles of labor problems; union structures; collective bargaining; wage determination; unemployment; labor productivity; government regulation of wages; labor legislation. Prerequisite: BUS 3003 or BUS 3273. Three lecture hours a week. Credit: Three hours.

BUS 3273. Human Resource Management. Principles of HR management; HR programming; job requirements; sources of labor supply; selection procedures; training programs; job evaluation; salary administration; employee communications; union-management relations. Prerequisite: BUS 3003. Three lecture hours a week. Credit: Three hours.

BUS 3323. Entrepreneurial Service Learning. Service learning experienced through the planning and execution of projects that empower people through entrepreneurial approaches. Emphasis on teamwork, leadership, project management, and measurement of outcomes. Three seminar hours a week. Credit: Three hours.

BUS 3393. Law for Women. Impact of gender on legal status: evolution of the current legal environment with an emphasis on parallels between racial and gender discrimination; substantive law regarding working conditions, compensation, education, the family, reproductive rights, and criminal law: feminist perspectives on legal reforms to improve the professional and personal lives of women and men. Three lecture hours a week. Credit: Three hours.

BUS 3513. Professional Presentation Strategies. Application of fundamental presentation strategies through oral, written, and visual formats. Utilization of a wide assortment of media is encouraged to develop, stage, and deliver a variety of presentations based on the intended audience, presentation purpose, location, topic, and available facilities and equipment. Three lecture hours a week. Credit: Three hours.

BUS 3533. Management Information Systems. Introduction to computer-based management information systems. Total systems implementation of electronic data processing equipment and various components. Prerequisite: CSCI 1403, CSCI 2433, or equivalent. Three lecture hours a week. Credit: Three hours.

BUS 4013. Alternative Dispute Resolution. Introduction to alternatives to litigation to resolve disputes. Consideration of negotiation, mediation, arbitration, moderated settlement conferences, and minitrials. Prerequisite: BUS 3273. Three lecture hours a week. Credit: Three hours.

BUS 4023. Advanced Accounting. Accounting for partnerships; installment sales; consignments; home office and branch accounting; and preparation of consolidated statements. Prerequisites: BUS 3023 and BUS 3043. Three lecture hours a week. Credit: Three hours.

BUS 4053. Advertising Ethics. Principles and case studies of mass communications law and ethics. Constitutional guarantees, libel, privacy, contempt, privilege, free speech, FCC, FTC regulatory law, and copyright. Ethical approaches in public relations and advertising. Three lecture hours a week. Credit: Three hours.

BUS 4063. Retailing. Principles and methods of modern retail merchandising; operating statement analysis, pricing, control, stock turnover, inventory methods, promotion, fashion, and salesmanship. Prerequisite: BUS 3113. Three lecture hours a week. Credit: Three hours.

BUS 4093. Principles of Selling. Study of selling as a marketing function with emphasis on the personal selling process; problems confronting sales executives in the organization, direction, and evaluation of a sales force. Prerequisite: BUS 3113. Three lecture hours a week. Credit: Three hours.

BUS 4103. Training and Development. Training and development will be studied in the context of organizational strategy. Topics such as needs analysis, training evaluation, and effectiveness and usefulness of training to the organization will be reviewed and discussed. Review of training design and implementation of training are examined. Prerequisite: BUS 3273. Three lecture hours a week. Credit: Three hours.

BUS 4113. Marketing Research. Managerial uses of research methods applied to problems of sales strategy, pricing, distribution, and the determination of marketing policies. Prerequisites: BUS 3113 and MATH 1703. Three lecture hours a week. Credit: Three hours.

BUS 4133. Promotion Strategy. Management of the promotional mix of advertising, publicity, sales promotion, direct-marketing, and personal selling with an emphasis on advertising. This course examines the interaction and coordination of these three elements with the firm's overall marketing mix. Prerequisite: BUS 3113. Three lecture hours a week. Credit: Three hours.

BUS 4153. Services Marketing. Marketing decision-making related to the service industry. Solving marketing problems unique to the service firm. Topics include understanding service strategic issues, tools for service marketing, service intangibles, simultaneous production and consumption and internal marketing, and not-for-profit issues. Prerequisite: BUS 3113. Three lecture hours a week. Credit: Three hours.

BUS 4163. Income Tax Accounting II. Special problems in preparing tax returns for individuals; preparation of tax returns for partnerships and corporations; preparation of employer's federal and state tax reports; study of federal estate taxes and federal gift taxes, use of computers in tax research and tax returns. Prerequisite: BUS 3063. Three lecture hours a week. Credit: Three hours.

BUS 4173. Accounting Infomation Systems. An introduction to the use of accounting information systems within an organization. The control and communication of files and databases are studied. Applications requiring the use of spreadsheets, flowcharting and relational database software applications are used in this course. Prerequisites: BUS 3023, and CSCI 1403 or CSCI 2433, or permission of instructor. Three lecture and one laboratory hours a week. Credit: Three hours.

BUS 4183. Governmental and Not-For-Profit Accounting. Governmental and non-profit entities with emphasis on special accounts/funds and statements used by such entities. Prerequisites: BUS 2043 and BUS 2053. Three lecture hours a week. Credit: Three hours.

BUS 4203. Accounting Theory. Development and present status of financial and managerial accounting theory. Generally Accepted Accounting Principles are studied in depth. Prerequisites: BUS 3043 and BUS 3103. Three lecture hours a week. Credit: Three hours.

BUS 4213. Consumer Behavior. A study of consumer buying behavior in a marketing context. Analysis of factors affecting consumer motivation, behavior, and buying decisions. Prerequisite: BUS 3113. Three lecture hours a week. Credit: Three hours.

BUS 4223. Human Behavior in Business Administration. A study of the behavior of people in business and other formal organizations. Emphasis on the process of integrating employees into a work situation so that they are motivated to work together cooperatively, productively, and with economic, psychological, and social satisfaction. Three lecture hours a week. Credit: Three hours.

BUS 4243. Financial Management. Analysis of financial administration problems confronting the manager; obtaining funds; cash management; of assets; budgeting; government regulation of business financing. Prerequisites: BUS 2043, BUS 2053, and BUS 3053, or permission of instructor. Three lecture hours a week. Credit: Three hours.

BUS 4253. Financial Planning. Comprehensive financial planning process based on model of Board of Standards of Certified Financial Planners (CFP); collecting client data and establishing financial objectives; insurance planning; investment planning; tax planning; retirement planning; estate planning. Special emphasis on financial planning issues unique to women. Three lecture hours a week. Credit: Three hours.

BUS 4263. Finance Policy and Strategy. Financial theories and applications; making policy and strategic decisions; spreadsheet analysis, internet-based simulation, case studies, and field trips to financial institutions. Prerequisites: BUS 3053 and BUS 4243, or permission of instructor. Three lecture hours a week. Credit: Three hours.

BUS 4273. Management of Compensation. A study of the total compensation system of management. Financial considerations are related to the interrelationship between employee organization, performance, rewards, satisfaction, and appraisal. Non-financial compensations are also studied. Prerequisite: BUS 3273. Three lecture hours a week. Credit: Three hours.

BUS 4293. International Human Resource Management. Global practice and application of human resource management including hiring, compensation, benefits, and legal practices; impact of national and corporate culture on business operations; structures of multinational enterprises; communication with international human resource professionals. Prerequisite: BUS 3273. Three lecture hours a week. Credit: Three hours.

BUS 4303. Employment Staffing. An analysis of staffing, recruitment, and selection; strategic staffing; employment relationships; job analysis; external and internal recruitment; selection procedures; legal issues. Prerequisite: BUS 3273. Three lecture hours a week. Credit: Three hours.

BUS 4333. Business Policy. A study of the complex decision-making situations that confront management. A case study approach to the formulation of business policies. Prerequisite: Senior standing. Three lecture hours a week. Credit: Three hours.

BUS 4341. Leadership Seminar. Summary, synthesis, and application of leadership knowledge and skills; culminating experience for Leadership Certificate. Prerequisites: GOV 4133 and BUS 4343. One seminar hour a week. Credit: One hour.

BUS 4343. Business Leadership Strategies. Strategies and application of personal and organizational leadership including behavioral styles, conflict resolution, decision making, motivation, communications, and team development. Three lecture hours a week. Credit: Three hours.

BUS 4353. International Marketing. Overview of international markets, marketing structures and successful marketing approaches. Examination of various cultural contexts affecting the development of marketing strategies and principles for developing effective marketing plans in global markets. Prerequisite: BUS 3113. Three lecture hours a week. Credit: Three hours.

BUS 4413. Tax Research. A study of primary and secondary online tax research materials, including RIA and CCH. Assignments include determining what information is needed for a specific tax problem, as well as finding, analyzing, and communicating the information. Prerequisite: BUS 3063 or permission of instructor. Three lecture hours a week. Credit: Three hours.

BUS 4423. Auditing. Auditing concepts, standards, and objectives; auditing procedures and sampling techniques; internal control evaluation; the writing of the audit report. Prerequisites: BUS 3043 and BUS 3103. Three lecture hours a week. Credit: Three hours.

BUS 4443. Small Business Management. Designed to provide theory and practical experience in the analysis of various small business operations. The integration and application of knowledge across functional areas are stressed. Three lecture hours a week. Credit: Three hours.

BUS 4453. Legal Issues in Human Resource Management. Human resource policies and practices related to employment, as shaped by U.S. and state laws and regulations. Prerequisite: BUS 3273. Three lecture hours a week. Credit: Three hours.

BUS 4503. Internet Marketing. Students will learn how the internet is used to enhance marketing functions. Topics include internet-based communications, direct marketing over the internet, and database applications. Students will get hands-on experience with web page design. Prerequisite: BUS 3113 or permission of instructor. Three lecture hours a week. Credit: Three hours.

BUS 4543. Quantitative Management Analysis. Introduction of models that have practical applications for managers in business and industry. Prerequisites: MATH 1703, MATH 1713, and MATH 2203; or permission of instructor. Three lecture hours a week. Credit: Three hours.

BUS 4553. Advanced Marketing. Problems of marketing management including the development of appropriate marketing strategies, planning and operations, and adjustments to changing environments and institutions in the marketplace. The managerial use of marketing tools in product development, market penetration, sales planning, forecasting, budgeting, consumer motivation, competitive strategy, and distribution cost control. Prerequisites: BUS 3113 and senior standing. Three lecture hours a week. Credit: Three hours.

BUS 4653. Financial Risk Management. Corporate financial risk management tools and techniques including the role of derivative securities and the structure of markets for trading risk. Prerequisites: BUS 3053, BUS 3133, MATH 1703, and MATH 2203; or permission of instructor. Three lecture hours a week. Credit: Three hours.

BUS 4903. Special Topics. Variable content. Prerequisite: Permission of instructor. Three lecture hours a week. Credit: Three hours.

BUS 4911. Independent Study. Individual projects and planned readings in business. Prerequisite: Permission of department. Credit: One hour.

BUS 4913. Independent Study. Individual projects and planned readings in business. Prerequisite: Permission of department. Credit: Three hours.

BUS 4953. Cooperative Education. Nine practicum hours a week. Credit: Three hours.

BUS 4956. Cooperative Education. Eighteen practicum hours a week. Credit: Six hours.

Economics Courses

ECO 1013. Principles of Microeconomics. (TCCN ECON 2302) Structure and operation of the economy explained through the role of microeconomic forces; price system; theory of firm; market situations (pure competition, monopoly, oligopoly); evaluation of the distribution of income. Three lecture hours a week. Credit: Three hours.

ECO 1023. Principles of Macroeconomics. (TCCN ECON 2301) A macroeconomic analysis covering money and banking, gross national product and income accounting, public finance, principles of taxation, labor, international economics (balance of payments), comparative economic systems. Three lecture hours a week. Credit: Three hours.

ECO 3063. Money and Banking. A survey of the role of money; history of currency; recent monetary legislation; banking and financial institutions; the Federal Reserve System; money and the national income; monetary and fiscal policy. Prerequisites: ECO 1013 or 1023, and junior standing; or permission of instructor. Three lecture hours a week. Credit: Three hours.

ECO 3223. International Finance and Trade. Trade and monetary concepts in international economics including consequences of intervention in trade; the balance of payments, theory, adjustments, and impact on world trade; instruments and markets of foreign exchange; and determination of exchange rates. Prerequisites: ECO 1013, ECO 1023, and BUS 3053. Three lecture hours a week. Credit: Three hours.

ECO 4913. Independent Study. Individual projects and planned readings in economics. Prerequisite: Permission of instructor. Credit: Three hours.

Faculty

Professors

DRISCOLL, PATRICIA T., Professor of Health Systems Management. B.S.N., Incarnate Word; M.S., Texas Woman's University; J.D., Southern Methodist University.

RAISINGHANI, MAHESH, Professor of Business and Economics. B.Comm., Osmania University, India; M.S., University of Texas at Arlington; M.B.A., University of Central Oklahoma; Ph.D., University of Texas at Arlington.

RAMAN, PUSHKALA, Professor of Business and Economics. B.Sc., University of Madras; M.B.A., Indian Institute of Management; Ph.D., Texas A&M University .

RYLANDER, DAVID H., Professor of Business and Economics. B.S., Trinity University; M.B.A., Texas A&M University; Ph.D., University of North Texas.

STANKEY, MICHAEL J., Professor of Business and Economics. B.S., Purdue University; M.S., University of Illinois : Urbana-Champaign; Ph.D., University of Illinois : Urbana-Champaign.

YOUNG, MARGARET, Professor of Business and Economics; Director of the School of Managment. B.B.A., University of Texas at El Paso; M.S., New Mexico State University; Ph.D., New Mexico State University.

Associate Professors

BAKER, PAMELA E., Associate Professor of Business and Economics. B.A., Hendrix College; M.S., University of Houston, Clear Lake; Ph.D., University of North Texas.

CREWS, DEREK, Associate Professor of Management. B.B.A., University of North Texas; M.B.A., University of North Texas; Ed.D., Nova Southeastern University.

MAURER, ROBERT T., Associate Professor of Health Systems Management; Program Director of Health Systems Management : Dallas. B.A., University of Virginia; M.S., Texas Tech University; M.B.A., University of Texas at Austin; Ph.D., University of Texas at Dallas.

NUGENT, JOHN H., Associate Professor of Accounting. B.A., Columbia University; M.B.A., Southeastern University, Washington, DC; D.B.A., Business School Lausanne, Switzerland.

RUSS, MOLLY, Associate Professor of Business and Economics. B.A., University of North Texas; M.A., Louisiana State University; Ph.D., Louisiana State University .

TENGESDAL, MARK O., Associate Professor of Business and Economics. B.A., Pacific Lutheran University; M.A., University of California, Riverside; Ph.D., University of California, Riverside.

WEBB, KERRY S., Associate Professor of Business and Economics. B.A., East Texas Baptist University; M.A., Southwestern Seminary; Ph.D., University of North Texas.

WEREMA, GILBERT J., Associate Professor of Business and Economics. B.B.A., University of Eastern Africa, Kenya; M.B.A., Alabama A&M University; M.S., Alabama A&M University; Ph.D., University of Georgia.

ZOU, LIN, Associate Professor of Finance. B.S., Nanjing University; M.A., Shanghai University of Finance and Economics; M.S., University of Texas at Dallas; Ph.D. (Acct.), Ph.D. (Finance), University of Texas at Dallas.

Assistant Professors

BARUA, MARIA E., Assistant Professor of Business and Economics. B.B.A., University of Texas, El Paso; M.B.A., University of Texas, El Paso; Ph.D., University of Texas at El Paso.

BERTE, ERICA, Assistant Professor of Management. B.S., Federal University of Santa Catarina; M.S., Federal University of Santa Catarina; Ph.D., University of Sao Paulo.

BOONME, KITTIPONG (KEN), Assistant Professor of Business and Economics. B.B.A., University of North Texas; M.B.A., University of North Texas; Ph.D., University of North Texas.

HARRIS, CHRISTOPHER M., Assistant Professor of Business and Economics. B.B.A., Belmont University; M.B.A., University of Nebraska, Omaha; Ph.D., University of Texas at Arlington.

HORN, DEWAYNNA R., Assistant Professor of Business and Economics. B.S., Belhaven College; M.B.A., Millsaps College; Ph.D., Jackson State University.

RADIGHIERI, JEFFREY, Assistant Professor of Business and Economics. B.B.A., Texas A&M University; M.B.A., University of Montana; Ph.D., Washington State University at Pullman.

Visiting Professor

HUFFT, EDWARD M.Jr., Visiting Professor of Business and Economics. B.S., Louisiana State University and A & M College; M.B.A., University of Houston; Ph.D. University of Kentucky.

Visiting Lecturers

CARFAGNO, LOUIS F., Visiting Lecturer I of Business and Economics. B.S., Embry-Riddle Aeronautical University; M.S., Embry-Riddle Aeronautical University; D.M., University of Phoenix.

HYDE, SHELIA A., Visiting Lecturer I of Business and Economics. B.S., Northwestern State University of Louisiana; M.A., Louisiana Tech University.

POMELNIKOV, ALEXEY G., Visiting Lecturer I of Business and Economics. B.B.A., University of Texas System : Arlington; M.B.A., University of Dallas; M.S., Ivanovo State Power University; Ph.D., Ivanovo State Power University.

Bachelor of Applied Science in Business (General Business)

The B.A.S. in General Business is available for students who transfer into TWU with an A.A.S. degree in a business-related discipline, therefore, students with an A.A.S. degree may transfer up to 42 semester credit hours from their A.A.S. business program, in addition to any general education course semester credit hours completed, to begin pursuing the B.A.S. degree. To complete the B.A.S. degree at TWU, students will complete any additional core curriculum courses required for a four-year business degree, 33 semester credit hours in business courses, and any electives needed in order to complete the 120 semester credit hours needed for graduation; 36 upper-level semester credit hours will be required. Required business courses for the B.A.S. degree are listed below.

Any student admitted to TWU for completion of the B.A.S. in Business that decides to change majors will be required to re-apply to TWU for the degree and major desired. In such cases, technical semester credit hours transferred to TWU will be removed from the TWU transcript.

State Core Courses (42 semester credit hours)

Communication		
ENG 1013	Composition I	3
ENG 1023	Composition II	3
Language, Philosophy, and Culture		
Select 3 semester credit hours		3
American History		
HIST 1013	History of the United States, 1492-1865	3
HIST 1023	History of the United States, 1865 to the Present	3
Government/Political Science		
GOV 2013	U.S. National Government	3
GOV 2023	Texas Government	3
Mathematics		
Select 3 semester credit hours		3
Life & Physical Sciences		
Select 6 semester credit hours		6
Creative Arts		
Select 3 semester credit hours		3
Social & Behavioral Sciences		
Select 3 semester credit hours		3
Component Area Option		
Select 3 semester credit hours from:		3
Multicultural Women's Studies		
Select 3 semester credit hours from:		3
Mathematics (3-4 semester credit hours)		
Wellness (1-3 semester credit hours)		
Total Semester Credit Hours		42

General Business Major (36 semester credit hours)

BUS 3003	Principles of Management	3
BUS 3013	Business Law and Ethics	3
BUS 3113	Principles of Marketing	3
BUS 3163	Business Communications	3
BUS 3183	Introduction to International Business	3
BUS 3273	Human Resource Management	3
BUS 3513	Professional Presentation Strategies	3
BUS 3533	Management Information Systems	3
BUS 4253	Financial Planning	3
BUS 4223	Human Behavior in Business Administration	3

BUS 4343	Business Leadership Strategies	3
Advanced Business Elective		
Career Field Block (max 42 semester credit hours)		
Additional Courses/Electives		
Elective semester credit hours as needed to bring total semester credit hours up to 120.		3
Total Semester Credit Hours		36

Advanced Business Electives are Business &/or Economics courses at the 3000 or 4000 level. Business Co-op semester credit hours may be used for up to six semester credit hours of Advanced Business Electives.

Notes:

1. By state law the candidate must have credit for six (6) semester credit hours of American History. Texas History may substitute for three (3) semester credit hours.
2. By state law the candidate must have credit for six (6) semester credit hours of federal and state constitutions. ROTC credit at a senior institution may be substituted.
3. Majors: Majors are defined as a minimum of thirty (30) semester credit hours. One-half (1/2) of these semester credit hours must be advanced. A Minimum of 36 advanced semester credit hours is required for any baccalaureate degree.
4. Minors: Most minors at Texas Woman's University include a minimum of eighteen (18) semester credit hours. A minor includes a minimum of 6 semester credit hours at the advanced level. Students should consider the state excess semester credit hours rule when considering earning a minor.
5. At least one-half (1/2) of the upper level courses in the major and at least one-half of the upper level courses in the minor must be completed at TWU.
6. A Minimum of 25% of the semester credit hours must be taken at TWU. Correspondence and credit-by-examination courses do not satisfy residence requirements for graduation.
7. A student who holds a valid bachelor's degree from another accredited college or university and who wishes to earn a second bachelor's degree at TWU must complete the following legal requirements: Six (6) semester credit hours of American History, six (6) semester credit hours of national and state governments, and thirty-six (36) semester credit hours of advanced studies, and meet departmental and residential requirements.
8. Students may transfer no more than 90 semester credit hours from junior or community colleges. There is no limit for transfer semester credit hours from senior institutions.
9. Students must maintain a GPA of 2.0 or better in the following areas: Cumulative GPA, TWU GPA, State Core, Business Core, Major Concentration.
10. Per the Texas Higher Education Code, section 51.907, anyone enrolling for the first time in Fall 2007 or later (at TWU or any Texas public higher education institution), are allowed only 6 unexcused drops during their undergraduate academic careers.
11. By state law, extra tuition will be charged to any resident undergraduate student who, before the semester or other academic session begins, has previously attempted a number of semester credit hours at any institution of higher education while classified as a resident student for tuition purposes that exceeds by at least 30 semester credit hours (or 45 semester credit hours for first enrollment at a Texas public institution prior to Fall 2006) the number of semester credit hours required for completion of the degree program in which the student is enrolled (Texas State Education Code Subchapter C, Section 61.0595).
12. An undergraduate student who attempts a course with the same content more than twice will pay tuition for that course at the out-of-state rate. TWU undergraduate students affected by this policy are those who register for a course at TWU which they have already twice attempted at TWU since the 2002 Fall Term. The policy does not apply to courses taken at other institutions.

In accordance with Leg. House Bill 1922, an individual is entitled to: request to be informed about the information collected about them; receive and review their information; and correct any incorrect information.

Disclosure of your social security or student ID number is required to access your transcripts and contact information at Texas Woman's University. Your social security or student ID number will be used as a unique number to identify you. Any further disclosure of your social security number will be governed by the Public Information Act (Chapter 552 of the Texas Government Code).

Bachelor of Business Administration in Accounting

Total Semester Credit Hours Required

120 semester credit hours.

Major

30 semester credit hours.

Required Courses

BUS 3023	Intermediate Accounting I	3
BUS 3043	Intermediate Accounting II	3
BUS 3063	Income Tax Accounting I	3
BUS 3103	Cost Accounting	3
BUS 3183	Introduction to International Business	3
BUS 4023	Advanced Accounting	3
BUS 4163	Income Tax Accounting II	3
BUS 4173	Accounting Infomation Systems	3
BUS 4183	Governmental and Not-For-Profit Accounting	3
BUS 4423	Auditing	3

CPA candidates will need to complete a total of 150 semester credit hours, including an additional 6 semester credit hours of upper-level accounting courses to be eligible to sit for the CPA exam.

The TWU School of Management attempts to ensure that all accounting and non-accounting business classes offered are accepted by the Texas State Board of Public Accountancy for CPA Exam credit. The combination of the TWU BBA/Accounting and TWU MBA/Accounting degrees is designed to provide all courses needed under current requirements. However, the State Board can and does make changes in course requirements / course acceptance as the Board deems appropriate. In addition, TWU may offer elective courses from time to time that do not meet any specific requirements set forth by the Board. Students are subject to all Board changes until the student receives an official letter from the State Board indicating that the

student has fulfilled all requirements. Each individual interested in becoming qualifies to sit for the CPA Exam must work with the State Board to determine her/his full eligibility for the CPA Exam.

Bachelor of Business Administration in Accounting Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
ECO 1013	Principles of Microeconomics	ECON 2302	3
Life & Physical Science Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Wellness CAO Core			2
MATH 1713	Elementary Statistics II		3
ECO 1023	Principles of Macroeconomics	ECON 2301	3
	Semester Credit Hours		14

Second Year

Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
Language/Philosophy/Culture Core			3
MATH 2203	Business Analysis I	MATH 1324	3
Life & Physical Science Core			3
BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Multicultural Women's Studies CAO Core			3
Creative Arts Core			3
BUS 2053	Fundamentals of Accounting II	ACCT 2302, ACCT 2402	3
Non-Business Elective			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
BUS 3003	Principles of Management		3
BUS 3023	Intermediate Accounting I		3
BUS 3063	Income Tax Accounting I		3
BUS 3103	Cost Accounting		3
BUS 3183 (GP)	Introduction to International Business		3
	Semester Credit Hours		15
Spring		**TCCN**	
BUS 3013	Business Law and Ethics		3
BUS 3113	Principles of Marketing		3
BUS 3053	Business Finance		3
BUS 3043	Intermediate Accounting II		3
BUS 4163	Income Tax Accounting II		3
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
BUS 3163	Business Communications		3
BUS 3533	Management Information Systems		3
BUS 4543	Quantitative Management Analysis		3
BUS 4023	Advanced Accounting		3
Non-Business Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
BUS 4333	Business Policy		3
BUS 4173	Accounting Infomation Systems		3
BUS 4183	Governmental and Not-For-Profit Accounting		3
BUS 4423	Auditing		3

Non-Business Elective		3
	Semester Credit Hours	15
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Business Administration in Business Administration (General Business)

Total Semester Credit Hours

120 semester credit hours.

Major

30 semester credit hours of upper level Business or Economics.

Bachelor of Business Administration in Business Administration (General Business) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
ECO 1013	Principles of Microeconomics	ECON 2302	3
Life & Physical Science Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Wellness CAO Core			2
MATH 1713	Elementary Statistics II		3
ECO 1023	Principles of Macroeconomics	ECON 2301	3
	Semester Credit Hours		14

Second Year

Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
Language/Philosophy/Culture Core			3
MATH 2203	Business Analysis I	MATH 1324	3
Life & Physical Science Core			3
BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Multicultural Women's Studies CAO Core			3
Creative Arts Core			3
BUS 2053	Fundamentals of Accounting II	ACCT 2302, ACCT 2402	3
Non-Business Elective			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
BUS 3003	Principles of Management		3
BUS 3053	Business Finance		3
BUS 3113	Principles of Marketing		3
BUS 3183 (GP)	Introduction to International Business		3
BUS 3533	Management Information Systems		3
	Semester Credit Hours		15
Spring		**TCCN**	
BUS 3013	Business Law and Ethics		3
BUS 3163	Business Communications		3
Advanced BUS/ECO Elective			3
Advanced BUS/ECO Elective			3
Advanced BUS/ECO Elective			3
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
BUS 4543	Quantitative Management Analysis		3

Advanced BUS/ECO Elective			3
Advanced BUS/ECO Elective			3
Advanced BUS/ECO Elective			3
Non-Business Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
BUS 4333	Business Policy		3
Advanced BUS/ECO Elective			3
Advanced BUS/ECO Elective			3
Advanced BUS/ECO Elective			3
Non-Business Elective			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

B.B.A. in Business Administration (General Business, Entrepreneurship Emphasis)

Total Semester Credit Hours Required

120 semester credit hours.

Major

30 semester credit hours.

Required Courses

BUS 3103	Cost Accounting	3
BUS 3183	Introduction to International Business	3
BUS 3243	Entrepreneurship	3
BUS 3273	Human Resource Management	3
BUS 4093	Principles of Selling	3
BUS 4213	Consumer Behavior	3
BUS 4443	Small Business Management	3

Plus 9 semester credit hours of upper-level business courses approved by a business advisor.

Bachelor of Business Administration in Business Administration (General Business, Entrepreneurship Emphasis) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
ECO 1013	Principles of Microeconomics	ECON 2302	3
Life & Physical Science Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Wellness CAO Core			2
MATH 1713	Elementary Statistics II		3
ECO 1023	Principles of Macroeconomics	ECON 2301	3
	Semester Credit Hours		14

Second Year

Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
Language/Philosophy/Culture Core			3
MATH 2203	Business Analysis I	MATH 1324	3
Life & Physical Science Core			3
BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Multicultural Women's Studies CAO Core			3
Creative Arts Core			3
BUS 2053	Fundamentals of Accounting II	ACCT 2302, ACCT 2402	3
Non-Business Elective			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
BUS 3003	Principles of Management		3
BUS 3053	Business Finance		3
BUS 3103	Cost Accounting		3

BUS 3113	Principles of Marketing	3
BUS 3533	Management Information Systems	3
	Semester Credit Hours	15
Spring	**TCCN**	
BUS 3013	Business Law and Ethics	3
BUS 3163	Business Communications	3
BUS 3183	Introduction to International Business	3
BUS 3243	Entrepreneurship	3
BUS 3273	Human Resource Management	3
	Semester Credit Hours	15
Fourth Year		
Fall	**TCCN**	
BUS 4093	Principles of Selling	3
BUS 4213	Consumer Behavior	3
BUS 4443	Small Business Management	3
BUS 4543	Quantitative Management Analysis	3
Non-Business Elective		3
	Semester Credit Hours	15
Spring	**TCCN**	
BUS 4333	Business Policy	3
Advanced BUS/ECO Elective		3
Advanced BUS/ECO Elective		3
Advanced BUS/ECO Elective		3
Non-Business Elective		3
	Semester Credit Hours	15
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Business Administration in Finance

Total Semester Credit Hours Required

120 semester credit hours.

Major

30 semester credit hours.

Required Courses

BUS 3063	Income Tax Accounting I	3
BUS 3133	Investments	3
BUS 3183	Introduction to International Business	3
BUS 4243	Financial Management	3
BUS 4253	Financial Planning	3
BUS 4263	Finance Policy and Strategy	3
ECO 3063	Money and Banking	3

Plus 9 semester credit hours of upper-level business courses approved by a business advisor.

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Bachelor of Business Administration in Finance Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
ECO 1013	Principles of Microeconomics	ECON 2302	3
Life & Physical Science Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Wellness CAO Core			2
MATH 1713	Elementary Statistics II		3
ECO 1023	Principles of Macroeconomics	ECON 2301	3
	Semester Credit Hours		14

Second Year

Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3

Language/Philosophy/Culture Core			3
MATH 2203	Business Analysis I	MATH 1324	3
Life & Physical Science Core			3
BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Multicultural Women's Studies Core			3
Creative Arts Core			3
BUS 2053	Fundamentals of Accounting II	ACCT 2302, ACCT 2402	3
Non-Business Elective			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
BUS 3003	Principles of Management		3
BUS 3053	Business Finance		3
BUS 3113	Principles of Marketing		3
BUS 3183 (GP)	Introduction to International Business		3
BUS 3063	Income Tax Accounting I		3
	Semester Credit Hours		15
Spring		**TCCN**	
BUS 3013	Business Law and Ethics		3
BUS 3163	Business Communications		3
BUS 3133	Investments		3
BUS 4243	Financial Management		3
ECO 3063	Money and Banking		3
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
BUS 4543	Quantitative Management Analysis		3
BUS 3533	Management Information Systems		3
BUS 4253	Financial Planning		3
BUS 4263	Finance Policy and Strategy		3
Advanced BUS/ECO Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
BUS 4333	Business Policy		3
Advanced BUS/ECO Elective			3
Advanced BUS/ECO Elective			3
Non-Business Elective			3
Non-Business Elective			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Business Administration in Human Resource Management

Total Semester Credit Hours Required

120 semester credit hours.

Major

30 semester credit hours.

Required Courses

BUS 3183	Introduction to International Business	3
BUS 3253	Labor Management Relations	3
BUS 3273	Human Resource Management	3
BUS 4013	Alternative Dispute Resolution	3
BUS 4103	Training and Development	3
BUS 4223	Human Behavior in Business Administration	3
BUS 4273	Management of Compensation	3
BUS 4293	International Human Resource Management	3
BUS 4303	Employment Staffing	3
BUS 4453	Legal Issues in Human Resource Management	3

Bachelor of Business Administration in Human Resource Management Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3

UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
ECO 1013	Principles of Microeconomics	ECON 2302	3
Life & Physical Science Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Wellness CAO Core			2
MATH 1713	Elementary Statistics II		3
ECO 1023	Principles of Macroeconomics	ECON 2301	3
	Semester Credit Hours		14
Second Year			
Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
Language/Philosophy/Culture Core			3
MATH 2203	Business Analysis I	MATH 1324	3
Life & Physical Science Core			3
BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Multicultural Women's Studies Core			3
Creative Arts Core			3
BUS 2053	Fundamentals of Accounting II	ACCT 2302, ACCT 2402	3
Non-Business Elective			3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
BUS 3003	Principles of Management		3
BUS 3053	Business Finance		3
BUS 3113	Principles of Marketing		3
BUS 3183 (GP)	Introduction to International Business		3
BUS 3533	Management Information Systems		3
	Semester Credit Hours		15
Spring		**TCCN**	
BUS 3013	Business Law and Ethics		3
BUS 3163	Business Communications		3
BUS 3273	Human Resource Management		3
Non-Business Elective			3
Non-Business Elective			3
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
BUS 4543	Quantitative Management Analysis		3
BUS 3253	Labor Management Relations		3
BUS 4103	Training and Development		3
BUS 4223	Human Behavior in Business Administration		3
BUS 4293	International Human Resource Management		3
	Semester Credit Hours		15
Spring		**TCCN**	
BUS 4333	Business Policy		3
BUS 4013	Alternative Dispute Resolution		3
BUS 4273	Management of Compensation		3
BUS 4303	Employment Staffing		3
BUS 4453	Legal Issues in Human Resource Management		3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) course satisfy global perspectives graduation requirement.

Bachelor of Business Administration in Management

Total Semester Credit Hours Required

120 semester credit hours.

Major

30 semester credit hours.

Required Courses

BUS 3183	Introduction to International Business	3
BUS 3273	Human Resource Management	3
BUS 4223	Human Behavior in Business Administration	3
BUS 4243	Financial Management	3
BUS 4443	Small Business Management	3

Plus 15 semester credit hours of upper-level business courses approved by a business advisor.

Bachelor of Business Administration in Management Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
ECO 1013	Principles of Microeconomics	ECON 2302	3
Life & Physical Science Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Wellness CAO Core			2
MATH 1713	Elementary Statistics II		3
ECO 1023	Principles of Macroeconomics	ECON 2301	3
	Semester Credit Hours		14

Second Year

Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
Language/Philosophy/Culture Core			3
MATH 2203	Business Analysis I	MATH 1324	3
Life & Physical Science Core			3
BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Multicultural Women's Studies CAO Core			3
Creative Arts Core			3
BUS 2053	Fundamentals of Accounting II	ACCT 2302, ACCT 2402	3
Non-Business Elective			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
BUS 3003	Principles of Management		3
BUS 3053	Business Finance		3
BUS 3113	Principles of Marketing		3
BUS 3183 (GP)	Introduction to International Business		3
BUS 3533	Management Information Systems		3
	Semester Credit Hours		15
Spring		**TCCN**	
BUS 3013	Business Law and Ethics		3
BUS 3163	Business Communications		3
BUS 3273	Human Resource Management		3
BUS 4243	Financial Management		3
Advanced BUS/ECO Elective			3
	Semester Credit Hours		15

Fourth Year			
Fall		**TCCN**	
BUS 4543	Quantitative Management Analysis		3
BUS 4223	Human Behavior in Business Administration		3
BUS 4443	Small Business Management		3
Advanced BUS/ECO Elective			3
Non-Business Elective			3
	Semester Credit Hours		15
Spring		**TCCN**	
BUS 4333	Business Policy		3
Advanced BUS/ECO Elective			3
Advanced BUS/ECO Elective			3
Advanced BUS/ECO Elective			3
Non-Business Elective			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Business Administration in Marketing

Total Semester Credit Hours Required

120 semester credit hours.

Major

30 semester credit hours.

Required Courses

BUS 3183	Introduction to International Business	3
BUS 4093	Principles of Selling	3
BUS 4113	Marketing Research	3
BUS 4133	Promotion Strategy	3
BUS 4213	Consumer Behavior	3
BUS 4353	International Marketing	3
BUS 4553	Advanced Marketing	3

Plus 9 semester credit hours of upper-level business courses approved by a business advisor.

Bachelor of Business Administration in Marketing Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
ECO 1013	Principles of Microeconomics	ECON 2302	3
Life & Physical Science Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Wellness CAO Core			2
MATH 1713	Elementary Statistics II		3
ECO 1023	Principles of Macroeconomics	ECON 2301	3
	Semester Credit Hours		14
Second Year			
Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
Language/Philosophy/Culture Core			3
MATH 2203	Business Analysis I	MATH 1324	3
Life & Physical Science Core			3
BUS 2043	Fundamentals of Accounting I	ACCT 2301, ACCT 2401	3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Multicultural Women's Studies CAO Core			3
Creative Arts Core			3
BUS 2053	Fundamentals of Accounting II	ACCT 2302, ACCT 2402	3
Non-Business Elective			3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
BUS 3003	Principles of Management		3

BUS 3053	Business Finance	3
BUS 3113	Principles of Marketing	3
BUS 3183 (GP)	Introduction to International Business	3
BUS 3533	Management Information Systems	3
	Semester Credit Hours	15
Spring		**TCCN**
BUS 3013	Business Law and Ethics	3
BUS 3163	Business Communications	3
BUS 4093	Principles of Selling	3
BUS 4133	Promotion Strategy	3
BUS 4353	International Marketing	3
	Semester Credit Hours	15
Fourth Year		
Fall		**TCCN**
BUS 4543	Quantitative Management Analysis	3
BUS 4113	Marketing Research	3
BUS 4213	Consumer Behavior	3
Advanced BUS/ECO Elective		3
Non-Business Elective		3
	Semester Credit Hours	15
Spring		**TCCN**
BUS 4333	Business Policy	3
BUS 4553	Advanced Marketing	3
Advanced BUS/ECO Elective		3
Advanced BUS/ECO Elective		3
Non-Business Elective		3
	Semester Credit Hours	15
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

College of Health Sciences

Web Site: http://www.twu.edu/hs/

Dean: *Christopher T. Ray, Professor*
Location: *HDB 202*
Phone: *940-898-2852*
Fax: *940-898-2853*

The College of Health Sciences is organized into eight academic components including the Departments of Communication Sciences and Disorders, Health Studies, Kinesiology, Nutrition and Food Sciences, Program in Dental Hygiene, Program in Health Care Administration (Pending THECB approval, this degree program will transition from the College of Health Sciences to the School of Management during the 2016-2017 academic year.), the School of Occupational Therapy, and the School of Physical Therapy. Students may pursue the degrees of Bachelor of Science, Master of Science, Master of Occupational Therapy, Doctor of Physical Therapy, and Doctor of Philosophy within the College.

Academic programs within the College of Health Sciences prepare women and men to apply the natural sciences for health careers. These programs develop practitioners, scholars, administrators, and researchers who focus their work on health promotion, prevention of illness, and rehabilitation of health related problems. Multidisciplinary studies that encourage collaboration among the faculty characterize the academic environment of the College.

Persons seeking careers in teaching Health Education, Physical Education, or Education of the Deaf may enroll in academic majors within Health Sciences and pursue a teacher certification program in the College of Professional Education to complete entry level requirements for teaching. Students enrolled as nutrition/food science majors may obtain certification to teach Hospitality, Nutrition, and Food Sciences through the Department of Family Sciences within the College of Professional Education.

Major undergraduate sequences leading to baccalaureate degrees are described in the introductory sections of the departments. Practical work experiences in Health Sciences in the form of practica, internships, clinicals, and cooperative education assignments are available as part of planned degree programs.

Admission Requirements

Please see the admission (p. 18) section of this catalog. Also consult the specific entry requirements that may apply to a particular program as set forth in the introductory material for each department.

Department of Communication Sciences and Disorders

Web Site: http://www.twu.edu/communication-sciences/

Chair: *Erika Armstrong, Associate Professor*
Location: *MCL 820*
Phone: *940-898-2025*
Fax: *940-898-2070*
E-mail: *coms@twu.edu*

Undergraduate Degrees Offered

- B.S. in Communication Sciences (Deaf Education) (p. 287)
- B.S. in Communication Sciences (Speech-Language Pathology) (p. 288)

The undergraduate program in Communication Sciences prepares students for graduate level work and related career opportunities in the fields of speech-language pathology, education of the deaf, and audiology by providing foundational knowledge in the areas of typical communication development, differences and disorders of communication for children and adults, and intervention strategies for helping children and adults become successful communicators.

For detailed information about the graduate programs in Speech-Language Pathology or Education of the Deaf, refer to the Graduate Catalog (http://catalog.twu.edu/graduate).

Admissions

Students must apply to the Department for admission into the Communication Sciences Program (COMS) under either the deaf education track or the speech-language pathology track:

- Deaf Education: Courses in this track prepare students for graduate level work and related career opportunities in Education of the Deaf and Hard of Hearing.
- Speech-Language Pathology: Courses in this track prepare students for graduate level work and related career opportunities in Speech-Language Pathology and Audiology.

Students must have completed 30 semester hours prior to submitting an application to the Department. Students applying to the speech-language pathology track must have a minimum cumulative GPA of 3.25 or a GPA of 3.25 over their last 30 semester credit hours of course work, with prerequisite coursework in biology, physics or chemistry, and statistics. Students applying to the deaf education track must have a minimum cumulative GPA of 3.0 or a GPA of 3.0 over their last 30 semester credit hours of course work.

Additional Requirements for Students in the Deaf Education Track

Students must also take five (5) education pedagogy courses for the Bachelor's Degree in Communication Sciences with emphasis in Education of the Deaf. Students must complete an interview with the COMS advisor and apply to the College of Professional Education. In addition, students seeking electives for Highly Qualified certification in a content area will need to complete courses as specified by the content area department.

Student Retention Requirements

Students must maintain an overall GPA of 3.0 once admitted to the program. If the student's GPA falls below 3.0 in classes taken within the department, the student will be placed on academic probation within the COMS department for the next semester the student is enrolled at TWU. During the probationary period, the student must meet with the COMS academic advisor to revise the student's degree plan. If the GPA in classes within the department remains below a 3.0 after the probationary period, the student may no longer major or minor in Communication Sciences. No more than two grades of C will apply toward the major, nor will credit be awarded toward the major for a grade of D or F. Classes within the COMS department may be repeated one time to replace a grade.

Undergraduate Practicum

The Undergraduate Practicum in Communication Sciences provides opportunities for outstanding COMS students intending to attend graduate school to gain practical clinical experience. These limited positions are available for selected students during their senior year. Students apply for the Undergraduate Practicum during the spring of their junior year for the following fall and spring semesters of their senior year.

Minor

Minors in Communication Sciences (http://www.twu.edu/communication-sciences/minor-communication-sciences.asp) are available to undergraduate students in two concentration areas: Deaf Education and Speech-Language Pathology. Students should complete a declaration of minor form as well as an application to the Department of Communication Sciences. Twenty-one (21) course hours are required for each track.

Courses

COMS 2223. Introduction to Communication Sciences and Disorders. Issues in the professions of speech-language pathology and audiology, biological foundations for speech, language and hearing, English sound systems, and basic acoustics and acoustic characteristic of sounds. Overview of the etiology and treatment of disorders of articulation, fluency, voice, swallowing, language, and hearing. Three lecture hours a week. Credit: Three hours.

COMS 2233. Anatomy and Physiology for Speech and Language. The relationship of anatomy and physiology of the brain, central nervous system, and the respiratory system with articulation, phonation, and hearing. For COMS majors only. Prerequisite: Biology course. Three lecture hours a week. Credit: Three hours.

COMS 2513. Deaf Culture. History of deaf community, its art, literature and language (American Sign Language), including current attitudes, movements, policies, and trends which affect the Deaf as a minority. Three lecture hours a week. Credit: Three hours.

COMS 3063. Normal Speech and Language Development. Nature of language, language-learning theories, and milestones of speech and language development; emphasis on preschool years. Three lecture hours a week. Credit: Three hours.

COMS 3333. Phonetics, Phonology, and Transcription. Classification and phonetics of English Phonemes using the International Phonetic Alphabet (IPA), diacritical markings, and phonological processes. Three lecture hours a week. Credit: Three hours.

COMS 3503. Speech Disorders and Intervention. Normal speech development; etiology, diagnosis, and treatment for speech disorders as they relate to children and adults. Factors involved in the learning and teaching of speech to the deaf and hard-of-hearing. Prerequisite: COMS 3333. Three lecture hours a week. Credit: Three hours.

COMS 3523. Audiology. Introduction to anatomy and physiology of the auditory system, assessment of hearing, and the effects of hearing loss on communication across the lifespan from infancy through old age. Three lecture hours a week. Credit: Three hours.

COMS 3553. Normal Language Development in School Age Children. Nature of oral and written language, the relationship of language to academic learning, and language development in the school age years. Prerequisite or co-requisite: COMS 3063. Three lecture hours a week. Credit: Three hours.

COMS 3563. Language Disorders and Intervention. Etiology, diagnosis, and therapy strategies for language disorders across the lifespan with emphasis on evidence based practice for preschool and school aged children. Prerequisite: COMS 3553. Three lecture hours a week. Credit: Three hours.

COMS 3633. Aural Habilitation. Effects of hearing differences on communication, current hearing technologies, development of auditory-based skills in individuals who are deaf/hard-of-hearing, and related clinic and classroom-based support strategies. Prerequisite: COMS 3523. Three lecture hours a week. Credit: Three hours.

COMS 4101. Study in Speech and Language Development. A course of study designed to enhance a student's knowledge of speech and language development in designated domains. Prerequisite: COMS 3063. One lecture hour a week. Credit: One hour.

COMS 4203. Diagnostic Procedures I. Instruction in current evaluative procedures of speech and language, both formal and informal; using test data to plan for intervention strategies. Prerequisites: COMS 3063 and a statistics course. Three lecture hours a week. Credit: Three hours.

COMS 4223. Observations of Deaf and Hard-of-Hearing Students in the Educational Environment. Instruction about and scheduled observations of educational programs designed to educate deaf and hard-of-hearing children at the preschool, elementary, and secondary levels. The course will cover the following methods of instruction: total communication, auditory-verbal, and teaching English as a second language. Prerequisite: Permission of department. One lecture and four practicum hours a week. Credit: Three hours.

COMS 4303. Introduction to Clinical Processes. Instruction in clinical processes and observation of speech therapy sessions. Prerequisite: Permission of instructor. Three practicum hours a week. Credit: Three hours.

COMS 4483. English Sign Systems. The use of various manual code systems (SOS, MSS, Cued Speech) to facilitate the development of English by teachers of the hearing impaired. Three lecture hours a week. Credit: Three hours.

COMS 4553. American Sign Language I. (TCCN SGNL 1301, SGNL 1401) A first course in American Sign Language (ASL). Development of a minimal working vocabulary of signs taken from ASL and to develop some understanding of and the ability to use ASL grammar. Three lecture hours a week. Credit: Three hours.

COMS 4613. American Sign Language II. (TCCN SGNL 1302, SGNL 1402) A second course in American Sign Language (ASL). Expansion of ASL vocabulary and grammar. Enhancement of ability to understand ASL. Three lecture hours a week. Credit: Three hours.

COMS 4623. The Brain and Language: an Introduction. An introduction to the neurology of speech and language mechanisms in children and adults. Emphasis on the neuronal bases of speech and language with focus on clinical syndromes of speech motor systems and central language mechanisms. Prerequisite: COMS 2233. Three lecture hours a week. Credit: Three hours.

COMS 4633. Speech and Hearing Science. Scientific basis underlying evaluation and treatment skills in clinical procedures for perception and production of respiration, phonation, articulation, resonance, prosody, and hearing. Prerequisites: COMS 2233 and a course in Physics or Chemistry. Three lecture hours a week. Credit: Three hours.

COMS 4653. Literacy Development in the Hearing Impaired. Review of research in the reading, writing, speaking, and listening skills of both hearing and hearing-impaired populations. Linguistic and literacy development explored indepth as they relate to whole language development in hearing-impaired children. Three lecture hours a week. Credit: Three hours.

COMS 4663. Using ASL to Teach English. Instructional strategies for using ASL to teach English grammar and syntax to students who are deaf; exploration of the linguistic features of ASL and methods to teach English grammatical structures. Prerequisites: COMS 4553 and COMS 4613. Three lecture hours a week. Credit: Three hours.

COMS 4693. Honors Practicum Experience. Instruction in clinical and educational processes with at least 12 hours of beginning practicum experiences. Requires permission of instructor. Prerequisite or Co-requisite: COMS 4303 or COMS 4223. One lecture and four laboratory hours a week. Credit: Three hours.

COMS 4913. Independent Study. Individual study of specific problems. Prerequisite: Permission of instructor. Credit: Three hours.

Faculty

Professors

GILL, CYNTHIA B., Professor of Communication Sciences and Disorders. B.S., Southwest Texas State University; M.Ed., Southwest Texas State University; Ed.D., East Texas State University.

WALKER-BATSON, DELAINA, Cornaro Professor of Communication Sciences and Disorders. B.A., Southern Methodist University; M.S., University of Utah; Ph.D., University of Texas at Austin.

Associate Professors

ALLMAN, TAMBY M., Associate Professor of Communication Sciences and Disorders. B.S., Baylor University; M.A., Texas Woman's University; Ed.D., National-Louis University.

ARMSTRONG, ERIKA S., Associate Professor of Communication Sciences and Disorders; Chair of the Department of Communication Sciences and Disorders. B.A., University of Texas at Dallas; M.S., University of Texas at Dallas; Ph.D., University of Texas at Dallas.

BHARADWAJ, SNEHA V., Associate Professor of Communication Sciences and Disorders. B.S., University of Mysore, India; M.S., University of Mysore, India; Ph.D., University of Texas at Dallas.

GREEN, LAURA B., Associate Professor of Communication Sciences and Disorders. B.S., Stephen F. Austin State University; M.A., University of Houston; Ph.D., University of Washington.

MEHTA, JYUTIKA A., Associate Professor of Communication Sciences and Disorders. B.S., Bombay University : India; M.S., University of Texas at Dallas; Ph.D., University of Texas at Dallas.

SMITH, CHAD E., Associate Professor of Communication Sciences and Disorders. B.A., Lamar University; M.S., Lamar University; Ph.D., Nova Southeastern University.

Assistant Professors

LEVITT, JUNKO (JUNE) S., Assistant Professor of Communication Sciences and Disorders. B.A., Musashino Women's College; M.S., University of Texas at Dallas; Ph.D., University of Texas at Dallas.

PAYESTEH, BITA, Assistant Professor of Communication Sciences and Disorders. B.A., The University of Texas at Dallas; M.S., The University of Texas at Dallas; Ph.D., University of Minesota.

SPOLSKY, SONYA, Assistant Professor of Communication Sciences and Disorders. M.A., The University of Arizona; Ph.D., The University of Arizona.

WAINSCOTT, SARAH D., Assistant Professor of Communication Sciences and Disorders. B.S., James Madison University; M.Ed., James Madison University; Ph.D., Gallaudet University.

Associate Clinical Professors

MOORER-COOK, LAURA L., Associate Clinical Professor of Communication Sciences and Disorders. B.S., Texas Woman's University; M.A., Texas Woman's University.

MORY, KIMBERLY D., Associate Clinical Professor of Communication Sciences and Disorders. B.A., California State University, Fullerton; M.A., California State University, Fullerton.

WHITE, JENNIFER K., Associate Clinical Professor of Communication Sciences and Disorders. B.S., James Madison University; M.S., University of North Texas.

WOODS, ALISA P., Associate Clinical Professor of Communication Sciences and Disorders. B.S., University of Oklahoma Health Sciences Center; M.S., Texas Woman's University.

Assistant Clinical Professors

ABELLERA, ROBIN L., Assistant Clinical Professor of Communication Sciences and Disorders. B.S., University of Houston; M.A., Texas Woman's University.

CHANCE, PAULA V., Assistant Clinical Professor of Communication Sciences and Disorders. B.S., Abilene Christian University; M.S., Texas Woman's University.

STOCKHOLM, MELISSA C., Assistant Clinical Professor of Communication Sciences and Disorders. B.S., Baylor University; M.Ed., Stephen F. Austin State University.

Bachelor of Science in Communication Sciences (Deaf Education)

Total Semester Credit Hours Required

120 semester credit hours.

Major

40 semester credit hours.

Bachelor of Science in Communication Sciences (Emphasis in Deaf Education) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
SOCI 1013 (Social/ Behavioral Science Core (GP)	Introductory Sociology	SOCI 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
COMS 2223	Introduction to Communication Sciences and Disorders		3
Mathematics Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Mathematics CAO Core			3
Life/Physical Science Core			3
Creative Arts Core			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
COMS 4553	American Sign Language I	SGNL 1301, SGNL 1401	3
COMS 2513	Deaf Culture		3

Language, Philosophy, and Culture Core			3
EDUC 2003	Schools and Society	EDUC 1301	3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
COMS 4613	American Sign Language II	SGNL 1302, SGNL 1402	3
COMS 4223	Observations of Deaf and Hard-of-Hearing Students in the Educational Environment		3
Life/Physical Science Core			3
Elective (suggested coursework for HQ)			3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
COMS 3523	Audiology		3
COMS 4663	Using ASL to Teach English		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
EDUC 3003	Learning Theory and Development		3
Multicultural Women's Studies CAO Core			3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
	Semester Credit Hours		17
Spring		**TCCN**	
COMS 3063	Normal Speech and Language Development		3
COMS 3633	Aural Habilitation		3
Elective (suggested coursework for HQ)			3
Elective (suggested coursework for HQ)			3
Elective (suggest coursework for HQ)			3
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
COMS 3553	Normal Language Development in School Age Children		3
COMS 4483	English Sign Systems		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
Elective (suggested coursework for HQ)			3
	Semester Credit Hours		15
Spring		**TCCN**	
COMS 3563	Language Disorders and Intervention		3
COMS 4101	Study in Speech and Language Development		1
COMS 4653	Literacy Development in the Hearing Impaired		3
Elective (suggested coursework for HQ)			2
Elective (suggested coursework for HQ)			3
Elective (suggested coursework for HQ)			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		123

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Communication Sciences (Emphasis in Speech-Language Pathology)

Total Semester Credit Hours Required

120 semester credit hours.

Major

46 semester credit hours.

Bachelor of Science in Communication Sciences (Emphasis in Speech-Language Pathology) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Mathematics Core			3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Elective			2
Select one of the following Social/ Behavioral Science Core courses:			3
PSY 1013	Introduction to General Psychology	PSYC 2301	
SOCI 1013	Introductory Sociology	SOCI 1301	
	Semester Credit Hours		15

Spring		TCCN	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
Select one of the following Life/ Physical Science courses:			4
ZOOL 2013 & ZOOL 2011	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	
BIOL 1113 & BIOL 1111	Principles of Biology I and Principles of Biology I Laboratory	(BIOL 1306, BIOL 1406) and (BIOL 1106)	
Elective			3
	Semester Credit Hours		16

Second Year

Fall		TCCN	
Select one of the following Life/ Physical Science Cores:			4
PHYS 1133 & PHYS 1131	Principles of Physics I and Principles of Physics Laboratory I	(PHYS 1301, PHYS 1401) and (PHYS 1101)	
CHEM 1113 & CHEM 1111	General Chemistry I and General Chemistry Laboratory I	(CHEM 1311, CHEM 1411) and (CHEM 1111)	
GOV 2013	U.S. National Government	GOVT 2305	3
COMS 2223	Introduction to Communication Sciences and Disorders		3
WS 2013	Gender and Social Change: An Introduction to Multicultural-Women's Studies		3
Elective			3
	Semester Credit Hours		16

Spring		TCCN	
Language, Philosophy, and Culture Core			3
Creative Arts Core			3
GOV 2023	Texas Government	GOVT 2306	3
Elective			3
Elective			3
	Semester Credit Hours		15

Third Year

Fall		TCCN	
COMS 2233	Anatomy and Physiology for Speech and Language		3
COMS 3333	Phonetics, Phonology, and Transcription		3
COMS 3523	Audiology		3
Elective			3
Elective			3
	Semester Credit Hours		15

Spring		TCCN	
COMS 3063	Normal Speech and Language Development		3
COMS 3503	Speech Disorders and Intervention		3
COMS 3633	Aural Habilitation		3

COMS 4623	The Brain and Language: an Introduction	3
Elective		3
	Semester Credit Hours	15
Fourth Year		
Fall	**TCCN**	
COMS 3553	Normal Language Development in School Age Children	3
COMS 4203	Diagnostic Procedures I	3
COMS 4483	English Sign Systems	3
Elective		3
Elective		3
	Semester Credit Hours	15
Spring	**TCCN**	
COMS 3563	Language Disorders and Intervention	3
COMS 4101	Study in Speech and Language Development	1
COMS 4303	Introduction to Clinical Processes	3
COMS 4653	Literacy Development in the Hearing Impaired	3
COMS 4633	Speech and Hearing Science	3
	Semester Credit Hours	13
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Department of Health Studies

Web Site: http://www.twu.edu/health-studies

Interim Chair:
Roger Shipley, Associate Professor

Location: *CFO 1006*
Phone: *940-898-2860*
Fax: *940-898-2859*
E-mail: *HealthStudiesInfo@twu.edu*

Undergraduate Degrees Offered

- B.A.S. in Health Studies (p. 294)
- B.S. in Health Studies (Community Health (p. 295))
- B.S. in Health Studies (Master's Preparation for Prospective Occupational Therapy Students) (p. 298)
- B.S. in Health Studies (Master's Preparation (p. 297))
- B.S. in Health Studies (EC-12 Health Certification) (p. 300)

The Department of Health Studies (http://www.twu.edu/health-studies) offers programs leading to the Bachelor of Science (B.S.), Bachelor of Applied Science (B.A.S.), Master of Science, and Doctor of Philosophy degrees. The B.S. degree in Health Studies prepares graduates to develop health education programs that promote wellness and prevent disease. Such programs exist in a variety of community settings, including worksite wellness programs, voluntary health organizations, public health departments, clinics and hospitals, and health maintenance organizations. Required courses within this degree program focus on health issues among diverse groups and the seven areas of responsibility of a health education specialist. Those areas include assessing individual and community health needs and assets; planning, implementing, and evaluating health programs; administering and managing health education programs; serving as a health education resource person; and communicating and advocating for health and health education. Graduates are eligible to take a national exam to become a Certified Health Education Specialist. Texas Woman's University (TWU) Health Studies B.S. program is SABPAC-approved; therefore, all Health Studies core curriculum courses must be taken at TWU to maintain these national program approval standards.

The B.A.S. degree includes a curriculum which accepts a variety of related Associates of Applied Science (A.A.S.) graduates in health professions to complete a bachelor's degree with a Health Studies major, enabling them to advance their careers to more diverse positions with managerial responsibilities. The program will provide students with the knowledge and skills needed to: apply concepts and principles of management and organization, including the functions of planning, organizing, directing, and evaluating; human relations; communications, and leadership; and to apply basic principles of business organizations and operations.

Students may choose from among four areas of study within the B.S. in Health Studies degree program: Community Health, Master's Preparation for prospective Occupational Therapy students, Master's Preparation and All Level Health Education Teaching Certification. Health studies majors who select the Community Health area of study are generally interested in pursuing employment within any of the aforementioned community health settings. Health Studies majors who select the Masters Preparation for prospective Occupational Therapy students will prepare for the same community health employment opportunities and complete the Master's of Occupational Therapy (MOT) program prerequisites (see "Occupational Therapy" in this catalog and graduate catalog). Health Studies majors who select the Master's Degree Preparation area of study wish to pursue some other health-related master's degree program at TWU. This area of study allows students to enroll in master's program prerequisite coursework while completing their B.S. degree in Health Studies. Health Studies majors who select the All Level Health Education Teaching area of study are interested in teaching Health Education at the elementary or secondary school level.

For students pursuing either the Community Health or B.A.S. areas of study, the department offers online completion degrees in the Health Studies Degree Program. These internet programs offer flexibility and convenience for those students who find it difficult to complete coursework in the traditional on-campus format and have the skills and abilities to complete coursework via an online format. Please contact the Health Studies Department for more information about applying for the online degree program, or visit the website at http://www.twu.edu/health-studies/online-programs.asp.

Health Studies Major

General Description

To earn the Bachelor of Science in Health Studies degree, the student will major in Health Studies. The student must have a minimum cumulative grade point average of 2.75 for program acceptance. For acceptance into the Online Health Studies program, the student must have a minimum cumulative grade point average of 3.0. All Health Studies majors must maintain a minimum cumulative and Health Studies grade point average of 2.75 (with a minimum grade of "C" in all HS courses). Any Health Studies major whose GPA falls below the 2.75 minimum or earns a grade lower than "C" in any HS course will be placed on probation and given one semester to remediate the GPA or course grade. Total semester credit hours required:120.

Students who are not in the Online Health Studies program may petition to take a Health Studies elective course online. Online Health Studies core courses are for online students only, unless approval is granted by the Online Committee.

Academic Policies: All Students

The following policies apply to all students in the Health Studies Department (http://www.twu.edu/health-studies).

1. A minimum grade of C is required in all courses in the Health Studies major. If a student earns a grade of D, F, or WF in a Health Studies course, that course must be repeated. A course in which a grade of less than C (D, F, or WF) was earned may be repeated only once.
2. A student who has earned a grade of less than C (D, F, or WF) twice in the same Health Studies course will be required to leave the Health Studies program.
3. Students receiving a grade of I, D, F or WF in a Health Studies course may not progress to courses for which that course is a prerequisite.
4. If the overall GPA goes below a 2.75, the student must raise it to 2.75 within two semesters. Any student with a GPA below 2.75 for two consecutive semesters will be required to leave the program.

5. Cannot take any courses beyond HS 3053 if student's GPA is below 2.75.

Honors Scholar Program

The Health Studies Department provides the opportunity for students to participate in the Texas Woman's University Honors Scholar Program (p. 59). The program seeks to develop scholars with excellent technological, writing and research skills as well as clinical expertise. These skills will be developed through both enhanced course work and experimental learning in the department as well as related health agencies. To participate, students must meet the Texas Woman's University Honors Scholar Criteria.

Dismissal

The Health Studies Department reserves the right to require the withdrawal from the Department of Health Studies (http://www.twu.edu/health-studies) of any student whose behavior is deemed to threaten the welfare of any individual or whose behavior is deemed unsafe in any manner.

General Study Course Options

Students wanting to use Health Studies as a concentration in General Studies must have and maintain a cumulative grade point average of 2.75.

The following courses can be used as a concentration in General Studies (p. 74):

HS 3033	Medical Terminology	3
HS 3133	Perspectives on Women's Health	3
HS 3203	Emergency Care, First Aid, and CPR	3
HS 3363	History and Principles of Health Education	3
HS 3373	Health Promotion for Children	3
HS 3403	Environmental Health and Safety Education	3
HS 3443	Health Aspects of Aging	3
HS 4363	Consumer Health	3
HS 4483	Psychosocial Aspects of Mental Health	3
HS 4553	Stress Management Techniques	3

Graduate Courses

Please refer to the Graduate Catalog (http://catalog.twu.edu/graduate) for information regarding graduate courses.

Admissions

Please see Admission (p. 18) section of this catalog. The same standards for admission to the University apply to the Department of Health Studies.

Minors

Minor in Health Studies

Eighteen (18) semester credit hours of Health Studies courses are required for a minor in Health Studies. Those students who choose to minor in Health Studies must take the following courses:

HS 1363	Introduction to Health Education	3
HS 2013	Health Communications	3
HS 3033	Medical Terminology	3
HS 3053	Community Health	3
HS 3073	Health Promotion Program Planning and Design	3
HS 3413	Epidemiology	3
Total Semester Credit Hours		18

Courses

HS 1363. Introduction to Health Education. Health education settings, roles, responsibilities, theories, ethics, and professional organizations associated with the field. Review of leading causes of morbidity and mortality in the U.S. as well as Healthy People 2010 and Healthy People 2020. Three lecture hours a week. Credit: Three hours.

HS 1901. Fitness and Health Laboratory. (TCCN PHED 1304) Activities and laboratories designed to illustrate and experience the balanced approach to fitness and health. Co-requisite: HS 1902. Three activity laboratory hours a week. Credit: One hour.

HS 1902. Fitness and Health: Enhancing Personal Wellness. (TCCN PHED 1304) Introduces basic concepts of fitness, health, and nutrition; develops understandings necessary for making wise decisions and establishing individually appropriate practices that contribute to a healthful lifestyle throughout the life span. Wellness issues that affect women and reflect cultural values are addressed. Co-requisite: HS 1901. Two lecture hours a week. Credit: Two hours.

HS 2013. Health Communications. Provides practical experiences in developing strategies to deliver health messages through a variety of communication channels. Examines theoretical foundations and factors that impact health communication. Co-requisites: HS 1363, HS 1901, and HS 1902. Three lecture hours a week. Credit: Three hours.

HS 2373. Health Aspects of Human Sexuality. (TCCN PSYC 2306, SOCI 2306) Physical, emotional, social, and psychological dimensions of human sexuality; interpersonal relationships; contemporary attitudes, values, and behaviors; sexuality as a positive health entity. Three lecture hours a week. Credit: Three hours.

HS 2383. Drugs and Human Health. (TCCN PHED 1346, SOCI 2340) Use and abuse of drugs; focus on psychological, physical, and social effects on personal and community health. Three lecture hours a week. Credit: Three hours.

HS 2813. Introduction to Global Health. Analysis of significant global health issues; determinants of global health status, culture, gender, poverty, politics, economic development, ethical, and human rights concerns; and education. Development of global health promotion and advocacy strategies. Three lecture hours a week. Credit: Three hours.

HS 3033. Medical Terminology. A systems approach to the language of medicine, including the analysis and utilization of wood roots, combining forms, prefixes, suffixes, and medical terms; emphasis on written and spoken medical vocabulary. Three lecture hours a week. Credit: Three hours.

HS 3053. Community Health. Emphasis on the needs assessment process and how to collect, interpret, synthesize, and report community health data, U.S. health data, county health reports, sources of health information, and ecological and sociological factors impacting health. Health education theories will be addressed and the student will practice using the PRECEDE-PROCEED model. Prerequisites or co-requisites: HS 1363, HS 1901, HS 1902, and HS 2013. Three lecture hours a week. Credit: Three hours.

HS 3073. Health Promotion Program Planning and Design. Introduction to health program planning and design. Includes interpretation of needs assessment data, goals and objectives writing, assets mapping/capacity building, and strategies development. Theories relative to planning and learning styles are discussed. Concepts related to program implementation and evaluation are introduced. Prerequisites: HS 1363, HS 1901, HS 1902, HS 2013, HS 3053, and a minimum GPA of 2.75. Three lecture hours a week. Credit: Three hours.

HS 3083. Program Evaluation in Health Promotion. Methods and models for program evaluation in health promotion and health education; development of data collection instruments; data collection and statistical analysis techniques; interpreting and reporting evaluation results. Prerequisites: HS 1363, HS 1901, HS 1902, HS 2013, HS 3053, HS 3073, and a minimum GPA of 2.75. Three lecture hours a week. Credit: Three hours.

HS 3133. Perspectives on Women's Health. Feminist theory provides framework for exploration of women's health care issues throughout the life span. Examines roles of women as providers and consumers of health care. Emphasizes the interface of gender, socio-economic and minority status, and medicalization of women's health. Three lecture hours a week. Credit: Three hours.

HS 3203. Emergency Care, First Aid, and CPR. Theory and practice of emergency care including: adult, child, and infant rescue breathing; conscious and unconscious choking; infant, child, adult, and two person CPR with child and adult AED (Automated External Defibrillation). Includes bloodborne pathogen training and emergency oxygen administration. Preparation for Professional Rescuer certification through the American Red Cross. Three lecture hours a week. Credit: Three hours.

HS 3363. History and Principles of Health Education. Origins of health education; historical influences on principles and theories governing contemporary programs of health education and their significance to the school and the community. Three lecture hours a week. Credit: Three hours.

HS 3373. Health Promotion for Children. Focus on health promotion content for the school age child. Identification of strategies and resources for programs designed to maintain, protect, and promote the health of children. Three lecture hours a week. Credit: Three hours.

HS 3383. Legal and Ethical Issues in Health Informatics. Trends in information technology which impact the right to privacy, the principles underlying privacy protection, and the key elements of federal and state health information privacy laws. Review of major regulatory mechanisms protecting privacy and confidentiality related to public health as well as ethical issues related to the collection and use of public health information. Framework to formulate and analyze ethical issues related to public health informatics. Three lecture hours a week. Credit: Three hours.

HS 3403. Environmental Health and Safety Education. Basic principles of ecology as they apply to the health and safety of human beings in interaction with and within physical and social environments, in relation to the biosphere, and in community and occupational settings; efforts to protect and conserve the environment. Three lecture hours a week. Credit: Three hours.

HS 3413. Epidemiology. Investigation and measurement, control, and prevention of diseases and health conditions, and the risk of these diseases and conditions, in human populations. Prerequisites: HS 3033, BACT 1003, BACT 1001, ZOOL 2033, ZOOL 2031. Three lecture hours a week. Credit: Three hours.

HS 3433. Current Trends in Population Health and Health Informatics. Utilization of social and behavioral sciences to analyze health informatics and public health issues. Analysis of individual, community, institutional, and societal factors that influence health informatics. Application of theoretical approaches to public health practice, policy, and professional training. Three lecture hours a week. Credit: Three hours.

HS 3443. Health Aspects of Aging. Aging as a part of the lifecycle; special health concerns of the elderly; current life extending research and technology; successful aging. Three lecture hours a week. Credit: Three hours.

HS 4121. Preparation for Internship in Health Education. Overviews internship requirements and strategies for selecting an internship site, interviewing with potential preceptors, negotiating internship responsibilities, and developing goals and objectives. Professionalism, ethics, communication, conflict resolution, and other related topics. Prepares Community Health majors for the degree program's required 12-credit-hour internship (HS 4123) and must be taken the semester prior to enrollment in internship. Prerequisites: HS 1363, HS 1902, HS 1901, HS 2013, HS 3053, HS 3073, and a GPA of 2.75 or higher. Co-requisite: HS 3083, HS 4353, senior classification, and internship coordinator approval. One lecture hour a week. Credit: One hour.

HS 4123. Internship in Health Education. Clinical experiences in health-related agencies to enable the student to develop competencies generic to the practice of health education. Community Health students must register for four sections of HS 4123 within the same semester for a total of 360 hours on site. Prerequisites: Course work completed, senior classification, internship coordinator approval, and a cumulative HS GPA of 2.75. Nine practicum hours a week. Credit: Three hours.

HS 4353. Grant Writing in Health Education. Capstone course which synthesizes theory and methods of health education, needs assessment, program planning, implementation, and evaluation. Integrates the areas of responsibility for a Certified Health Education Specialist (CHES) into a grant writing project. Prerequisites: HS 1363, HS 1901, HS 1902, HS 2013, HS 3053, HS 3073, and a GPA of 2.75. Co-requisite: HS 3083. Three lecture hours a week. Credit: Three hours.

HS 4363. Consumer Health. Overview of basic materials needed to make informed decisions in regard to personal health care and selection of health services. Developing and utilizing strategies for making everyday health decisions on an informed basis. Three lecture hours a week. Credit: Three hours.

HS 4483. Psychosocial Aspects of Mental Health. Psychosocial factors which impact health status and health behavior including: family, environment, culture, age, gender, socioeconomic status, education, violence, grief, loss, traumatic stressors, and factors that shape a person's image and identity. Three lecture hours a week. Credit: Three hours.

HS 4553. Stress Management Techniques. Understanding productive and non-productive stress and their implications for health. Learning relaxation techniques and positive reinforcers that lead to wellness. Three lecture hours a week. Credit: Three hours.

HS 4563. Overview of Public Health Surveillance. Examination of the process and methods of designing and evaluating public health information surveillance systems. Public health-related database design with an emphasis on the planning, design, and implementation of databases related to public health surveillance. Three lectures hours a week. Credit: Three hours.

HS 4573. Occupational Risk Assessments. A study of the principles of health and environmental management in the workplace. Topics include: assessment, recognition, evaluation, and control of occupational hazards. The course provides students the opportunity to assess environmental factors or risks that can affect the workplace and to assess methods of prevention of occupational injuries and illnesses. Prerequisite or Co-requesite: HS 3403. Three lecture hours a week. Credit: Three hours.

HS 4743. Needs Assessiment, Planning, and Evaluation for Health Professionals. Required for BAS students only. Program development and evaluation for health professionals working in allied health, corporate health, or health promotion. Highlights needs assessment, theory application, goals and objectives, strategies for program implementation, and methods for program evaluation. Prerequisites: HS 4573, coordinator's approval, and cumulative GPA of 2.75. Three lecture hours a week. Credit: Three hours.

HS 4903. Special Topics. Examination of a topic of current interest relating to health studies. Requires searching library databases for peer-reviewed literature; analysis of the literature; and synthesis of information by way of a class project. Three lecture hours a week. Credit: Three hours.

HS 4911. Independent Study. Independent study in selected topics. Advisor approval required. Credit: One hour.

HS 4913. Independent Study. Independent study in selected topics. Advisor and instructor approval required. Credit: Three hours.

HS 4923. Capstone in Interprofessional Informatics. Culminating organization and/or community-based interdisciplinary/ interprofessional project supported through informatics and technology and applied to a specific domain to demonstrate knowledge and skills acquired in the informatics or health informatics program. Prerequisite: Taken after completion of all but the last 24 hours (SCHs) of the program. Three seminar hours a week. Credit: Three hours.

HS 4953. Cooperative Education. Credit: Three hours.

HS 4956. Cooperative Education. Credit: Six hours.

Faculty

Associate Professors

MASSEY-STOKES, MARILYN, Associate Professor of Health Studies. B.S., Southwestern Oklahoma State University; M.Ed., Southwestern Oklahoma State University; Ed.D., Oklahoma State University.

PARKER, KIMBERLY A., Associate Professor of Health Studies. B.S., South Carolina State University; M.P.H., University of South Carolina, Columbia; M.A., South Carolina State University; Ph.D., University of Georgia.

SHIPLEY, ROGER R., Associate Professor of Health Studies; Interim Chair of Health Studies. B.S., Western Maryland College; M.Ed., Western Maryland College; Ed.D., Temple University.

WIGINTON, KRISTIN L., Associate Professor of Health Studies. B.S.Ed., Baylor University; M.S.Ed., Baylor University; Ph.D., Texas Woman's University.

Assistant Professors

ANN, AMUTA O., M.P.H., Texas A & M University; Ph.D., Texas A & M University.

GOLMAN, MANDY A., Assistant Professor of Health Studies. B.A., University of Texas, Austin; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

MENN, MINDY, Assistant Professor of Health Studies. B.A., Texas A&M University; M.S., Texas A&M University; Ph.D., University of Florida, Gainesville.

Bachelor of Applied Science in Health Studies

Total Semester Credit Hours Required

120 semester credit hours.

Transfer Credit Accepted from Health Specialization

Up to 36 semester credit hours.

The courses in the health specialization are what counted for the associate's degree achieved. The following are examples, but not considered conclusive of the health fields that will transfer. Echocardiology Technology, Invasive Cardiovascular Technology, Diagnostic Medical Sonography, Medical Laboratory Technology, Respiratory Care, Emergency Medical Services, Health Information Management, Biotechnology, Radiology Services, Occupational Therapy Technician, Physical Therapy Technician, Medical staff services, and many more.

Bachelor of Applied Science in Health Studies Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO			1
HS 3403	Environmental Health and Safety Education		3
BUS 3003	Principles of Management		3
	Semester Credit Hours		14

Spring		**TCCN**	
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
ENG 1023	Composition II	ENGL 1302	3
GOV 2013	U.S. National Government	GOVT 2305	3
BACT 1003 & BACT 1001	Microbiology and Microbiology Laboratory	(BIOL 2320) and (BIOL 2120)	4
HS 4363	Consumer Health		3
	Semester Credit Hours		16
Second Year			
Fall		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
HS Elective (Upper Level)			3
ZOOL 2013 & ZOOL 2011	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	4
HS 4553	Stress Management Techniques		3
WS 2013	Gender and Social Change: An Introduction to Multicultural-Women's Studies		3
	Semester Credit Hours		16
Spring		**TCCN**	
PSY 1013	Introduction to General Psychology	PSYC 2301	3
Creative Arts			3
BUS 3013	Business Law and Ethics		3
BUS 3113	Principles of Marketing		3
	Semester Credit Hours		12
Third Year			
Fall		**TCCN**	
HS 4573	Occupational Risk Assessments		3
BUS 3163	Business Communications		3
Language, Philosophy, and Culture			3
HS Elective 2 (Upper Level)			3
	Semester Credit Hours		12
Spring		**TCCN**	
HS 4743	Needs Assessiment, Planning, and Evaluation for Health Professionals		3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
BUS 3273	Human Resource Management		3
General Elective			4
	Semester Credit Hours		13
	Total Semester Credit Hours:		83

Bachelor of Science in Health Studies (Community Health)

Total Semester Credit Hours Required

120 semester credit hours.

Required Core Health Studies Courses (55 semester credit hours)

HS 1363	Introduction to Health Education	3
HS 1902 & HS 1901	Fitness and Health: Enhancing Personal Wellness and Fitness and Health Laboratory	3
HS 2013	Health Communications	3
HS 2813	Introduction to Global Health	3
HS 3033	Medical Terminology	3
HS 3053	Community Health	3
HS 3073	Health Promotion Program Planning and Design	3
HS 3083	Program Evaluation in Health Promotion	3
HS 3413	Epidemiology	3
HS 4121	Preparation for Internship in Health Education	1
HS 4123	Internship in Health Education (Students must enroll in 4 section totaling 12 semester credit hours)	3
HS 4353	Grant Writing in Health Education	3
Select 12 semester credit hours from the following Health Studies electives (2 must be upper level):		12
HS 2373	Health Aspects of Human Sexuality	
HS 2383	Drugs and Human Health	
HS 3363	History and Principles of Health Education	
HS 3373	Health Promotion for Children	
HS 3403	Environmental Health and Safety Education	
HS 3443	Health Aspects of Aging	
HS 4363	Consumer Health	

HS 4483	Psychosocial Aspects of Mental Health	
HS 4553	Stress Management Techniques	
For the general education requirements, Community Health students must take the following courses:		
MATH 1703	Elementary Statistics I	3
HS 3133	Perspectives on Women's Health	3
PSY 1013	Introduction to General Psychology	3
BACT 1003 & BACT 1001	Microbiology and Microbiology Laboratory	4
CHEM 1013 & CHEM 1011	Introductory Chemistry and Introductory Chemistry Laboratory	4
ZOOL 2033 & ZOOL 2031	Human Anatomy and Physiology and Human Anatomy and Physiology Laboratory	4
PSY 1603	Developmental Psychology	3
or PSY 2513	Abnormal Psychology	
BUS 3003	Principles of Management	3
or BUS 3113	Principles of Marketing	
NFS 2323	Introduction to Nutrition	3
General Elective (2 semester credit hours)		2
Select 6 semester credit hours from the following:		6
SPAN 1013 & SPAN 1023	Elementary Spanish and Elementary Spanish	
COMS 4553 & COMS 4613	American Sign Language I and American Sign Language II	

Bachelor of Science in Health Studies (Community Health) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO			2
CHEM 1013 & CHEM 1011	Introductory Chemistry and Introductory Chemistry Laboratory	(CHEM 1305, CHEM 1405) and (CHEM 1105)	4
HS 1902 & HS 1901	Fitness and Health: Enhancing Personal Wellness and Fitness and Health Laboratory	(PHED 1304) and (PHED 1304)	3
	Semester Credit Hours		16

Spring		TCCN	
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
ENG 1023	Composition II	ENGL 1302	3
GOV 2013	U.S. National Government	GOVT 2305	3
BACT 1003 & BACT 1001	Microbiology and Microbiology Laboratory	(BIOL 2320) and (BIOL 2120)	4
HS 1363	Introduction to Health Education		3
	Semester Credit Hours		16

Second Year

Fall		TCCN	
GOV 2023	Texas Government	GOVT 2306	3
HS Elective			3
ZOOL 2033 & ZOOL 2031	Human Anatomy and Physiology and Human Anatomy and Physiology Laboratory		4
HS 2013	Health Communications		3
HS 3133	Perspectives on Women's Health		3
	Semester Credit Hours		16

Spring		TCCN	
PSY 1013	Introduction to General Psychology	PSYC 2301	3
Creative Arts			3
HS 3033	Medical Terminology		3
NFS 2323	Introduction to Nutrition	HECO 1322, BIOL 1322	3
HS 3053	Community Health		3
	Semester Credit Hours		15

Third Year

Fall		TCCN	
SPAN or COMS I			3
BUS 3003 or 3113	Principles of Management		3
Language, Philosophy, & Culture			3
HS 3073	Health Promotion Program Planning and Design		3

HS 3413	Epidemiology		3
	Semester Credit Hours		15
Spring		**TCCN**	
SPAN or COMS II			3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
PSY 1603 or 2513	Developmental Psychology	PSYC 2314	3
HS 2813	Introduction to Global Health		3
HS Elective 2			3
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
HS 3083	Program Evaluation in Health Promotion		3
HS 4353	Grant Writing in Health Education		3
HS 4121	Preparation for Internship in Health Education		1
General Elective			2
HS Elective 3 (Upper Level)			3
HS Elective 4 (Upper Level)			3
	Semester Credit Hours		15
Spring		**TCCN**	
HS 4123	Internship in Health Education		3
HS 4123	Internship in Health Education		3
HS 4123	Internship in Health Education		3
HS 4123	Internship in Health Education		3
	Semester Credit Hours		12
	Total Semester Credit Hours:		120

Bachelor of Science in Health Studies (Master's Preparation)

Total Semester Credit Hours Required

120 semester credit hours.

Bachelor of Science in Health Studies (Master's Preparation) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
ENG 1013	Composition I	ENGL 1301	3
PSY 1013	Introduction to General Psychology	PSYC 2301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO			2
HS 1902 & HS 1901	Fitness and Health: Enhancing Personal Wellness and Fitness and Health Laboratory	(PHED 1304) and (PHED 1304)	3
	Semester Credit Hours		15
Spring		**TCCN**	
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
ENG 1023	Composition II	ENGL 1302	3
GOV 2013	U.S. National Government	GOVT 2305	3
BACT 1003 & BACT 1001	Microbiology and Microbiology Laboratory	(BIOL 2320) and (BIOL 2120)	4
HS 1363	Introduction to Health Education		3
	Semester Credit Hours		16
Second Year			
Fall		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
HS Elective I			3
HS 2013	Health Communications		3
ZOOL 2031	Human Anatomy and Physiology Laboratory		1
ZOOL 2033	Human Anatomy and Physiology		3

HS 3133	Perspectives on Women's Health		3
	Semester Credit Hours		16
Spring		**TCCN**	
Master Prerequisites I			3
Creative Arts			3
HS 3033	Medical Terminology		3
NFS 2323	Introduction to Nutrition	HECO 1322, BIOL 1322	3
HS 3053	Community Health		3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
SPAN or COMS I			3
Master Prerequisites 2			3
Language, Philosophy, & Culture			3
HS 3073	Health Promotion Program Planning and Design		3
HS 3413	Epidemiology		3
	Semester Credit Hours		15
Spring		**TCCN**	
SPAN or COMS II			3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
PSY 1603 or 2513 (Abnormal Psychology)	Developmental Psychology	PSYC 2314	3
HS 2813	Introduction to Global Health		3
HS Elective 2			3
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
HS 3083	Program Evaluation in Health Promotion		3
HS 4353	Grant Writing in Health Education		3
HS 4121	Preparation for Internship in Health Education		1
Master Prerequisites 3			3
HS Elective 3 (Upper Level)			3
HS Elective 4 (Upper Level)			3
	Semester Credit Hours		16
Spring		**TCCN**	
HS 4123	Internship in Health Education		3
HS 4123	Internship in Health Education		3
HS 4123	Internship in Health Education		3
HS 4123	Internship in Health Education		3
	Semester Credit Hours		12
	Total Semester Credit Hours:		120

Bachelor of Science in Health Studies (Master's Preparation Occupational Therapy)

Bachelor of Science in Health Studies (Master's Preparation Occupational Therapy) Program of Study

Total Semester Credit Hours Required

120 semester credit hours.

First Year			
Fall		**TCCN**	**Semester Credit Hours**
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO			2
BACT 1003 & BACT 1001	Microbiology and Microbiology Laboratory	(BIOL 2320) and (BIOL 2120)	4
HS 1363	Introduction to Health Education		3
	Semester Credit Hours		16
Spring		**TCCN**	
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
ENG 1023	Composition II	ENGL 1302	3
GOV 2013	U.S. National Government	GOVT 2305	3

HS 1902 & HS 1901	Fitness and Health: Enhancing Personal Wellness and Fitness and Health Laboratory	(PHED 1304) and (PHED 1304)	3
	Semester Credit Hours		12

Second Year

Fall		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
ZOOL 2013 & ZOOL 2011	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	4
NFS 2323	Introduction to Nutrition	HECO 1322, BIOL 1322	3
HS 2013	Health Communications		3
HS 3133	Perspectives on Women's Health		3
	Semester Credit Hours		16

Spring		**TCCN**	
PSY 1013	Introduction to General Psychology	PSYC 2301	3
Creative Arts			3
ZOOL 2023 & ZOOL 2021	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	(BIOL 2302, BIOL 2402) and (BIOL 2102)	4
HS 3033	Medical Terminology		3
HS 3053	Community Health		3
	Semester Credit Hours		16

Third Year

Fall		**TCCN**	
SPAN or COMS I			3
Language, Philosophy, & Culture			3
KINS 3623	Scientific Foundations of Human Movement		3
General Elective			1
HS 3073	Health Promotion Program Planning and Design		3
HS 3413	Epidemiology		3
	Semester Credit Hours		16

Spring		**TCCN**	
SPAN or COMS II			3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
PSY 1603	Developmental Psychology	PSYC 2314	3
HS 2813	Introduction to Global Health		3
HS Elective 1 (Upper Level)			3
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
HS 3083	Program Evaluation in Health Promotion		3
HS 4353	Grant Writing in Health Education		3
HS 4121	Preparation for Internship in Health Education		1
ZOOL 3123 & ZOOL 3121	Neuroanatomy and Neurophysiology and Neuroanatomy and Neurophysiology Laboratory		4
PSY 2513	Abnormal Psychology		3
HS Elective 2 (Upper Level)			3
	Semester Credit Hours		17

Spring		**TCCN**	
HS 4123	Internship in Health Education		3
HS 4123	Internship in Health Education		3
HS 4123	Internship in Health Education		3
HS 4123	Internship in Health Education		3
	Semester Credit Hours		12
	Total Semester Credit Hours:		120

Bachelor of Science in Health Studies (EC-12 Health Certification)

Total Semester Credit Hours Required

120 semester credit hours.

Bachelor of Science in Health Studies (EC-12 Health Certification) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO			2
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
ENG 1013	Composition I	ENGL 1301	3
BACT 1003 & BACT 1001	Microbiology and Microbiology Laboratory	(BIOL 2320) and (BIOL 2120)	4
HS 1902 & HS 1901	Fitness and Health: Enhancing Personal Wellness and Fitness and Health Laboratory	(PHED 1304) and (PHED 1304)	3
	Semester Credit Hours		16
Spring		**TCCN**	
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
ENG 1023	Composition II	ENGL 1302	3
GOV 2013	U.S. National Government	GOVT 2305	3
HS 1363	Introduction to Health Education		3
HS 2013	Health Communications		3
General Elective			1
	Semester Credit Hours		16

Second Year

Fall		TCCN	
GOV 2023	Texas Government	GOVT 2306	3
ZOOL 2033 & ZOOL 2031	Human Anatomy and Physiology and Human Anatomy and Physiology Laboratory		4
NFS 2323	Introduction to Nutrition	HECO 1322, BIOL 1322	3
HS Elective			3
HS 3133	Perspectives on Women's Health		3
	Semester Credit Hours		16
Spring		**TCCN**	
PSY 1013	Introduction to General Psychology	PSYC 2301	3
Creative Arts			3
HS 3373	Health Promotion for Children		3
HS 3033	Medical Terminology		3
HS 3053	Community Health		3
	Semester Credit Hours		15

Third Year

Fall		TCCN	
SPAN or COMS I			3
HS 3403	Environmental Health and Safety Education		3
Language, Philosophy, & Culture			3
HS 3073	Health Promotion Program Planning and Design		3
HS 3413	Epidemiology		3
	Semester Credit Hours		15
Spring		**TCCN**	
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
HS 3083	Program Evaluation in Health Promotion		3
PSY 1603 or 2513	Developmental Psychology	PSYC 2314	3
HS 2813	Introduction to Global Health		3
EDUC 2003	Schools and Society	EDUC 1301	3
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
HS 4353	Grant Writing in Health Education		3
HS 4121	Preparation for Internship in Health Education		1
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
	Semester Credit Hours		15
Spring		**TCCN**	
EDUC 4243	Classroom Environment and Management		3
READ 3013	Literacy and Learning across the Curriculum		3
EDUC 4836	Student Teaching: All-Level Kinesiology		6
	Semester Credit Hours		12
	Total Semester Credit Hours:		120

Department of Kinesiology

Web Site: http://www.twu.edu/kinesiology/

Interim Co-Chairs: *David Nichols, Professor; Kyle Biggerstaff, Associate Professor*
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Undergraduate Degrees Offered

- B.S. in Kinesiology (Exercise Science) (p. 306)
- B.S. in Kinesiology (Exercise Science, Pre-Physical Therapy) (p. 308)
- B.S. in Kinesiology with EC-12 Teaching/Coaching Academy Certification (p. 309)

University Wellness Activities In Kinesiology

A knowledge of the principles of effective movement through wellness, fitness, sport, and leisure as these relate to the social and economic issues is fundamental to general education. The Centers for Disease Control and Prevention and the American College of Sports Medicine and the U.S. Surgeon General have concluded that physical activity protects against chronic diseases. There are a variety of wellness/fitness classes available that integrate the core of knowledge derived from the study of human movement and provide options and experiences known to promote healthy lifestyles. Special classes are available for students with physical disabilities. Students are encouraged to take wellness activity courses throughout their college experience. These courses have pass/fail options and are designed for individual goal achievement.

Professional Programs

Major programs in kinesiology lead to the Bachelor of Science, Master of Science, and Doctor of Philosophy degrees.

The undergraduate Kinesiology degree program includes an academic core of kinesiology basic to the movement sciences. Students study a variety of scientifically-based subjects including adapted physical activity, biomechanics, exercise physiology, physical education pedagogy, and motor learning. A degree in Kinesiology leads to entry level positions in various professions such as Exercise Science, Corporate Fitness, Cardiac Rehabilitation, Physical Education Teacher Certification, Coaching, Athletic Training, and Adapted Physical Education.

Undergraduate students who plan to pursue careers in corporate fitness or health care settings in the private sector such as corporate fitness, cardiac rehabilitation or sports medicine will choose the exercise science specialization. These students will take the Kinesiology core and a sequence of classroom and applied experiences in exercise-related settings. Further, there are specialized program tracks allowing students to meet all prerequisites required for admission to entry-level graduate programs in Physical Therapy and Occupational Therapy. Many employers with which the University affiliates require that students be tested for drugs and have criminal background checks. When this is required, students will have the screening done at their own expense.

The Teaching & Coaching Academy Certification track is appropriate for students desiring to teach and coach. Teacher certification students will enroll in the Kinesiology core and specific technique and theory courses designed for positions in elementary through secondary physical education. Students in the teacher certification track will also have a pedagogy and professional responsibility component.

Each program track must fulfill the general university requirements for graduation, including a minimum total of 120 semester credit hours. These requirements and the requirements for teaching certification are found in earlier sections of the catalog.

The Kinesiology major qualifies students for a variety of graduate programs including Adapted Physical Activity, Biomechanics, Exercise Physiology, Pedagogy, Coaching, and Sport Management, Exercise and Sports Nutrition. For information on the graduate program, please refer to the Graduate Catalog (http://catalog.twu.edu/graduate).

Kinesiology Program Tracks

The Department of Kinesiology has different program tracks that fulfill the requirements for the B.S. in Kinesiology degree. They are as follows:

- Exercise Science Track
- Exercise Science – Pre-Physical Therapy Track
- Teaching-Coaching Academy Certification Track

An Undergraduate Certificate Program in Adapted Physical Education is available for students enrolled in the Teaching-Coaching Academy track that leads to a B.S. in Kinesiology. The certificate program is infused throughout the program of study with designated courses in Adapted Physical Education and Special Education.

Admissions

Please see Admission (p. 18) section of this catalog. The same standards for admission to the University apply to the Department of Kinesiology.

Minors

Kinesiology Minor

A minor in Kinesiology requires 18 semester credit hours (see Kinesiology Undergraduate Advisor)

Note: KINS courses for the minor may require prerequisite courses.

Certificates

Undergraduate Certificate Program in Outdoor Adventure Leadership

The Outdoor Adventure Leadership Certificate will provide learning opportunities through practical experiences that will build specialized skills that can be utilized in outdoor activities including climbing, camping, hiking, and challenge course facilitation. Students who complete the program will have the knowledge and skills to be a leader in outdoor adventure organizations such as parks and recreation,

churches, university outdoor programs, educational settings and many other outdoor activity based programs.

The certificate program is open to all TWU students. In addition to a classroom learning environment, students will participate in outdoor activities that will encourage leadership, group dynamics, conflict resolution, communication, organization and teamwork. Students will also have the opportunity to apply their skills in a real world setting through an outdoor leadership immersion course.

Curriculum Requirements

- KINS 1311 Introduction to Camping/Backpacking
- KINS 1441 Introduction to Water Activities
- KINS 2132 Outdoor Adventure Activities
- KINS 3303 Leadership through Experiential Learning
- KINS 3313 Wildnerness First Responder
- KINS 3553 Exercise and Sport Psychology
- KINS 3323 Outdoor Leadership Immersion

Courses

KINS 1311. Physical Activity: Personal Fitness. Designed for the general university student. Instruction offered at all levels of skill; emphasis upon the development of total fitness and recreational skills for leisure use. Personal equipment and clothing for most activity courses must be supplied by the student. May be repeated for additional credit. Pass/Fail option available. Three laboratory hours a week. Credit: One hour.

KINS 1441. Physical Activity: Aquatics. (TCCN PHED 1152) Designed for the general university student. Instruction offered at all levels of skill; emphasis upon the development of total fitness and recreational skills for leisure use. Personal equipment and clothing for most activity courses must be supplied by the student. May be repeated for additional credit. Pass/Fail option available. Three laboratory hours a week. Credit: One hour.

KINS 1583. Foundations of Assessment in Kinesiology. Introductory techniques for inclusionary assessments of fundamental motor skills, physical activity, physical fitness, and other related skills in kinesiology across the lifespan. Prerequisite: Kinesiology major or permission of instructor. Two lecture and four laboratory hours a week. Credit: Three hours.

KINS 1683. Strength Training and Functional Anatomy. Form and function of the musculoskeletal system and major muscle groups, their actions, and exercises to improve strength, power, and endurance. Basic physiology of exercise and adaptations to exercise training. Planning and critiquing contemporary fitness programs for various populations. Two lecture and three laboratory hours a week. Credit: Three hours.

KINS 1801. Introduction to Kinesiology. Introduction of Exercise Science and Kinesiology through the historical evolution of the field: description of areas of study in the major subdisciplines (i.e., Biomechanics. Adapted Physical Activity/Education, Exercise Physiology, etc.); career options within Kinesiology. One lecture hour a week. Credit: One hour.

KINS 1901. Fitness and Health Laboratory. (TCCN PHED 1164, PHED 1301) Activities and laboratories designed to illustrate and experience the balanced approach to fitness and health. Three activity/laboratory hours a week. Credit: One hour.

KINS 1902. Fitness and Health: Enhancing Personal Wellness. (TCCN PHED 1238, PHED 1301) Introduces basic concepts of fitness, health, and nutrition; develops understandings necessary for making wise decisions and establishing individually appropriate practices that contribute to a healthful lifestyle throughout the lifespan. Wellness issues that affect women and reflect cultural values are addressed. Two lecture hours a week. Credit: Two hours.

KINS 1931. Weight Training. Designed for the general university student. Instruction offered at all levels of skills; emphasis on the development of total physical fitness and recreational skills through participation in weight training. May be repeated for additional credit. Pass/Fail option available. Three laboratory hours a week. Credit: One hour.

KINS 2112. Team Sports. Introduction to selected team sports that provide opportunities to learn rules, skills, progressions, strategies, and analysis techniques. One lecture and two laboratory hours a week. Credit: Two hours.

KINS 2122. Individual and Dual Sports. Introduction to selected individual/dual sports that provide opportunities to learn rules, skill breakdown, progressions, strategies, and analysis techniques. One lecture and two laboratory hours a week. Credit: Two hours.

KINS 2132. Outdoor Adventure Activities. Introduction to outdoor adventure activities that provide opportunities for challenge, personal growth, leadership skills, teamwork, and a physically-active lifestyle; promotion of a respect for the environment. One lecture and two laboratory hours a week. Credit: Two hours.

KINS 2143. Disability Sport and Modified Games. Disability sports (e.g., wheelchair basketball, soccer, and football; goalball for blind; and sitting volleyball) and methods to modify general physical education curricula to include disability sport. Two lecture and two laboratory hours a week. Credit: Three hours.

KINS 2621. Motor and Aquatic APE Instructional Lab. On-campus experience working with students with disabilities in both motor and aquatic environments. Individualized educational programs and lesson plans based on assessments. Prerequisites: KINS 1583 and KINS 1801. Co-requisite: KINS 2623. Three laboratory hours a week. Credit: One hour.

KINS 2623. Adapted Physical Activity. Characteristics of individuals across the lifespan; physical activity in the least restrictive environment; leisure recreation, sports, and fitness for individuals with disabilities. Prerequisites: KINS 1583 and KINS 1801. Co-requisite: KINS 2621. Three lecture hours a week. Credit: Three hours.

KINS 2722. Methods of Exercise Leadership. Development and implementation of individualized and group exercise leadership skills; demonstration of safe and effective methods of exercise while applying principles of exercise science; writing appropriate exercise recommendations and providing appropriate motivation. Prerequisite: KINS 1683. One lecture and three laboratory hours a week. Credit: Two hours.

KINS 3101. Practicum in Secondary Physical Education. Development of pedagogical strategies and direct application in middle and/or high school physical education contexts. Emphasis on the developing skills needed to effectively instruct and manage secondary physical education classes in the schools. Co-requisite: KINS 3103. Three practicum hours a week. Credit: One hour.

KINS 3103. Secondary Methods in Physical Education. Instruction, curriculum, planning, assessment, and classroom management for secondary physical education programs. Co-requisite: KINS 3101. Three lecture hours a week. Credit: Three hours.

KINS 3201. Practicum in Elementary Physical Education. Development of pedagogical strategies and direct application in elementary school physical education contexts. Emphasis on the developing skills needed to effectively instruct and manage elementary physical education classes in the schools. Co-requisite: KINS 3203. Three practicum hours a week. Credit: One hour.

KINS 3203. Elementary Methods in Physical Education. Instruction, curriculum, planning, assessment, and classroom management for elementary physical education programs. Co-requisite: KINS 3201. Three lecture hours a week. Credit: Three hours.

KINS 3303. Leadership through Experiential Activities. Experiential education model applied to challenge course activities. Processing skills, design, and creation of experiential activities through which participants learn by doing physically challenging and problem solving group activities. Focus on goal setting, open and clear communication, cooperative relationships, and participative leadership. Prerequisite: Junior status or consent of instructor. Three lecture hours a week. Credit: Three hours.

KINS 3313. Wilderness First Responder. Utilization of principles of long-term care, improvised resources, and varying environmental conditions as the framework for learning; prevention and decision-making in the outdoors and other outdoor recreational settings. Prerequisite: KINS 3303. Three lecture and one laboratory hour a week. Credit: Three hours.

KINS 3323. Outdoor Leadership Immersion. Application of course content in Outdoor Adventure Certificate program including group development theory, decision-making skills, experiential education, and group facilitation strategies during a real world ten-day outdoor leadership experience. Prerequisite: KINS 3313. One lecture and five laboratory hours a week. Credit: Three hours.

KINS 3403. Practicum in Athletic Training. Application of principles of athletic training. Assist staff with prevention, care, and rehabilitation of athletic injuries for athletic teams. Fundamentals and applications of modalities and rehabilitation in program design. Nine practicum hours a week. Credit: Three hours.

KINS 3553. Exercise and Sport Psychology. Psychological perspective on exercise, physical activity, and sport. Behavior change strategies to promote initiation and adherence to lifetime physical activity. Intervention strategies to aid in human performance and effectiveness in sport and physical activity. Three lecture hours a week. Credit: Three hours.

KINS 3583. Health and Physical Activity for Children and Adolescents. Provides a theoretical and practical base for designing and implementing health and movement activities. Addresses planning, implementation, and evaluation of developmentally appropriate activities and sequencing in health and physical education settings. Prerequisite: Junior status. Three lecture hours a week. Credit: Three hours.

KINS 3591. Biomechanics Laboratory. Co-requisite: KINS 3593. Three laboratory hours a week. Credit: One hour.

KINS 3593. Biomechanics of Human Body and Motion. Scientific study of human body and motion in mechanical perspective; analysis and understanding of the human mobility system; mechanical laws and principles and their application to human body motion; analysis methods for human body motion. Prerequisites: ZOOL 2013, ZOOL 2011, ZOOL 2023, and ZOOL 2021; or equivalent, with a grade of C or higher. Co-requisite: KINS 3591. Three lecture hours a week. Credit: Three hours.

KINS 3601. Physiology of Exercise Laboratory. Co-requisite: KINS 3603. Three laboratory hours a week. Credit: One hour.

KINS 3603. Physiology of Exercise. Physiological effects of exercise upon the human body; basic physiological concepts and their relationship to the kinesiology program. Prerequisites: ZOOL 2013, ZOOL 2011, ZOOL 2023, ZOOL 2021, with a grade of C or higher. Co-requisite: KINS 3601. Three lecture hours a week. Credit: Three hours.

KINS 3623. Scientific Foundations of Human Movement. Scientific foundations of human movement as described by anatomical, biomechanical, and physiological analysis. Application of physical and physiological concepts to human movement for those seeking a career in occupational therapy and to motor and sports skills for the physical education teacher and sport coach. Prerequisites: ZOOL 2013 and ZOOL 2023. Three lecture hours a week. Credit: Three hours.

KINS 3653. Principles of Coaching. Includes coaching philosophy, communication, motivation, sport physiology, planning, sport nutrition, and management. Designed for coaches at all levels. Prerequisites: KINS 1583 and junior status. Three lecture hours a week. Credit: Three hours.

KINS 3701. Practicum in Senior Adult Fitness. Contemporary issues in senior adult fitness related to community physical activity and wellness programming. A pre-internship practicum to introduce the practical experiences with older adults in a supervised university/community setting. Prerequisites or Co-requisites: KINS 3603 and KINS 3601. Three practicum hours a week. Credit: Three hours.

KINS 3713. Sport and Fitness Management. Management and operations of the sport and fitness enterprise. Fundamental management principles and concepts including personnel management, marketing and communication principles, financial management, legal issues, facility and event operations, socio-cultural issues, industry trends, and career opportunities. Three lecture hours a week. Credit: Three hours.

KINS 3801. Practicum in Coaching. Prerequisite or Co-requisite: KINS 3653. Credit: One hour.

KINS 3803. Practicum in Coaching. Prerequisite or Co-requisite: KINS 3653. Credit: Three hours.

KINS 4573. Motor Learning and Development. Changes and characteristics of motor behavior from infancy to adulthood. Effects of the individual's personality traits, and generic and environmental factors on the learning of motor skills. Two lecture and two laboratory hours a week. Credit: Three hours.

KINS 4601. Advanced Exercise Physiology Laboratory. Exercise physiology laboratory experiences pertaining to the administration of graded exercise tests and interpretation of results; exercise prescription; electrocardiographic interpretation; measurement of lactic acid, hematocrit, and hemoglobin at rest and during exercise. Co-requisite: KINS 4603 or KINS 4602. Three laboratory hours a week. Credit: One hour.

KINS 4603. Advanced Exercise Physiology. Study of lifestyle-related diseases and risk factors. Emphasis will be on the cardiovascular system. Basic ECG interpretation. Prerequisite: KINS 3603 with a grade of C or higher. Co-requisite: KINS 4601. Three lecture hours a week. Credit: Three hours.

KINS 4701. Exercise Testing and Prescription for General and Special Populations Laboratory. To enhance careers in cardiac rehabilitation or corporate fitness. Content centers around diverse populations, both normal, healthy, and special populations with a variety of abilities and disabilities. Laboratory techniques of exercise testing with expectation that students will perform exercise testing procedures. Skills and abilities pertaining to ACSM Certified Exercise Physiologist. Prerequisites: KINS 3602 and KINS 3601. Co-requisite: KINS 4702 or KINS 4703. Three laboratory hours a week. Credit: One hour.

KINS 4703. Exercise Testing and Prescription. Methodology of exercise testing and exercise prescription with a focus on diverse populations both healthy and special populations with a variety of abilities and disabilities. Designed for Kinesiology maiors, primarily Exercise Science Track. Must be completed prior to internship. Prerequisite: KINS 3603 with a grade of C or higher. Co-requisite: KINS 4701. Three lecture hours a week. Credit: Three hours.

KINS 4801. Disability Sport Internship. Designed to provide a student with enhanced information regarding aquatics and sport for individuals with disabilities. Three laboratory hours a week. Credit: One hour.

KINS 4811. Inclusion in Physical Education Internship. Designed to provide a student with enhanced knowledge and experiences related to inclusionary physical education programming. Prerequisite: KINS 2621 and KINS 2623. Three practicum hours a week. Credit: One hour.

KINS 4821. Motor and Physical Assessment of Individuals with Special Needs Internship. Designed to provide a student with enhanced information and experiences regarding the assessment process of individuals with disabilities. Prerequisites: KINS 2623 and KINS 2621. Three practicum hours a week. Credit: One hour.

KINS 4822. Assessment in Adapted Physical Education. Establishing appropriate service for students with disabilities in physical education through assessment. Practice in administration of motor and/or fitness assessments. Requires developing and conducting a detailed IEP, assessment report, and programming recommendations. Prerequisites: KINS 2623 and KINS 2621. Co-requisite: KINS 4821. Two practicum hours a week. Credit: Two hours.

KINS 4823. Exercise Assessment and Program Development for Special Populations. Fitness assessment, program development and implementation for individuals with disabilities and/or related conditions in a clinical setting such as community health club or wellness center. Prerequisites: KINS 2623 and KINS 2621, or KINS 2622 and KINS 2621; and KINS 3603 and KINS 3601, or KINS 3602 and KINS 3601; with a grade of C or higher in each. Two lecture and two laboratory hours a week. Credit: Three hours.

KINS 4903. Special Topics. Three lecture hours a week. Credit: Three hours.

KINS 4911. Independent Study. Study of a specific topic in kinesiology leading to the solution of a problem of interest to the profession or the student. Prerequisite: Permission of instructor. May be repeated for additional credit. Credit: One hour.

KINS 4913. Independent Study. Study of a specific topic in Kinesiology leading to the solution of a problem of interest to the profession or the student. Prerequisite: Permission of the instructor. May be repeated for additional credit. Credit: Three hours.

KINS 4933. Internship in Cardiac Rehabilitation. Internship in hospital-based Cardiac Rehabilitation and related activities. Minimum of 175 contact hours required; must have 350 contact hours when combined with KINS 4943 Internship in Corporate Fitness. Kinesiology majors specializing in Exercise Science only. Prerequisites: KINS 3701, KINS 4603, and KINS 4601 with a grade of C or higher. Nine practicum hours a week. Credit: Three hours.

KINS 4943. Internship in Corporate Fitness. Internship in Corporate Fitness and related activities. Minimum of 175 contact hours required; must have 350 contact hours when combined with KINS 4933 Internship in Cardiac Rehabilitation. Kinesiology majors specializing in Exercise Science only. Prerequisites: KINS 3701, KINS 4701, and KINS 4703 with a grade of C or higher. Nine practicum hours a week. Credit: Three hours.

Faculty

Professors

BEN-EZRA, VICTOR, Professor of Kinesiology. B.S., City University of New York City College; M.S., Springfield College; Ph.D., University of Maryland, College Park.

DAVIS, RONALD W., Professor of Kinesiology. B.S., University of Wisconsin, Oshkosh; M.S., University of Wisconsin, LaCrosse; Ph.D., Texas Woman's University.

KWON, YOUNG-HOO, Professor of Kinesiology. B.S., Seoul National University; M.Ed., Seoul National University; Ph.D., Pennsylvania State University, University Park.

MILOCH, KIMBERLY S., Professor of Kinesiology; Director of Quality Enhancement Programs. B.A., Southwest Texas State University; M.S., Baylor University; Ph.D., Florida State University.

NICHOLS, DAVID L., Professor of Kinesiology; Interim Co-chair, Department of Kinesiology. B.S., Central State University, Oklahoma; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

RAY, CHRISTOPHER T., Professor of Kinesiology; Dean of the College of Health Science. B.S., University of Tennessee; M.S. University of Tennessee; Ph.D., University of Georgia.

SENNE, TERRY A., Professor of Kinesiology; Director of Academic Assessment. B.S., George Williams College; M.S., University of Illinois, Chicago; Ph.D., North Carolina State University.

SILLIMAN-FRENCH, LISA M., Professor of Kinesiology. B.S., State University of New York College at Cortland; M.A., Texas Woman's University; Ph.D., Texas Woman's University.

Associate Professor

BIGGERSTAFF, KYLE D., Associate Professor of Kinesiology; Interim Co-chair, Department of Kinesiology. B.A., Southern Methodist University; M.S., University of North Texas; Ph.D., Florida State University.

Assistant Professors

BECKER, KEVIN, Assistant Professor of Kinesiology. B.S., University of Wisconsin-LaCrosse; M.S., Illinois State University; Ph.D., University of Tennessee-Knoxville.

DILLON, SUZANNA, Assistant Professor of Kinesiology. B.S., Alma College; M.A., Western Michigan University; Ph.D., Texas Woman's Univeristy.

MANN, MARK D., Assistant Professor of Kinesiology. B.A., Southwestern University; M.A., Southern Nazarene University; M.S., Nova Southeastern University; M.S., Pittsburg State University; Ed.D., Oklahoma State University; Ph.D., University of Arkansas.

RIGBY, BRANDON RHETT, Assistant Professor of Kinesiology. B.S., LeTourneau University; M.S., Baylor University; Ph.D., Baylor University.

WEATHERFORD, GWENDOLYN, Assistant Professor of Kinesiology. B.S., Texas A&M, Commerce; M.S., Texas A&M, Commerce; Ph.D., Texas Woman's University.

Lecturer

BROWN, KATHRYN G., Senior Lecturer of Kinesiology. B.S., Oklahoma Panhandle State University; M.S., Oklahoma State University; M.Ed., Northwestern Oklahoma State University.

Associate Clinical Professor

COFFEY, KATHERINE, Associate Clinical Professor of Kinesiology. B.S., Indiana University; M.S., Indiana University; Ph.D., Indiana University.

Assistant Clinical Professor

GILLASPY, JESSICA, Assistant Clinical Professor of Kinesiology. B.S., University of North Texas; M.S., University of West Florida.

Bachelor of Science in Kinesiology (Exercise Science)

Total Semester Credit Hours Required

120 semester credit hours.

Major

48 semester credit hours.

Bachelor of Science in Kinesiology (Exercise Science) Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
CHEM 1013 & CHEM 1011	Introductory Chemistry and Introductory Chemistry Laboratory	(CHEM 1305, CHEM 1405) and (CHEM 1105)	4
KINS 1902	Fitness and Health: Enhancing Personal Wellness	PHED 1238, PHED 1301	2
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
PSY 1013	Introduction to General Psychology	PSYC 2301	3
KINS 1801	Introduction to Kinesiology		1
KINS 1311	Physical Activity: Personal Fitness		1
	Semester Credit Hours		15
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
KINS 1683	Strength Training and Functional Anatomy		3
KINS 1583	Foundations of Assessment in Kinesiology		3
CHEM 1023 & CHEM 1021	Introduction to Organic and Physiological Chemistry and Introduction to Organic and Physiological Chemistry Laboratory	(CHEM 1307) and (CHEM 1107)	4
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
	Semester Credit Hours		16
Second Year			
Fall		**TCCN**	
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
ZOOL 2013 & ZOOL 2011	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	4
KINS 2623	Adapted Physical Activity		3
KINS 2621	Motor and Aquatic APE Instructional Lab		1

WS 2013	Gender and Social Change: An Introduction to Multicultural-Women's Studies		3
KINS 2722	Methods of Exercise Leadership		2
	Semester Credit Hours		16
Spring		**TCCN**	
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
NFS 2323	Introduction to Nutrition	HECO 1322, BIOL 1322	3
ZOOL 2023 & ZOOL 2021	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	(BIOL 2302, BIOL 2402) and (BIOL 2102)	4
KINS 2143	Disability Sport and Modified Games		3
PSY 1603	Developmental Psychology	PSYC 2314	3
	Semester Credit Hours		16
Third Year			
Fall		**TCCN**	
KINS 3603 & KINS 3601	Physiology of Exercise and Physiology of Exercise Laboratory		4
KINS 3701	Practicum in Senior Adult Fitness		1
NFS 3163	Sports Nutrition		3
GOV 2013	U.S. National Government	GOVT 2305	3
KINS 3553	Exercise and Sport Psychology		3
MU 3713 (GP)	Music and World Cultures		3
	Semester Credit Hours		17
Spring		**TCCN**	
KINS 3593 & KINS 3591	Biomechanics of Human Body and Motion and Biomechanics Laboratory		4
KINS 3303	Leadership through Experiential Activities		3
KINS 3713	Sport and Fitness Management		3
GOV 2023	Texas Government	GOVT 2306	3
KINS 4703	Exercise Testing and Prescription		3
KINS 4701	Exercise Testing and Prescription for General and Special Populations Laboratory		1
	Semester Credit Hours		17
Fourth Year			
Fall		**TCCN**	
PHIL 3073	Bioethics		3
ZOOL 3123 & ZOOL 3121	Neuroanatomy and Neurophysiology and Neuroanatomy and Neurophysiology Laboratory		4
KINS 4823	Exercise Assessment and Program Development for Special Populations		3
KINS 4603	Advanced Exercise Physiology		3
KINS 4601	Advanced Exercise Physiology Laboratory		1
Elective			3
	Semester Credit Hours		17
Spring		**TCCN**	
KINS 4933	Internship in Cardiac Rehabilitation		3
KINS 4943	Internship in Corporate Fitness		3
	Semester Credit Hours		6
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Kinesiology (Exercise Science, Pre-Physical Therapy)

Total Semester Credit Hours Required

120 semester credit hours.

Major

47 semster credit hours.

Bachelor of Science in Kinesiology (Exercise Science, Pre-Physical Therapy) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
Select one of the following:			4
CHEM 1013 & CHEM 1011	Introductory Chemistry and Introductory Chemistry Laboratory	(CHEM 1305, CHEM 1405) and (CHEM 1105)	
CHEM 1113 & CHEM 1111	General Chemistry I and General Chemistry Laboratory I	(CHEM 1311, CHEM 1411) and (CHEM 1111)	
ENG 1013	Composition I	ENGL 1301	3
MATH 1303	Elementary Analysis I	MATH 1314, MATH 1414	3
UNIV 1231 or KINS 1901	Learning Frameworks: The First Year Experience	(EDUC 1100, EDUC 1200, EDUC 1300) or (PHED 1164, PHED 1301)	1
KINS 1902	Fitness and Health: Enhancing Personal Wellness	PHED 1238, PHED 1301	2
KINS 1801	Introduction to Kinesiology		1
PSY 1013	Introduction to General Psychology	PSYC 2301	3
	Semester Credit Hours		17
Spring		**TCCN**	
Select one of the following:			4
CHEM 1023 & CHEM 1021	Introduction to Organic and Physiological Chemistry and Introduction to Organic and Physiological Chemistry Laboratory	(CHEM 1307) and (CHEM 1107)	
CHEM 1123 & CHEM 1121	General Chemistry II and General Chemistry Laboratory II	(CHEM 1312, CHEM 1412) and (CHEM 1112)	
ENG 1023	Composition II	ENGL 1302	3
MATH 1313	Elementary Analysis II	MATH 1316	3
KINS 1683	Strength Training and Functional Anatomy		3
KINS 1583	Foundations of Assessment in Kinesiology		3
	Semester Credit Hours		16

Second Year

Fall		**TCCN**	
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
PHYS 1133 & PHYS 1131	Principles of Physics I and Principles of Physics Laboratory I	(PHYS 1301, PHYS 1401) and (PHYS 1101)	4
ZOOL 2013 & ZOOL 2011	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	4
KINS 2623	Adapted Physical Activity		3
KINS 2621	Motor and Aquatic APE Instructional Lab		1
	Semester Credit Hours		15
Spring		**TCCN**	
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
PHYS 1143 & PHYS 1141	Principles of Physics II and Principles of Physics Laboratory II	(PHYS 1302, PHYS 1402) and (PHYS 1102)	4

ZOOL 2023 & ZOOL 2021	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	(BIOL 2302, BIOL 2402) and (BIOL 2102)	4
KINS 2143	Disability Sport and Modified Games		3
KINS 2722	Methods of Exercise Leadership		2
	Semester Credit Hours		16
Third Year			
Fall		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
WS 2013 (GP)	Gender and Social Change: An Introduction to Multicultural-Women's Studies		3
PSY 1603	Developmental Psychology	PSYC 2314	3
KINS 3603 & KINS 3601	Physiology of Exercise and Physiology of Exercise Laboratory		4
	Semester Credit Hours		16
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
PHIL 3073	Bioethics		3
ZOOL 3123 & ZOOL 3121	Neuroanatomy and Neurophysiology and Neuroanatomy and Neurophysiology Laboratory		4
KINS 3593 & KINS 3591	Biomechanics of Human Body and Motion and Biomechanics Laboratory		4
KINS 4703	Exercise Testing and Prescription		3
KINS 4701	Exercise Testing and Prescription for General and Special Populations Laboratory		1
	Semester Credit Hours		18
Fourth Year			
Fall		**TCCN**	
KINS 3553	Exercise and Sport Psychology		3
KINS 4603	Advanced Exercise Physiology		3
KINS 3713	Sport and Fitness Management		3
KINS 4823	Exercise Assessment and Program Development for Special Populations		3
MU 3713	Music and World Cultures		3
KINS 4601	Advanced Exercise Physiology Laboratory		1
	Semester Credit Hours		16
Spring		**TCCN**	
KINS 4933	Internship in Cardiac Rehabilitation		3
KINS 4943	Internship in Corporate Fitness		3
	Semester Credit Hours		6
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Kinesiology (EC-12 Teaching/ Coaching Academy Certification)

Total Semester Credit Hours Required

120 semester credit hours.

Major

53 semester credit hours.

Bachelor of Science in Kinesiology (EC-12 Teaching/Coaching Academy Certification) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
KINS 1902	Fitness and Health: Enhancing Personal Wellness	PHED 1238, PHED 1301	2
KINS 1311	Physical Activity: Personal Fitness		1
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
KINS 2122	Individual and Dual Sports		2
KINS 1801	Introduction to Kinesiology		1
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
GOV 2013	U.S. National Government	GOVT 2305	3
KINS 1583	Foundations of Assessment in Kinesiology		3
KINS 1683	Strength Training and Functional Anatomy		3
KINS 2112	Team Sports		2
	Semester Credit Hours		17

Second Year

Fall		TCCN	
ZOOL 2013 & ZOOL 2011	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	4
SOCI 1013	Introductory Sociology	SOCI 1301	3
KINS 2623	Adapted Physical Activity		3
KINS 2621	Motor and Aquatic APE Instructional Lab		1
EDUC 2003	Schools and Society	EDUC 1301	3
WS 2013 (GP)	Gender and Social Change: An Introduction to Multicultural-Women's Studies		3
	Semester Credit Hours		17
Spring		**TCCN**	
ZOOL 2023 & ZOOL 2021	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	(BIOL 2302, BIOL 2402) and (BIOL 2102)	4
KINS 2143	Disability Sport and Modified Games		3
READ 3013	Literacy and Learning across the Curriculum		3
KINS 3203	Elementary Methods in Physical Education		3
KINS 3201	Practicum in Elementary Physical Education		1
KINS 1441	Physical Activity: Aquatics	PHED 1152	1
	Semester Credit Hours		15
Summer		**TCCN**	
KINS 2132	Outdoor Adventure Activities		2
	Semester Credit Hours		2

Third Year

Fall		TCCN	
PHIL 3073	Bioethics		3
KINS 3103	Secondary Methods in Physical Education		3

KINS 3101	Practicum in Secondary Physical Education		1
KINS 3801	Practicum in Coaching		1
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
GOV 2023	Texas Government	GOVT 2306	3
EDUC 3003	Learning Theory and Development		3
	Semester Credit Hours		16
Spring		**TCCN**	
KINS 3303	Leadership through Experiential Activities		3
KINS 3553	Exercise and Sport Psychology		3
KINS 3653	Principles of Coaching		3
KINS 4573	Motor Learning and Development		3
KINS 3623	Scientific Foundations of Human Movement		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
	Semester Credit Hours		18
Fourth Year			
Fall		**TCCN**	
KINS 3713	Sport and Fitness Management		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
MU 3713	Music and World Cultures		3
KINS 4801	Disability Sport Internship		1
KINS 4822	Assessment in Adapted Physical Education		2
KINS 4821	Motor and Physical Assessment of Individuals with Special Needs Internship		1
EDUC 4243	Classroom Environment and Management		3
	Semester Credit Hours		16
Spring		**TCCN**	
EDUC 4833	Student Teaching: All-Level Kinesiology		3
EDUC 4833	Student Teaching: All-Level Kinesiology		3
	Semester Credit Hours		6
	Total Semester Credit Hours:		123

(GP) courses satisfy global perspectives graduation requirement.

Department of Nutrition and Food Sciences

Web Site: http://www.twu.edu/nutrition-food-sciences/

Chair: *K. Shane Broughton, PhD*
Location: *OMB 307 (Denton)*
Phone: *940-898-2636*
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Location: *IHSH 7118 (Houston)*
Phone: *713-794-2371*
Fax: *713-794-2374*
E-mail: *Houston: nfs-houston@twu.edu*

Undergraduate Degrees Offered

The academic programs in nutrition and food science provide opportunities for education in both liberal arts and sciences and fields of professional specialization such as medicine. Students take courses in nutrition, food science, food service management, chemistry, physiology, mathematics, and business. Graduates are prepared for careers in clinical dietetics, foodservice systems management, food industry sales or research, health and wellness programs, culinary science, community nutrition and public health, or consultation and private practice.

- B.A.S. in Culinary Science and Food Service Management (p. 315) degree is approved by the Research Chef Association (http://www.culinology.org) and builds upon the Associate of Applied Science (A.A.S.) in Culinary Arts degree (state and SACS approved) to fulfill the growing demand for executive chefs, food service management specialists, quality assurance and regulator managers, and food scientists. Students in this program will focus on applying their culinary knowledge to nutrition, food science, and research methods.
- B.S. in Food and Nutrition in Business and Industry (p. 316) program provides students with a background in both food and nutrition. Graduates may seek employment in aspects of food or nutrition, particularly in quality control and quality assurance, food product development, foodservice management, food and nutrition management software, sales, marketing, food safety, or research. Minor required.
- B.S. in Nutrition (Dietetics) (p. 318) program is a Didactic Program in Dietetics (DPD) which is an accredited program for students who are preparing to become Registered Dietitian Nutritionists (RDNs) to work in hospitals, HMOs, private practice, outpatient clinics, or other healthcare facilities, community and public health settings, schools, foodservice administration positions, government agencies, pharmaceutical companies, and in academia and research. This program is an application-only process.
- B.S. in Nutrition (Nutritional Sciences) (p. 321) program emphasizes basic sciences and is ideal for students who are interested in careers in academia and research in nutritional sciences or who plan to seek admission to professional studies in medicine, physician assistant, dentistry, physical therapy, occupational therapy, pharmacy, or the veterinary professions. The degree provides a foundation for further education at the master's and doctoral levels for the pursuit of careers in industry, research, and university level teaching positions. The program includes courses in nutrition, biology, chemistry, and mathematics.
- B.S. in Nutrition (Wellness) (p. 323) program provides students with the nutritional knowledge to assist others in reducing the risk of chronic disease through educational and behavioral approaches with courses in nutrition and health studies. Graduates seek employment in health education, community health, school health, corporate wellness, insurance companies, and fitness centers. Studies focus on qualifying students to obtain the Certified Health Education Specialist certification (CHES) often required for positions in public health.

Teacher Certification in Hospitality, Nutrition, and Food Science

Students majoring in either B.S. in Nutrition (Dietetics) or B.S. in Food and Nutrition in Business and Industry may receive teacher certification to teach Hospitality, Nutrition, and Food Science in Texas schools, grades 8-12, by completing 20 semester credit hours of education courses, 20 semester credit hours of family science courses, and 8 semester credit hours of related studies. See the Family Sciences (p. 351) section of this catalog for more information.

Graduate Courses

In addition to undergraduate programs, the department offers a dietetic internship/master's program at both Denton and Houston. Graduate degrees are available in nutrition, food science, and food systems administration. The department also participates in interdisciplinary master's degrees. Please refer to the Graduate Catalog (http://catalog.twu.edu/graduate) for information regarding graduate courses.

Admissions

All students must meet the University requirements as outlined in the Admissions (p. 18) section of this catalog.

Students interested in the B.S. in Nutrition (Dietetics) DPD program must meet the additional admission requirements as outlined on the Bachelor of Science in Nutrition (Dietetics) (p. 318) catalog page.

Courses

NFS 1301. Food Preparation Principles Laboratory. (TCCN HECO 1315) Laboratory experience in food preparation. Co-requisite: NFS 1302. Three laboratory hours a week. Credit: One hour.

NFS 1302. Food Preparation Principles. (TCCN HECO 1315) Application of nutrition knowledge and basic scientific principles of meal management, selection, preparation, and safety of food. Co-requisite: NFS 1301. Two lecture hours a week. Credit: Two hours.

NFS 2011. Introduction to Dietetics. Introduction to the field of dietetics including history of the profession, education, preparation, roles and responsibilities of dietetic practitioners, exploration of practice settings, ethics of professional conduct, professionalism, evidence-based practice, and internship program requirements. Prerequisite: Majors in Nutrition with an emphasis in Dietetics. One lecture hour a week. Credit: One hour.

NFS 2031. Food Microbiology Laboratory. Evaluations of microorganisms as spoilage agents in foods. Preservation techniques to retard microbial spoilage. Foods which require microbial fermentations in their processing procedures; conditions which result in "food-borne" illnesses. Prerequisites: BIOL 1113 and BIOL 1111. Three laboratory hours a week. Credit: One hour.

NFS 2033. Food Microbiology. Microbial diversity and environmental interactions with emphasis on organisms found in fresh and spoiled foods. Contamination, preservation methods, and spoilage mechanisms of different foods. Effects of microbial enzymes on foods. Food sanitation, control, and inspection; and food-related illnesses. Prerequisites: BIOL 1113 and BIOL 1111. Co-requisite: NFS 2031. Three lecture hours a week. Credit: Three hours.

NFS 2323. Introduction to Nutrition. (TCCN HECO 1322, BIOL 1322) Principles of normal nutrition including study of the major nutrients, their interrelationships, and their role in health. Recommended prerequisite: One semester of chemistry or physiology. Three lecture hours a week. Credit: Three hours.

NFS 2343. Nutritional Management for the Family And Child. Applications of principles of food and nutrition to the family and child. Study of nutritional needs of the social, cultural, economic, and governmental factors which influence the health and welfare of family members. Three lecture hours a week. Credit: Three hours.

NFS 3033. Nutrition throughout the Life Cycle. Relationship of nutritional requirements to the stages of the life cycle from conception through aging. Prerequisite: NFS 2323 or NFS 2013. Three lecture hours a week. Credit: Three hours.

NFS 3041. Food Protection Management. Identification of causes of foodborne disease. Application of control measures to prevent food safety problems according to HACCP (Hazard Analysis Critical Control Point) principles. One lecture hour a week. Credit: One hours.

NFS 3043. Community Nutrition. Identification of nutritional problems and resources available in the community. Management of nutrition services, provision of nutrition information/education to the public, and the legislative process. Prerequisite: NFS 2323 or NFS 2013. Three lecture hours a week. Credit: Three hours.

NFS 3063. Ecology of Foods and Nutrition. Discussion of factors which affect choice of foods. Examination of the interaction of cultural, socioeconomic, political, physiological, and ecological factors that impact food availability, consumption, and ultimately nutritional status on global basis. Three lecture hours a week. Credit: Three hours.

NFS 3073. Nutrition for Women in a Global Environment. Application of nutrition principles to promote health in women throughout the life cycle nationally and globally. Emphasis on nutrition to maintain health and reduce risk of obesity, osteoporosis, cardiovascular disease, cancer, and diabetes in women of different ethnic and cultural backgrounds. Three lecture hours a week. Creidt: Three hours.

NFS 3081. Principles of Culinary Science. Applications of basic mathematics concepts, general principles of science, and information technology to develop new products; to describe and analyze basic food and food systems; and to determine the objective and subjective properties of food and food ingredients. One lecture hour a week. Credit: One hour.

NFS 3083. Bionutrition. Fundamental principles of biochemistry for nutrition, covering protein, carbohydrate, fat, vitamin, and engery metabolism; underlying causes and rationale for the prevention and treatment of diseases. Prerequisites: NFS 2323; and CHEM 1023 and CHEM 1021, or Chem 2213 and CHEM 2211. Three lecture hours a week. Credit: Three hours.

NFS 3101. Advanced Nutrition Laboratory. Laboratory experience in assessing nutritional status and nutrients in food. Three laboratory hours a week. Credit: One hour.

NFS 3163. Sports Nutrition. Physiological effects of exercise and nutrition upon the human body. Current topics of interest, current research, and their relationship to athletic performance. Three lecture hours a week. Credit: Three hours.

NFS 3173. Culture and Food. Study of influence of culture on food habits in various countries and the accompanying health effects. Evolution of cultural food habits are related to nationality, ethnicity, religion, and the changing role of women. Three lecture hours a week. Credit: Three hours.

NFS 3201. Nutrition Assessment. Principles and techniques of assessing nutritional status and the development of nutrition care plans. Prerequisite: NFS 3083. One lecture hour a week. Credit: One hour.

NFS 3321. Food Science Laboratory. Introduction to the techniques of food processing and preparation, food analysis, and new product development. Co-requisite: NFS 3323. Three laboratory hours a week. Credit: One hour.

NFS 3323. Food Science. Application of chemical and physical properties of basic food ingredients; major processing and preservation principles and application of science technology to various food products. Sensory evaluation of foods. Emphasis on current topics of the national and local food industry. Prerequisites: NFS 1301, NFS 1302, CHEM 1013, and CHEM 1023. Co-requisite: NFS 3321. Three lecture hours a week. Credit: Three hours.

NFS 3713. Quantity Food Production and Service. Principles of food preparation, food safety, and quality improvement applied to quantity food production and service; institutional menu planning, production planning, and cost determination; food purchasing; marketing theory and materials management for foodservice systems. Prerequisites: NFS 1301 and NFS 1302, or equivalent; NFS 2323; and NFS 2033 or equivalent. Co-requisite: NFS 3722. Three lecture hours a week. Credit: Three hours.

NFS 3722. Quantity Food Production and Service Laboratory. Supervised experiences in quantity food production and service. Co-requisite: NFS 3713. Six laboratory hours a week. Credit: Two hours.

NFS 4023. Food Product Development. Group and individual experiments in development of new food products; objective and sensory evaluation of the effects of varying the type and amount of ingredients and methods of preparation on the quality of the finished product. Prerequisite: NFS 3323. Two lecture and three laboratory hours a week. Credit: Three hours.

NFS 4031. Culinary Nutrition Modification Lab. Application of culinary techniques, food science, and nutrition to development and modification of menus and recipes for healthcare. Sensory evaluation of modified recipes. Prerequisite: NFS 2323. Co-requisite: NFS 4032. Three laboratory hours a week. Credit: One hour.

NFS 4032. Culinary Nutrition Modification. Medical nutrition therapy, menu planning, and recipe modification for healthcare. Prerequisite: NFS 2323. Co-requisite: NFS 4031. Two lecture hours a week. Credit: Two hours.

NFS 4103. Medical Nutrition Therapy I. Concepts of appropriate therapeutic nutrition as applied in the treatment of human disease. Prerequisites: NFS 3033, NFS 3083, and NFS 3201. Prerequisite or Co-requisite: NFS 4303 or permission of instructor. Three lecture hours a week. Credit: Three hours.

NFS 4113. Medical Nutrition Therapy II. Concepts of appropriate therapeutic nutrition as applied in the treatment of human disease. Prerequisites: NFS 3033, NFS 3083, and NFS 3201. Prerequisite or Co-requisite: NFS 4303 or permission of instructor. Three lecture hours a week. Credit: Three hours.

NFS 4123. Sensory Evaluation of Food. The anatomy, physiology, and functions of human senses used to evaluate the sensory qualities of foods and food ingredients. Application of sensory evaluation methods to asses qualities of foods including taste, texture, appearance, and flavor. Use of experimental designs and statistical tests necessary to analyze and present sensory evaluation data. Prerequisite: NFS 3081. Three lecture hours a week. Credit: Three hours.

NFS 4301. Principles of Nutritional Genomics. Advanced study of fundamental concepts of nutrient-gene interaction in human health and disease. Prerequisites: NFS 2323 and NFS 3083. One lecture hour a week. Credit: One hour.

NFS 4303. Advanced Nutrition: Macronutrients. Fundamental principles of biochemistry for nutrition, covering carbohydrate, fat, protein, and energy metabolism; underlying causes and rationale for the prevention and treatment of diseases. Prerequisites: NFS 2323, NFS 3083, ZOOL 2031, and ZOOL 2033. Three lecture hours a week. Credit: Three hours.

NFS 4313. Advanced Nutrition: Micronutrients. Advanced study of fundamental concepts of micronutrients as related to both the chemistry and physiology of the human body. Prerequisites: NFS 2323, NFS 3083, Zool 2031, and Zool 2033. Three lecture hours a week. Credit: Three hours.

NFS 4473. Nutrition Therapy and Education Methods. Principles and techniques of therapy and educational methods applied to nutrition and foodservice management, communication skills, and evaluation methods. Enroll during final fall semester. Co-requisite: NFS 4103 or NFS 4113. Three lecture hours a week. Credit: Three hours.

NFS 4501. Careers in Food and Nutrition. Career options in food and nutrition such as food service management, product development, healthcare, and agriculture. One lecture hour a week. Credit: One hour.

NFS 4503. Food Processing and Unit Operations. Principles and practices of today's food processing industry; procedures for processing and manufacturing various foods for retail sale. Prerequisites: NFS 2033, NFS 3081, and NFS 3323. Three lecture hours a week. Credit: Three hours.

NFS 4601. Literature in Nutrition and Food Science Seminar. Student presentations based on library or laboratory research projects. May be repeated for a total of three credits. Prerequisite: NFS 2323 or equivalent; or permission of the instructor. One lecture hour a week. Credit: One hour.

NFS 4701. Dietetics As a Profession. A discussion of the professional responsibilities of the dietitian with emphasis on nontraditional careers; AND's organization and structure; routes to registration, and the application process for internship. Enroll during final fall semester. Co-reqisite: NFS 4103 or NFS 4113. One lecture hour a week. Credit: One hour.

NFS 4744. Principles of Foodservice Systems. Management principles, strategic management, risk management, layout evaluation and equipment selection, human resources management, and financial management of foodservice systems. Prerequisites: NFS 3713 and NFS 3722, or equivalent. Four lecture hours a week. Credit: Four hours.

NFS 4901. Special Topics. Specially scheduled course on topic of current interest. May be repeated for additional credit. One lecture hour a week. Credit: One hour.

NFS 4903. Special Topics. Specially scheduled course on topic of current interest. May be repeated for additional credit. Three lecture hours a week. Credit: Three hours.

NFS 4911. Independent Study. Intensive study of a topic of individual or professional interest in nutrition and food sciences. Credit: One hour.

NFS 4913. Independent Study. Intensive study of a topic of individual or professional interest in nutrition and food sciences. Credit: Three hours.

NFS 4941. Current Topics in Nutrition and Food Sciences. An in-depth examination of topics of current interest in the area of nutrition or food science. Prerequisites: NFS 1302 and NFS 1301, or NFS 2323. May be repeated for credit. One lecture hour a week. Credit: One hour.

NFS 4943. Trends and Controversies in Nutrition and Food Sciences. An in-depth examination of recent research on topics of current interest such as food safety, role of nutrients in cancer prevention, and nutrition policy. Prerequisite: NFS 2323 or equivalent. Three lecture hours a week. Credit: Three hours.

NFS 4953. Cooperative Education. Credit: Three hours.

NFS 4956. Cooperative Education. Credit: Six hours.

NFS 4983. Research in Nutrition and Food Sciences. Participate in ongoing projects of faculty. May be repeated once. Prerequisites: CHEM 1023, NFS 4302, NFS 4303, NFS 4601, and permission of the department chair. Nine laboratory hours a week. Credit: Three hours.

Faculty

Professors

BROUGHTON, KENNETH SHANE, Professor of Nutrition and Food Sciences; Chair of the Department of Nutrition and Food Sciences; Interim Chair of Biology. B.S, Colorado State University; M.S., Washington State University; Ph.D., Washington State University.

DIMARCO, NANCY M., Professor of Nutrition and Food Sciences. B.A., University of Colorado, Boulder; M.S., Iowa State University; Ph.D., Iowa State University.

IMRHAN, VICTORINE, Professor of Nutrition and Food Sciences. B.S., Texas Tech University; M.S., Louisiana Tech University; Ph.D., Texas Woman's University.

PRASAD, CHANDAN, Professor of Nutrition and Food Sciences. B.S., G.B. Pant University of Agriculture and Technology : Naini Tal, India;

M.Sc., G.B. Pant University of Agriculture and Technology : Naini Tal, India; Ph.D., Louisiana State University .

VIJAYAGOPAL, PARAKAT, Professor of Nutrition and Food Sciences. B.S., University of Kerala; M.S., Banaras Hindu University; Ph.D., University of Kerala.

Associate Professors

JUMA, SHANIL, Associate Professor of Nutrition and Food Sciences. B.S., Purdue University; M.S., University of Illinois, Chicago; Ph.D., Oklahoma State University.

MOORE, CAROLYN E., Associate Professor of Nutrition and Food Sciences. B.S., University of California, Berkeley; M.S., University of California, Berkeley; M.B.A., Rice University; Ph.D., University of California, Los Angeles.

Assistant Professors

LEMIEUX, MONIQUE J., Assistant Professor of Nutrition and Food Sciences. B.S., Christopher Newport University; M.S., The University of Tennessee Knoxville; Ph.D., Texas Tech University.

MAZIARZ, MINDY, Assistant Professor of Nutrition and Food Sciences. B.S., Texas A&M University; M.S., University of Alabama, Birmingham; Ph.D., Texas Woman's University.

WARREN, CYNTHIA A., Assistant Professor of Nutrition and Food Sciences. B.S., Texas A&M University; M.S., Texas A&M University; Ph.D., Texas A&M University .

Associate Clinical Professors

BUSH, ROSE MARY, Associate Clinical Professor of Nutrition and Food Sciences; Dietetic Internship Program Director of the Department of Nutrition and Food Sciences : Houston. B.S., Grambling College; M.S., Louisiana Tech University.

KEARNEY, DOLORES E., Associate Clinical Professor of Nutrition and Food Sciences. B.S., State University of New York College at Oneonta; M.P.H., University of North Carolina, Chapel Hill.

MORELAND, KAREN A., Associate Clinical Professor of Nutrition and Food Sciences. B.S., Southwest Texas State University; M.S., Texas Woman's University.

REW, MARTHA L., Associate Clinical Professor of Nutrition and Food Sciences. B.S., University of Southwestern Louisiana; M.S., Louisiana State University .

Visiting Assistant Clinical Professors

GRIFFIN, ANGELA D., Visiting Assistant Clinical Professor of Nutrition and Food Sciences. B.S., University of Central Arkansas; M.S., University of Central Arkansas.

STONER-DAVIS, KERSTINA L., Visiting Assistant Clinical Professor of Nutrition and Food Sciences. B.S., Kansas State University; M.S., Texas Woman's University.

Bachelor of Applied Science in Culinary Science and Food Service Management

The Bachelor of Applied Science (B.A.S.) in Culinary Science and Food Service Management is a degree program developed by Texas Woman's University in collaboration with affiliated community colleges. This Research Chefs Association-approved Culinology program provides a distinct career path for community college graduates pursuing degrees in culinary science and food service management. The degree builds upon the Associate of Applied Science (A.A.S.) in Culinary Arts degree (state and SACS approved) to fulfill the growing demand for executive chefs, food service management specialists, quality assurance and regulatory managers, and food scientists. Students focus on applying their culinary knowledge to nutrition, food science, and research methods.

Total Semester Credit Hours Required

120 semester credit hours.

Major

88 semester credit hours (combination of A.A.S. and TWU courses may vary).

Bachelor of Applied Science in Culinary Science and Food Service Management Program of Study

Third Year			
Fall		**TCCN**	**Semester Credit Hours**
NFS 3081	Principles of Culinary Science		1
BIOL 1113 & BIOL 1111 (Lab)	Principles of Biology I and Principles of Biology I Laboratory	(BIOL 1306, BIOL 1406) and (BIOL 1106)	4
CHEM 1023 & CHEM 1021 (Lab)	Introduction to Organic and Physiological Chemistry and Introduction to Organic and Physiological Chemistry Laboratory	(CHEM 1307) and (CHEM 1107)	4
GOV 2013	U.S. National Government	GOVT 2305	3
	Semester Credit Hours		12
Spring		**TCCN**	
NFS 2033 & NFS 2031 (Lab)	Food Microbiology and Food Microbiology Laboratory		4

NFS 2343	Nutritional Management for the Family And Child		3
NFS 3323 & NFS 3321 (Lab)	Food Science and Food Science Laboratory		4
NFS 4953	Cooperative Education		3
GOV 2023	Texas Government	GOVT 2306	3
	Semester Credit Hours		17
Fourth Year			
Fall		**TCCN**	
NFS 3173 (GP)	Culture and Food		3
NFS 4123	Sensory Evaluation of Food		3
NFS 4903 (ST: Food Processing and Unit Operation)	Special Topics		3
BUS 3003	Principles of Management		3
Upper Level Elective			1
Upper Level Elective			1
	Semester Credit Hours		14
Spring		**TCCN**	
NFS 4023	Food Product Development		3
NFS 4032 & NFS 4031 (Lab)	Culinary Nutrition Modification and Culinary Nutrition Modification Lab		3
NFS 4744	Principles of Foodservice Systems		4
Upper Level Elective			1
Upper Level Elective			3
	Semester Credit Hours		14
	Total Semester Credit Hours:		57

Students can complete core curriculum requirements at their A.A.S. school or at TWU. Some additional TWU coursework may be required. Students may transfer up to a maximum of 90 semester credit hours. Texas Woman's University is accredited by the Southern Association of Colleges and Schools' Commission on Colleges (http://www.sacs.org) to award Associates, Bachelor's, Master's, and Doctoral degrees.

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Food and Nutrition in Business and Industry

The Bachelor of Science in Food and Nutrition in Business and Industry program provides students with a background in both nutrition and food. Graduates may seek employment in aspects of food or nutrition, particularly in quality control and quality assurance, food product development, foodservice management, food and nutrition management software, sales, marketing, or research. Government agencies focused on food safety are also potential employers.

Total Semester Credit Hours Required

120 semester credit hours.

Major

57 semester credit hours.

Required Minor

18 semester credit hours. Minimum minor requirement to include at least 6 advanced semester credit hours (3000 or 4000 level). Suggested minors include biology (microbiology focus), chemistry, accounting, business administration, finance, human resource management, management, marketing, entrepreneurship, and psychology. See respective minor in catalog for required courses.

Bachelor of Science in Food and Nutrition in Business and Industry Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
NFS 1302 & NFS 1301 (Lab)	Food Preparation Principles and Food Preparation Principles Laboratory	(HECO 1315) and (HECO 1315)	3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Mathematics Core			3
Select 3 semester credit hours from the following:			3

KINS 1902 & UNIV 1231 (required for first year students)	Fitness and Health: Enhancing Personal Wellness and Learning Frameworks: The First Year Experience	(PHED 1238, PHED 1301) and (EDUC 1100, EDUC 1200, EDUC 1300)	
KINS 1902 & KINS 1901 (Lab)	Fitness and Health: Enhancing Personal Wellness and Fitness and Health Laboratory	(PHED 1238, PHED 1301) and (PHED 1164, PHED 1301)	
Core Approved Mathematics			
	Semester Credit Hours		15
Spring		**TCCN**	
BIOL 1113 & BIOL 1111 (Lab)	Principles of Biology I and Principles of Biology I Laboratory	(BIOL 1306, BIOL 1406) and (BIOL 1106)	4
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Multicultural Women's Studies			3
	Semester Credit Hours		13
Second Year			
Fall		**TCCN**	
NFS 2323	Introduction to Nutrition	HECO 1322, BIOL 1322	3
CHEM 1013 & CHEM 1011 (Lab)	Introductory Chemistry and Introductory Chemistry Laboratory	(CHEM 1305, CHEM 1405) and (CHEM 1105)	4
GOV 2013	U.S. National Government	GOVT 2305	3
SPCH 1013	Oral Communication	SPCH 1311	3
Social/Behavioral Sciences Core			3
	Semester Credit Hours		16
Spring		**TCCN**	
NFS 3173 (GP)	Culture and Food		3
CHEM 1023 & CHEM 1021 (Lab)	Introduction to Organic and Physiological Chemistry and Introduction to Organic and Physiological Chemistry Laboratory	(CHEM 1307) and (CHEM 1107)	4
GOV 2023	Texas Government	GOVT 2306	3
Creative Arts Core			3
Elective			3
	Semester Credit Hours		16
Third Year			
Fall		**TCCN**	
NFS 2033 & NFS 2031 (Lab)	Food Microbiology and Food Microbiology Laboratory		4
NFS 2343	Nutritional Management for the Family And Child		3
NFS 3043	Community Nutrition		3
BUS 3003	Principles of Management		3
Elective			3
	Semester Credit Hours		16
Spring		**TCCN**	
NFS 3041	Food Protection Management		1
NFS 3323 & NFS 3321 (Lab)	Food Science and Food Science Laboratory		4
NFS 3713 & NFS 3722 (Lab)	Quantity Food Production and Service and Quantity Food Production and Service Laboratory		5
Course for Minor			3
Course for Minor			3
	Semester Credit Hours		16
Fourth Year			
Fall		**TCCN**	
NFS 4744	Principles of Foodservice Systems		4

NFS 4943	Trends and Controversies in Nutrition and Food Sciences	3
Upper Level Course for Minor		3
Upper Level Course for Minor		3
	Semester Credit Hours	13
Spring	**TCCN**	
NFS 4023	Food Product Development	3
NFS 4123	Sensory Evaluation of Food	3
Language, Philosophy, Culture Core		3
Course for Minor		3
Course for Minor		3
	Semester Credit Hours	15
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Nutrition (Dietetics)

DPD Program Director: Dolores Kearney, MPH, RDN, LD
Phone: 940-898-2641
E-Mail*:* dkearney1@twu.edu

Total Semester Credit Hours Required

120 semester credit hours.

Major

75 semester credit hours.

The Bachelor of Science in Nutrition (Dietetics) is a Didactic Program in Dietetics (DPD), an accredited program for students who are preparing to become Registered Dietitian Nutritionists (RDNs). A Registered Dietitian Nutritionist (RDN) is a food and nutrition expert who has met the minimum academic and professional requirements to quality for the credential "RDN." The majority of RDNs work as clinical dietitians in the treatment and prevention of diseases using medical nutrition therapy. Clinical dietitians work in hospitals, HMOs, private practice, outpatient clinics, or other healthcare facilities. In addition, a large number of RDNs work in community and public health settings, schools, foodservice administration positions, government agencies, pharmaceutical companies, and in academia and research. A growing number of RDNs work in the food and nutrition industry, in business, journalism, sports nutrition, and corporate wellness programs. The B.S. in Nutrition (Dietetics) DPD program *requires submission of an application*.

The Didactic Program in Dietetics (DPD) at Texas Woman's University is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, 312-899-0400 extension 5400, www.eatrightacend.org.

Some RDNs hold additional certifications in specialized areas of practice. These are awarded through the Commission on Dietetic Registration (CDR), the credentialing agency for the Academy of Nutrition and Dietetics, and/or other medical and nutrition organizations, and are recognized within the profession, but are not required. Some of the certifications include pediatric or renal nutrition, sports dietetics, nutrition support, and diabetes education.

In addition to RDN credentialing, many states have regulatory laws for licensing dietitians and nutrition practitioners. Frequently, these state requirements are met through the same education and training required to become an RDN.

Requirements to Become a Registered Dietitian Nutritionist (RDN)

- ***Complete a minimum of a bachelor's degree*** at a US regionally accredited university or college and coursework accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics and complete the requirements for a Verification Statement.
- ***Complete an ACEND-accredited supervised practice program*** at a healthcare facility, community agency, or a foodservice corporation, or combined with undergraduate or graduate studies. Typically, a supervised practice program will run six to 12 months in length. The most popular supervised practice program is a dietetic internship. Currently, acceptance into a supervised practice program is a competitive process.
- ***Pass a national board examination*** administered by the Commission on Dietetic Registration (CDR). For more information regarding the examination, refer to www.cdrnet.org.

Completion of the B.S. in Nutrition (Dietetics) DPD ***does not guarantee admission*** into a dietetic supervised practice (internship) program. Admission to supervised practice programs are very competitive; therefore, students are encouraged to apply to a variety of programs to increase their chances of being accepted. Supervised practice programs vary by cost, length, location, specialty, and required application fee.

Application to the B.S. in Nutrition (Dietetics) DPD

Admission to Texas Woman's University does not guarantee acceptance into the B.S. in Nutrition (Dietetics) or the Didactic Program in Dietetics (DPD). The B.S. in Nutrition (Dietetics) DPD at TWU requires the submission of an application. All students wishing to graduate with a B.S. in Nutrition (Dietetics) must initially apply to TWU and declare their major as B.S. in Nutrition (no emphasis area selected). Students will take coursework as outlined on the B.S. in Nutrition (Dietetics) Program of Study. Students will be eligible to apply to the B.S. in Nutrition (Dietetics) DPD only after completing the required list of courses (1000 and 2000 level degree courses), meeting the grade requirements, and completing a mandatory NFS department orientation.

After acceptance into the B.S. in Nutrition (Dietetics) DPD, students will declare their emphasis as B.S. in Nutrition (Dietetics). Students who have completed the B.S. in Nutrition (Dietetics) DPD requirements and

meet the requirements for a Verification Statement are eligible to apply to a supervised practice (internship) program.

Admissions Process to the B.S. in Nutrition (Dietetics) DPD

Applications for admission to the B.S. in Nutrition (Dietetics) DPD will be made after the successful completion of the required list of courses (1000 and 2000 level degree courses). All application materials are due to the TWU DPD Program Director by October 1.

Students must meet the following criteria to qualify to apply to the B.S. in Nutrition (Dietetics) DPD:

1. Admission to Texas Woman's University.
2. Submission of TWU B.S. in Nutrition (Dietetics) DPD Application Form.
3. Completion of prerequisites for B.S. in Nutrition (Dietetics) DPD courses. Required courses may not be repeated more than one time.
4. Meet the B.S. in Nutrition (Dietetics) DPD grade requirements.
5. Overall GPA of 3.25 (last 60 hours for Post-Bachelor students).
6. Completion of an NFS department orientation.

Refer to the NFS website (http://www.twu.edu/nutrition-food-sciences/bs-nutrition-dietetics.asp) for the DPD Handbook, Application Form, and orientation dates.

Prerequisites for B.S. in Nutrition (Dietetics) DPD Admission

The required grade point average for application to the B.S. in Nutrition (Dietetics) DPD is 3.25 (GPA for Post-Bachelor students will be calculated using all the DPD required list of courses and the previous undergraduate courses in reverse chronological order to total 60 semester credit hours). The courses listed below must be completed prior to progressing to Junior level courses (3000 level courses). Students must complete the mandatory NFS department orientation. Students who do not meet these requirements must meet with their academic advisor to determine an appropriate degree major.

- Required "C" or higher in the following courses: BIOL 1111, BIOL 1113, CHEM 1011, CHEM 1013, CHEM 1021, CHEM 1023, ZOOL 2031, ZOOL 2033, NFS 2031 or BACT 1001, NFS 2033 or BACT 1003, MATH 1013 or MATH 1023 or MATH 1303, MATH 1703, SPCH 1013, and PSY 1013.
- Required "B" or higher in the following courses: NFS 1301, NFS 1302, and NFS 2323.

After the above required list of courses is completed, prospective B.S. in Nutrition (Dietetics) DPD students will be permitted to apply to the Dietetics Program. If accepted, students are permitted to enroll in the courses listed below. Students must receive a grade of "B" or higher in these courses. Students who do not meet these requirements must meet with their academic advisor to determine an appropriate degree major.

- Required "B" or higher in the following courses: NFS 2011*, NFS 3033, NFS 3043, and NFS 3083.

* NFS 2011 may be taken as a sophomore or, if a transfer student, the first semester enrolled at TWU.

Verification Statement

Requirements to receive a Verification Statement from the TWU B.S. in Nutrition (Dietetics) DPD in order to be eligible for entry into an ACEND-accredited supervised practice (internship) program are:

- Earn a grade of "B" or higher in: NFS 1301, NFS 1302, NFS 2323, NFS 3033, NFS 3043, NFS 3083, NFS 3713, NFS 2011, and NFS 3722.
- Required "C" or higher in all other DPD-required courses.
- Achieve an overall GPA of 3.25.
- B.S. in Nutrition (Dietetics) DPD students may repeat a DPD-required course only one time.
- Complete a minimum of 24 hours of advanced undergraduate nutrition, food science, and foodservice management courses at TWU.

Note: Requirements for a Verification Statement are different than the requirements for earning a degree at TWU.

Bachelor of Science in Nutrition (Dietetics) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
NFS 1302 & NFS 1301 (Lab)	Food Preparation Principles and Food Preparation Principles Laboratory	(HECO 1315) and (HECO 1315)	3
BIOL 1113 & BIOL 1111 (Lab)	Principles of Biology I and Principles of Biology I Laboratory	(BIOL 1306, BIOL 1406) and (BIOL 1106)	4
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Select 3 semester credit hours from the following:			3
KINS 1902 & UNIV 1231 (required for first year students)	Fitness and Health: Enhancing Personal Wellness and Learning Frameworks: The First Year Experience	(PHED 1238, PHED 1301) and (EDUC 1100, EDUC 1200, EDUC 1300)	

KINS 1902 & KINS 1901 (Lab)	Fitness and Health: Enhancing Personal Wellness and Fitness and Health Laboratory	(PHED 1238, PHED 1301) and (PHED 1164, PHED 1301)	
Core Approved Mathematics			
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
GOV 2013	U.S. National Government	GOVT 2305	3
Select 3 semester credit hours from the following:			3
MATH 1013	Financial and Quantitative Literacy	MATH 1332	
MATH 1023	Introduction to Mathematics	MATH 1333	
MATH 1303	Elementary Analysis I	MATH 1314, MATH 1414	
PSY 1013	Introduction to General Psychology	PSYC 2301	3
	Semester Credit Hours		15
Second Year			
Fall		**TCCN**	
CHEM 1013 & CHEM 1011	Introductory Chemistry and Introductory Chemistry Laboratory	(CHEM 1305, CHEM 1405) and (CHEM 1105)	4
SPCH 1013	Oral Communication	SPCH 1311	3
Select 4 semester credit hours from the following:			4
NFS 2033 & NFS 2031 (Lab)	Food Microbiology and Food Microbiology Laboratory		
BACT 1003 & BACT 1001 (Lab)	Microbiology and Microbiology Laboratory	(BIOL 2320) and (BIOL 2120)	
Multicultural Women's Studies			3
Language, Philosophy, Culture Core			3
	Semester Credit Hours		17
Spring		**TCCN**	
NFS 2323	Introduction to Nutrition	HECO 1322, BIOL 1322	3
CHEM 1023 & CHEM 1021 (Lab)	Introduction to Organic and Physiological Chemistry and Introduction to Organic and Physiological Chemistry Laboratory	(CHEM 1307) and (CHEM 1107)	4
GOV 2023	Texas Government	GOVT 2306	3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
ZOOL 2033 & ZOOL 2031 (Lab)	Human Anatomy and Physiology and Human Anatomy and Physiology Laboratory		4
	Semester Credit Hours		17
Third Year			
Fall		**TCCN**	
NFS 2011	Introduction to Dietetics		1
NFS 3033	Nutrition throughout the Life Cycle		3
NFS 3043	Community Nutrition		3
NFS 3083	Bionutrition		3
BUS 3003	Principles of Management		3
	Semester Credit Hours		13
Spring		**TCCN**	
NFS 3173 (GP)	Culture and Food		3
NFS 3201	Nutrition Assessment		1
NFS 3323 & NFS 3321 (Lab)	Food Science and Food Science Laboratory		4
NFS 3713 & NFS 3722 (Lab)	Quantity Food Production and Service and Quantity Food Production and Service Laboratory		5
Creative Arts Core			3
	Semester Credit Hours		16

Fourth Year		
Fall		**TCCN**
NFS 4103	Medical Nutrition Therapy I	3
NFS 4301	Principles of Nutritional Genomics	1
NFS 4303	Advanced Nutrition: Macronutrients	3
NFS 3101	Advanced Nutrition Laboratory	1
NFS 4701	Dietetics As a Profession	1
NFS 4744	Principles of Foodservice Systems	4
	Semester Credit Hours	13
Spring		**TCCN**
NFS 4113	Medical Nutrition Therapy II	3
NFS 4313	Advanced Nutrition: Micronutrients	3
NFS 4473	Nutrition Therapy and Education Methods	3
NFS 4601	Literature in Nutrition and Food Science Seminar	1
Elective		3
	Semester Credit Hours	13
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Nutrition (Nutritional Sciences)

The Bachelor of Science in Nutrition (Nutritional Sciences) program is planned for students who are interested in careers in academia and research in nutritional sciences. This degree emphasizes basic sciences and is ideal for students who plan to seek admission to professional studies in medicine, physician assistant, dentistry, physical therapy, occupational therapy, pharmacy, or the veterinary professions. In addition, the degree provides a foundation for further education at the master's and doctoral levels for the pursuit of careers in industry, research, and university level teaching positions. The program includes courses in nutrition, biology, chemistry, and mathematics.

Total Semester Credit Hours

120 semester credit hours.

Major

75 semester credit hours.

Bachelor of Science in Nutrition (Nutritional Sciences) Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
BIOL 1113 & BIOL 1111 (Lab)	Principles of Biology I and Principles of Biology I Laboratory	(BIOL 1306, BIOL 1406) and (BIOL 1106)	4
CHEM 1113 & CHEM 1111 (Lab)	General Chemistry I and General Chemistry Laboratory I	(CHEM 1311, CHEM 1411) and (CHEM 1111)	4
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Select 3 semester credit hours from the following:			3
KINS 1902 & UNIV 1231 (required for first year students)	Fitness and Health: Enhancing Personal Wellness and Learning Frameworks: The First Year Experience	(PHED 1238, PHED 1301) and (EDUC 1100, EDUC 1200, EDUC 1300)	
KINS 1902 & KINS 1901 (Lab)	Fitness and Health: Enhancing Personal Wellness and Fitness and Health Laboratory	(PHED 1238, PHED 1301) and (PHED 1164, PHED 1301)	
Core Approved Mathematics			
	Semester Credit Hours		17
Spring		**TCCN**	
NFS 2323	Introduction to Nutrition	HECO 1322, BIOL 1322	3
CHEM 1123 & CHEM 1121 (Lab)	General Chemistry II and General Chemistry Laboratory II	(CHEM 1312, CHEM 1412) and (CHEM 1112)	4
ENG 1023	Composition II	ENGL 1302	3

HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
MATH 1013	Financial and Quantitative Literacy	MATH 1332	3
	Semester Credit Hours		16

Second Year

Fall		**TCCN**	
BIOL 1123 & BIOL 1121 (Lab)	Principles of Biology II and Principles of Biology II Laboratory	(BIOL 1307, BIOL 1407) and (BIOL 1107)	4
GOV 2013	U.S. National Government	GOVT 2305	3
MATH 1303	Elementary Analysis I	MATH 1314, MATH 1414	3
ZOOL 2013 & ZOOL 2011 (Lab)	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	4
Life/Physical Sciences Core			3
	Semester Credit Hours		17

Spring		**TCCN**	
NFS 3173 (GP)	Culture and Food		3
GOV 2023	Texas Government	GOVT 2306	3
MATH 1313	Elementary Analysis II	MATH 1316	3
ZOOL 2023 & ZOOL 2021 (Lab)	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	(BIOL 2302, BIOL 2402) and (BIOL 2102)	4
	Semester Credit Hours		13

Third Year

Fall		**TCCN**	
NFS 3033	Nutrition throughout the Life Cycle		3
CHEM 2213 & CHEM 2211 (Lab)	Organic Chemistry I and Organic Chemistry Laboratory I	(CHEM 2323, CHEM 2423) and (CHEM 2123)	4
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
Select 4 semester credit hours of the following:			4
NFS 2033 & NFS 2031 (Lab)	Food Microbiology and Food Microbiology Laboratory		
BACT 3113 & BACT 3111 (Lab)	General Microbiology and General Microbiology Laboratory		
Elective			3
	Semester Credit Hours		17

Spring		**TCCN**	
NFS 3083	Bionutrition		3
NFS 3323 & NFS 3321 (Lab)	Food Science and Food Science Laboratory		4
CHEM 3223 & CHEM 3221 (Lab)	Organic Chemistry II and Organic Chemistry Laboratory II	(CHEM 2425) and (CHEM 2425)	4
ZOOL 4243 & ZOOL 4241 (Lab)	Mammalian Physiology and Mammalian Physiology Laboratory		4
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
NFS 4301	Principles of Nutritional Genomics		1
NFS 4303	Advanced Nutrition: Macronutrients		3
NFS 3101	Advanced Nutrition Laboratory		1
NFS 4911	Independent Study		1
Language, Philosophy, Culture Core			3
Social/Behavioral Sciences Core			3
	Semester Credit Hours		12

Spring		**TCCN**	
NFS 4313	Advanced Nutrition: Micronutrients		3

NFS 4601	Literature in Nutrition and Food Science Seminar	1
NFS 4983	Research in Nutrition and Food Sciences	3
Creative Arts Core		3
Multicultural Women's Studies		3
	Semester Credit Hours	13
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Nutrition (Wellness)

The Bachelor of Science in Nutrition (Wellness) program provides students with nutritional knowledge that will allow the individual to assist others in reducing the risk of chronic disease through educational and behavioral approaches. In addition to core nutrition courses, students take courses in Health Studies allowing graduates to effectively inform individuals, communities, and organizations about wellness. Graduates seek employment in health education, community health programs, school health programs, corporate wellness programs, insurance companies, and fitness centers. Studies focus on qualifying students to obtain the Certified Health Education Specialist certification (CHES) often required for positions in public health.

Total Semester Credit Hours Required

120 semester credit hours.

Major

75 semester credit hours (36 NFS, 27 Health Studies, 11 Math/ Science).

Bachelor of Science in Nutrition (Wellness) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
NFS 1302 & NFS 1301 (Lab)	Food Preparation Principles and Food Preparation Principles Laboratory	(HECO 1315) and (HECO 1315)	3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
PSY 1013	Introduction to General Psychology	PSYC 2301	3
Select 3 semester credit hours from the following:			3
KINS 1902 & UNIV 1231 (required for first year students)	Fitness and Health: Enhancing Personal Wellness and Learning Frameworks: The First Year Experience	(PHED 1238, PHED 1301) and (EDUC 1100, EDUC 1200, EDUC 1300)	
KINS 1902 & KINS 1901 (Lab)	Fitness and Health: Enhancing Personal Wellness and Fitness and Health Laboratory	(PHED 1238, PHED 1301) and (PHED 1164, PHED 1301)	
Core Approved Mathematics			
	Semester Credit Hours		15

Spring		**TCCN**	
NFS 2323	Introduction to Nutrition	HECO 1322, BIOL 1322	3
BIOL 1113 & BIOL 1111 (Lab)	Principles of Biology I and Principles of Biology I Laboratory	(BIOL 1306, BIOL 1406) and (BIOL 1106)	4
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
HS 1363	Introduction to Health Education		3
	Semester Credit Hours		16

Second Year

Fall		**TCCN**	
CHEM 1013 & CHEM 1011 (Lab)	Introductory Chemistry and Introductory Chemistry Laboratory	(CHEM 1305, CHEM 1405) and (CHEM 1105)	4
GOV 2013	U.S. National Government	GOVT 2305	3
HS 2013	Health Communications		3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
Mathematics Core			3
	Semester Credit Hours		16

Spring		**TCCN**	
CHEM 1023 & CHEM 1021 (Lab)	Introduction to Organic and Physiological Chemistry and Introduction to Organic and Physiological Chemistry Laboratory	(CHEM 1307) and (CHEM 1107)	4
GOV 2023	Texas Government	GOVT 2306	3
HS 3053	Community Health		3
Elective			1
	Semester Credit Hours		11

Third Year

Fall		**TCCN**	
NFS 3033	Nutrition throughout the Life Cycle		3
NFS 3043	Community Nutrition		3
HS 3073	Health Promotion Program Planning and Design		3
ZOOL 2033 & ZOOL 2031 (Lab)	Human Anatomy and Physiology and Human Anatomy and Physiology Laboratory		4
Multicultural Women's Studies			3
	Semester Credit Hours		16

Spring		**TCCN**	
NFS 3083	Bionutrition		3
NFS 3173 (GP)	Culture and Food		3
HS 3083	Program Evaluation in Health Promotion		3
HS 4573	Occupational Risk Assessments		3
Select 4 semester credit hours from the following:			4
NFS 2033 & NFS 2031 (Lab)	Food Microbiology and Food Microbiology Laboratory		
BACT 1003 & BACT 1001 (Lab)	Microbiology and Microbiology Laboratory	(BIOL 2320) and (BIOL 2120)	
	Semester Credit Hours		16

Fourth Year

Fall		**TCCN**	
NFS 3323 & NFS 3321 (Lab)	Food Science and Food Science Laboratory		4
NFS 4303	Advanced Nutrition: Macronutrients		3
NFS 3101	Advanced Nutrition Laboratory		1
NFS 4601	Literature in Nutrition and Food Science Seminar		1
HS 3413	Epidemiology		3
Creative Arts Core			3
	Semester Credit Hours		15

Spring		**TCCN**	
NFS 4313	Advanced Nutrition: Micronutrients		3
NFS 4943	Trends and Controversies in Nutrition and Food Sciences		3
HS 4743	Needs Assessiment, Planning, and Evaluation for Health Professionals		3
HS Elective			3
Language, Philosophy, Culture Core			3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

27 semester credit hours in Health Studies allows the student to sit for the Certified Health Education Specialist (CHES) exam. Information available at www.nchec.org/. (http://www.nchec.org)

(GP) courses satisfy global perspectives graduation requirement.

Program in Dental Hygiene

Web Site: http://www.twu.edu/dental-hygiene

Program Director: Patricia J. Nunn, Associate Clinical Professor

Location: *OMB 220*
Telephone: *940-898-2870*
Fax: *940-898-2869*
E-mail: *ptomlinson@twu.edu*

Undergraduate Degree Offered

- B.S. in Dental Hygiene (Professional Entry-Level Program) (p. 327)
- R.D.H. to B.S. Program (online) (p. 330)

Accreditation Status

The program in dental hygiene is accredited by the Commission on Dental Accreditation and has been granted the accreditation status of “approval without reporting requirements”. The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at:

Commission on Dental Accreditation (http://www.ada.org/en/coda)
211 East Chicago Avenue
Chicago, IL 60611
312-440-4653

Admissions

Students in the Dental Hygiene Program may enter through one of the following three methods:

1. Dental Hygiene Curriculum for the professional entry-level program requires admission through formal application and acceptance. Acceptance is competitive based upon written criteria for admission and selection procedures.
2. Dual-Enrollment Memorandum of Understanding with partner community colleges and their professional entry-level dental hygiene programs.
3. R.D.H. to B.S. Curriculum for currently licensed dental hygienists who have graduated from a dental hygiene educational program accredited by the Commission on Dental Accreditation; or by special permission, individuals in good standing in associate degree dental hygiene programs during the final year of their education program.

Students accepted to Texas Woman's University may declare as pre-dental hygiene majors.

Courses

DH 1101. Orientation to Dental Hygiene. Introduces the student to dentistry, dental hygiene, dental assisting, and dental laboratory technology; outlines the development of the professions, their organizational structures, councils and bureaus; dental terminology, disease control, modes of dental practice, specialities, educational programs, and career options are discussed. One lecture hour a week. Credit: One hour.

DH 3302. Process of Care I. Exploration of the professional framework within the dental hygiene scope of practice that allows for meeting individualized needs of patients; components including assessment, data analysis, plan of action, implementation, and evaluation along with required documentation. Two lecture hours a week. Credit: Two hours.

DH 3303. Process of Care for the Registered Dental Hygienist. Registered dental hygienist exploration of the professional framework within the dental hygiene scope of practice that allows for meeting individualized needs of patients; components including assessment, data analysis, plan of action, implementation, and evaluation along with required documentation. Three lecture hours a week. Credit: Three hours.

DH 3304. Clinical Dental Hygiene I: Preclinical. Clinical laboratory designed to prepare entry-level clinicians for initiation of clinical patient care to include all aspects of the dental hygiene process of care. Nine laboratory and two lecture hours a week. Credit: Four hours.

DH 3311. Professionalism and Ethics. Professional ethics including ethical theory and philosophy, ethical princples and values, professionalism, social responsibility and justice, codes of ethics, and ethical decision making. One lecture hour a week. Credit: One hour.

DH 3321. Radiography I: Introduction. Introduction to oral radiography including fundamentals of x-ray production, radiographic equipment, and basic concepts of digital radiography. One lecture hour a week. Credit: One hour.

DH 3323. Orofacial Biology. Integrated study of head and neck anatomy, histology, embryology, and tooth morphology with particular emphasis on orofacial structures that by form and/or function are applicable to the clinical practice of dental hygiene. Three lecture hours a week. Credit: Three hours.

DH 3341. Orofacial Biology Lab. Identification and labeling of individual teeth for both deciduous and permanent dentition; emphasis on the traits specific to each tooth. Identification and function of muscles, nerves, and arterial supply related to structures of the head and neck. Co-requisite: DH 3323. Three laboratory hours a week. Credit: One hour.

DH 3361. Cariology. Etiology, prevention, and progression of hard tissue disease; emphasis on cariology, nutritional aspects of the disease process, and the use of chemotherapeutics. One lecture hour a week. Credit: One hour.

DH 3502. Process of Care II. Utilization of dental hygiene process of care for patients with gingivitis and/or slight periodontitis, in addition to patient management techniques for the pediatric patient. Two lecture hours a week. Credit: Two hours.

DH 3503. Clinical Dental Hygiene II. Guided practice sessions as students implement the dental hygiene process of care for healthy patients and patients with gingivitis and/or slight periodontitis; includes adjunct clinical procedures and quality assurance measures. Nine laboratory and one lecture hours a week. Credit: Three hours.

DH 3522. Oral Medicine I. Systems approach to commonly encountered medical conditions applied in delivery of the dental hygiene process of care guided by evidence-based compassionate patient care and collaboration with other health care providers as indicated. Focus on cardiac, respiratory, and endocrine disorders. Two lecture hours a week. Credit: Two hours.

DH 3532. Radiography II. Applied instruction for patient selection, exposure, processing, mounting interpretation, and evaluation of bite-wing, panographic, and periapical radiographs culminating in the exposure of radiographs; use of radiographs to assess, analyze, plan and/or evaluate a patient's oral health need, risk, and prevention or dental hygiene treatment; emphasis on radiation safety and immediate readiness for application of techniques to clinical cases. Prerequisite: DH 3321. One lecture and three laboratory hours a week. Credit: Two hours.

DH 3542. Pharmacology for the Dental Hygienist. Overview of concepts of drug therapy and specific mechanisms of action, including pharmacology, pharmacokinetics, and pharmacodynamics for drugs commonly prescribed in dentistry or for medical conditions that may alter dental hygiene treatment; includes general and local anesthetic agents. One lecture and two laboratory hours a week. Credit: Two hours.

DH 3543. Periodontal Disease I. Etiology and prevention of gingival diseases and the beginning destruction of the periodontium; emphasis on the early stage of periodontal disease, gingivitis, progressing to slight periodontitis. Three lecture hours a week. Credit: Three hours.

DH 3843. Introduction to Process of Care for Early Entry RDH to BSDH. Early entry RDH to BSDH student exploration of the professional framework within the dental hygiene scope of practice that allows for meeting individualized needs of patients; components including assessment, data analysis, plan of action, implementation, evaluation, and required documentation. Three lecture hours a week. Credit: Three hours.

DH 4302. Process of Care III. Dental hygiene process of care for patients who present with complex needs; focus on adolescent and geriatric populations; includes pain control, introduction to Texas Dental Practice Act and Rules and Regulations of the Texas State Board of Dental Examiners; and introduction to portfolio development. Two lecture hours a week. Credit: Two hours.

DH 4304. Clinical Dental Hygiene III. Integration of dental hygiene process of care using evidence-based decision-making for patients with moderate periodontal disease, providing appropriate health promotion and adjunct procedures, and continued provision of competent care for patients with less complicated needs. One lecture and sixteen clinical hours a week. Credit: Four hours.

DH 4313. Community Oral Health. Introduction to dental public health and oral health education including program assessment, planning, implementing, and evaluation. Three lecture and one laboratory hour a week. Credit: Three hours.

DH 4322. Oral Medicine II. Continuation of Oral Medicine I applying a systems approach to additional commonly encountered medical conditions in delivery of the dental hygiene process of care guided by evidence-based compassionate patient care and collaboration with other health care providers as indicated. Prerequisite: DH 3522. Two lecture hours a week. Credit: Two hours.

DH 4331. Research Development. Creation of an original research project on a topic of interest; progression from development of a research question through the IRB approval process with the possibility of carrying out the research in DH 4513 in the following semester. Prerequisite: DH 4713. One lecture and one laboratory hour a week. Credit: One hour.

DH 4342. Periodontal Disease II. Comprehensive study of periodontal diseases including risk factors, causative factors, treatment, and prognosis for advanced periodontal disease; case studies to promote critical thinking and evidence-based decision-making. Two lecture hours a week. Credit: Two hours.

DH 4501. Process of Care IV. Critical consideration of process of care, clinical issues, and communication for advanced cases; opportunities to increase skill in critical thinking through the use of complex case studies. Students will complete a program portfolio. One lectrure hour a week. Credit: One hour.

DH 4504. Clinical Dental Hygiene IV. Integration of the dental hygiene process of care for patients experiencing moderate to advanced periodontal disease with evidence-based decision-making and critical thinking. Continuation of care for patients with less complicated needs such as oral health education and various oral conditions. Incorporation of dental materials into patient care experiences. Working in interprofessional teams and/or alternative practice settings to achieve positive patient outcomes. Final preparation for clinical board exam and entry into the dental hygiene profession. Two lecture and sixteen laboratory hours a week. Credit: Four hours.

DH 4511. Dental Materials. General overview of the basic science of dental materials, including physical, chemical, and biological properties of dental materials that will be encountered in procedures within the scope of dental hygiene practice. One lecture and one laboratory hour a week. Credit: One hour.

DH 4513. Alternative Dental Hygiene Practice. Exploration of roles of the dental hygienist as they relate to alternative practice settings and opportunities with the goal of establishing short-term and long-term personal professional goals, followed by creating and completing an in-depth experience or project aligned with goals. Two lecture and two laboratory hours a week. Credit: Three hours.

DH 4531. Dental Hygiene Professional Development. Introduction to leadership and other skills essential for effective management within professional roles; exploration of and professional response to evolving topics and/or problems and potential resolutions related to the current state of oral healthcare and professional oral healthcare education. Completion of program portfolio. One lecture and one laboratory hour a week. Credit: One hour.

DH 4533. Oral Health Worldview. Synthesis and utilization of existing knowledge of the political system, stakeholders, and events related to oral healthcare in the United States to increase understanding of other cultures and the global issues of oral health and oral healthcare. Prerequisite: GOV 2013. Three lecture hours a week. Credit: Three hours.

DH 4713. Applied Evidence-based Research. Application of evidence-based research to dental hygiene practice, includes finding, accessing, interpreting, and applying scientific information. Three lecture hours a week. Credit: Three hours.

DH 4723. General and Oral Pathology. General principles related to pathology with emphasis on abnormal conditions of the head, neck, and oral cavity including clinical appearance, etiology, and treatment options; common oral lesions and interrelationships between oral and systemic conditions. Three lecture hours a week. Credit: Three hours.

DH 4823. Dental Hygiene Clinical Case Study Development. Examination and application of critical thinking and evidence-based decision-making to increase those skills in clinical practice, clinical education, or other areas of dental hygiene practice; use of prepared and student-developed case studies. Three lecture hours a week. Credit: Three hours.

DH 4833. Professional Development for the Registered Dental Hygienist. Leadership, personal professional goalsetting and planning, and other essential professional skills; exploration of and response to evolving topics and/or problems and potential resolutions related to the current state of oral healthcare and professional oral healthcare education. Three lecture hours a week. Credit: Three hours.

DH 4903. Special Topics. Study of current selected topics related to dental hygiene practice for dental hygiene degree completion. May be repeated for additional credit when topic varies. Prerequisite: Admission to degree completion program or special permission. Three lecture hours a week. Credit: Three hours.

DH 4911. Independent Study. Independent study in selected topics. Credit: One hour.

DH 4913. Independent Study. Independent study in selected topics. Credit: Three hours.

Faculty

Associate Clinical Professors

KOBERNA, LESLIE W., Associate Clinical Professor of Dental Hygiene. B.S., Weber State University; M.P.H., University of Utah; Ph.D., Texas Woman's University.

NUNN, PATRICIA J., Associate Clinical Professor of Dental Hygiene; Program Director of Dental Hygiene. B.A., Southwest Texas State University; M.S., Texas A&M University, Corpus Christi.

SPOONTS, LIZABETH A., Associate Clinical Professor of Dental Hygiene. B.S., Texas Woman's University; M.S., University of North Texas.

TEAGUE, AMY L., Associate Clinical Professor of Dental Hygiene. B.S., Texas Woman's University; M.S., Texas Woman's University.

Assistant Clinical Professors

DICKINSON, CHARLENE B., Assistant Clinical Professor of Dental Hygiene. B.S., Texas Woman's University; M.S., Texas Woman's University.

HANDMAN, RISA B., Assistant Clinical Professor of Dental Hygiene. B.S., Georgia Southern University; M.S., University of Tennessee, Memphis.

STEDKE, SCHELLI, Assistant Clinical Professor of Dental Hygiene. B.S., The Ohio State University; M.D.H., University of Tennessee.

Bachelor of Science in Dental Hygiene (Professional, Entry-Level Program)

Total Semester Credit Hours Required

120 semester credit hours.

Major

60 semester credit hours.

Admission to the Professional Entry-Level

To be considered for the professional entry-level dental hygiene program, applicants must have successfully completed or demonstrate the ability to successfully complete 60 semester credit hours prior to fall semester matriculation into the program. Credit must include the following prerequisite courses.

Required Foundational Courses [1]		
ZOOL 2013 & ZOOL 2011	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	4
ZOOL 2023 & ZOOL 2021	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	4
BACT 1003 & BACT 1001	Microbiology and Microbiology Laboratory	4
ENG 1013	Composition I	3
ENG 1023	Composition II	3
MATH 1703	Elementary Statistics I	3
NFS 2323	Introduction to Nutrition	3
Other Required Courses (Core Curriculum and Prerequisites)		
CHEM 1013 & CHEM 1011	Introductory Chemistry and Introductory Chemistry Laboratory	4
PSY 1013	Introduction to General Psychology	3
SOCI 1413	Culture, Inequality, and Self (MC/WS)	3
GOV 2013	U.S. National Government	3
GOV 2023	Texas Government	3
HIST 1013	History of the United States, 1492-1865	3
HIST 1023	History of the United States, 1865 to the Present	3
SPCH 1013	Oral Communication	3
Language, Philosophy, and Culture Core		3
Creative Arts Core		3
Mathematics or Wellness Core		3
Elective(s) to complete 60 semester credit hours.		2
Total Semester Credit Hours		60

[1] To be completed prior to application to the program.

Admission Criteria for the Professional Entry-Level Program

- Academic good standing with the college or university last attended.
- Grades of C or better in biologic sciences, nutrition, English composition, and statistics prerequisite courses.
- Completion of required foundational coursework prior to application submission.
- Other prerequisite work completed, in progress, or scheduled for completion prior to entry into the professional program.
- Knowledge of the professional ethics and of the dental hygienist's role in health care. This requirement may be met through individual research and study and/or completing DH 1101.

Application for the Professional Entry-Level Program

- Application to the University must be completed prior to application to the Dental Hygiene program.
- Applications to the University should be completed by December 1 for first round consideration and February 1 for second round consideration. Applications cannot be considered until the applicant has been accepted to TWU.
- Application materials, including hard copies of fall transcripts, should be submitted to the Dental Hygiene Program by January 10th for the first round of interviews and selections.
- A second round of applicants may be considered on a rolling basis until the class is filled; therefore, applicants may continue to apply through March 1. Applicants in the first round have the best chance for selection.

Part 1: Documentation Review

- Application materials must be complete and submitted on time.
- Cumulative GPA is computed by TWU based upon coursework previously attempted. Only applicants with a 3.0 minimum cumulative GPA will be further reviewed.
- A foundational grade point average (FGPA) will be computed using an applicant's best grades in the required foundational courses and is one criterion for admission.
- Applicants are ranked according to an Admissions Selection Rubric. Applicants with the best ratings are invited to Part 2 of the process.

Part 2: Interview and Writing Sample

- Personal interviews of competitive applicants are conducted by the Selection Committee. All expenses of the interview are the responsibility of the applicant. Applicants are assessed on the ability to communicate and articulate ideas, critical thinking skills, leadership skills, motivation for selecting oral healthcare, and overall knowledge of the dental hygiene profession and its ethics. In addition, applicants are assessed for moral/ethical character, intellectual maturity, and optimism.
- Applicants complete a short writing sample at the interview which is evaluated for clarity of thought (content), as well as structure, grammar, spelling, and punctuation.

Selection for the Professional Entry-Level Program

- Applicants will be notified of acceptance or non-acceptance on a rolling basis until the class is filled and alternates selected.
- Selected applicants must complete all required courses in order to enter the program in the fall semester. An exception may be requested for the TWU multicultural women's studies core requirement.

Academic Requirements for Students Admitted to the Professional Entry-Level Program

Students must meet all of the following requirements or be dismissed from the program.

- Earn grades of C or better in any required dental hygiene course, regardless of the overall GPA.
- Successfully progress on schedule with the entry cohort through the program in consecutive semesters. Disqualification to continue in the program or failure to register for the currently required semester of dental hygiene coursework makes a student ineligible to continue in the program; the student must reapply for admission.
- Maintain compliance throughout the program with the TWU Immunization policy from the first day of class for fall semester of the first year in the program.
- Maintain evidence of current healthcare provider CPR/AED from the first day of classes, fall semester in the junior year. Certification period must be valid from the first class day through graduation.
- Submit results of a background check and drug screening for clinical rotation sites. Licensure is required to practice dental hygiene in every state. An individual who has been convicted of a misdemeanor or felony possibly could be denied licensure as a dental hygienist. Individuals with a record should contact the state dental board about his or her specific case to determine eligibility for licensure as a dental hygienist. In addition, clinical rotation sites are a part of dental hygiene education at TWU. Inability to participate in clinical rotations may hinder or preclude a student from continuing in the program.
- Commit to devoting the time needed to complete the heavy laboratory and clinic schedules, requiring four to five full days of classes per week. One semester credit hour equals one lecture hour, two to three laboratory hours, or three to five clinic hours per week.
- Use of the appropriate appeal process by any student dismissed from the program.

Bachelor of Science in Dental Hygiene Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
BACT 1003 & BACT 1001	Microbiology and Microbiology Laboratory	(BIOL 2320) and (BIOL 2120)	4
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Wellness or Mathematics CAO Core			2
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		13
Spring		**TCCN**	
ZOOL 2013 & ZOOL 2011	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	4

PSY 1013	Introduction to General Psychology	PSYC 2301	3
SOCI 1413	Culture, Inequality, and Self		3
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
	Semester Credit Hours		16

Second Year

Fall		**TCCN**	
ZOOL 2023 & ZOOL 2021	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	(BIOL 2302, BIOL 2402) and (BIOL 2102)	4
NFS 2323	Introduction to Nutrition	HECO 1322, BIOL 1322	3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
SPCH 1013	Oral Communication	SPCH 1311	3
GOV 2013	U.S. National Government	GOVT 2305	3
	Semester Credit Hours		16
Spring		**TCCN**	
CHEM 1013 & CHEM 1011	Introductory Chemistry and Introductory Chemistry Laboratory	(CHEM 1305, CHEM 1405) and (CHEM 1105)	4
GOV 2023	Texas Government	GOVT 2306	3
Language, Philosophy & Culture Core			3
Creative Arts Core			3
Elective			2
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
DH 3302	Process of Care I		2
DH 3304	Clinical Dental Hygiene I: Preclinical		4
DH 3311	Professionalism and Ethics		1
DH 3321	Radiography I: Introduction		1
DH 3323 & DH 3341	Orofacial Biology and Orofacial Biology Lab		4
	Semester Credit Hours		12
Spring		**TCCN**	
DH 3361	Cariology		1
DH 3502	Process of Care II		2
DH 3503	Clinical Dental Hygiene II		3
DH 3522	Oral Medicine I		2
DH 3532	Radiography II		2
DH 3542	Pharmacology for the Dental Hygienist		2
DH 3543	Periodontal Disease I		3
	Semester Credit Hours		15
Summer		**TCCN**	
DH 4713	Applied Evidence-based Research		3
DH 4723	General and Oral Pathology		3
	Semester Credit Hours		6

Fourth Year

Fall		**TCCN**	
DH 4302	Process of Care III		2
DH 4304	Clinical Dental Hygiene III		4
DH 4313	Community Oral Health		3
DH 4322	Oral Medicine II		2
DH 4331	Research Development		1
DH 4342	Periodontal Disease II		2
	Semester Credit Hours		14
Spring		**TCCN**	
DH 4501	Process of Care IV		1
DH 4504	Clinical Dental Hygiene IV		4
DH 4511	Dental Materials		1
DH 4513	Alternative Dental Hygiene Practice		3
DH 4531	Dental Hygiene Professional Development		1

DH 4533	Oral Health Worldview	3
	Semester Credit Hours	13
	Total Semester Credit Hours:	120

Registered Dental Hygienist to Bachelor of Science in Dental Hygiene (Online Program)

RDH to BS Program

Admission to the Registered Dental Hygienist to B.S. in Dental Hygiene Program

The online RDH-to-BS program allows an individual, who has either graduated from a Commission on Dental Accreditation (CODA) accredited Program in Dental Hygiene or must be currently enrolled as a student in a CODA accredited Program in Dental Hygiene (early entry), to earn a Bachelor of Science degree in Dental Hygiene. This program does not fulfill requirements for licensure as a dental hygienist. A total of 90 semester credit hours may be transferred into the program; up to 84 of those semester credit hours may be lower division. Transfer courses may include bachelor's degree requirements for Texas and TWU as well as some courses from previous dental hygiene coursework.

Eligibility

Applicants must

- Meet TWU entrance requirements and complete the TWU Application for Admission.
- Meet Dental Hygiene Program entrance requirements, which include graduation from a Dental Hygiene Program accredited by the Commission on Dental Accreditation (CODA) or current status of good standing as a dental hygiene student in a CODA accredited program. Complete the TWU Dental Hygiene Program Application for Admission.
- An applicant who desires early entry into the RDH to BS program must be currently enrolled as a dental hygiene student and must obtain written approval from the Dental Hygiene Program Director to matriculate into the RDH to BS Program.
- Send official transcripts from all colleges attended to

  TWU Dental Hygiene
  attn.: RDH-to-BS Program
  P.O. Box 425796
  Denton, TX 76204-5796

- Have regular access to a computer, which meets standards compatible with TWU Distance Education, and high speed Internet access.

Upon acceptance into the program, an advisor will work with the individual to determine requisite coursework in accordance with the student's interests and previous course credits.

Program Requirements

- Complete the Texas general education core curriculum and TWU bachelor's degree course requirements (listed elsewhere in this catalog)
- Complete 36 semester credit hours of upper level courses, including 18 semester credit hours of requisite RDH to BS dental hygiene courses. Remaining upper division coursework may be selected from elective courses appropriate for personal professional goals and in certain core areas (Visual or Performing Arts, Humanities, Multicultural Women's Studies, Global Perspectives, and Computer Science, and/or Dental Hygiene).
- Complete remaining semester credit hours required for the degree. Dental hygiene coursework must receive a grade of C or better to be accepted toward the degree. Additional dental hygiene coursework from an associate's degree program may be transferred for remaining credits. Note: Graduates from institutions with whom the TWU Dental Hygiene Program has articulation agreements are admitted and courses accepted per agreements.

RDH to BS Curriculum (120 semester credit hours)

Required

Core Curriculum (may be transferred up to semester credit hour limit)		42
Entry-Level Dental Hygiene coursework (transferred from AAS DH program)		TBD
RDH to BSDH major required courses (upper division courses).		18
DH 3843	Introduction to Process of Care for Early Entry RDH to BSDH (DH 3843 is offered in spring. DH 3303 is offered in fall.)	
or DH 3303	Process of Care for the Registered Dental Hygienist	
DH 4833	Professional Development for the Registered Dental Hygienist (Offered in fall)	
DH 4713	Applied Evidence-based Research (Offered in spring)	
DH 4533	Oral Health Worldview (Offered in fall)	
DH 4823	Dental Hygiene Clinical Case Study Development (Offered in spring)	
DH 4513	Alternative Dental Hygiene Practice (Offered in fall)	
Elective Courses		
DH 4903	Special Topics (Can be taken in any semester offered)	
DH 4911	Independent Study (Can be taken in any semester offered)	
DH 4913	Independent Study (Can be taken in any semester offered)	
Additional upper division courses are required to equal a total of 120 credit hours (May include courses relevant to dental hygiene, personal professional goals, core curriculum, and/or other applicible TWU courses.)		18

School of Occupational Therapy

Web Site: http://www.twu.edu/ot

Director: *Cynthia Evetts, Associate Professor*
Location: *MCL 810*
Phone: *940-898-2801*
Fax: *940-898-2806*
E-mail: *ot@twu.edu*

Associate Directors:

Denton (Interim): *Noralyn Pickens, Associate Professor*
Phone: *940-898-2801*

Dallas: *Noralyn Pickens, Associate Professor*
Phone: *214-689-7750*

Houston: *Patricia Bowyer, Professor*
Phone: *713-794-2128*

Occupational therapy is a health care profession whose members work to foster full participation in everyday life for persons with physical, cognitive, emotional, or societal restrictions. Occupational therapy is based on the premise that engagement in real life activities in prescribed areas with specific goals promotes health and wellness.

To enter a career as an occupational therapist a graduate degree is required. Please refer to the Graduate Catalog (http://catalog.twu.edu/graduate) for a full description of the Master of Occupational Therapy program and requirements for application. In addition, The School of Occupational Therapy offers an Alumni Advantage for high performing graduates from selected majors at Texas Woman's University.

General Application to the Master of Occupational Therapy Program at TWU

The School of Occupational Therapy invites application to the Master of Occupational Therapy program from any individual meeting minimum requirements. Application is competitive. Students are admitted to the Master of Occupational Therapy program once a year in the fall semester. Applications are accepted via OTCAS and must be submitted by October 15 for consideration for entry in the subsequent fall semester. The TWU Graduate Catalog should be consulted for directions regarding minimum criteria for general admission to the MOT programs offered in Denton, Dallas, and Houston.

The Alumni Advantage Process for High Performing Graduates from Selected TWU Majors

In addition to the general applications, Texas Woman's University graduates who qualify (see criteria below) may apply for an Alumni Advantage for assured admission into the MOT program. Five majors at Texas Woman's University offer degree plans in preparation for occupational therapy. Undergraduates who want to prepare for application to the Master of Occupational Therapy and qualify for the Alumni Advantage program select a major in child development, family studies, kinesiology, psychology, or health studies. Please refer to these programs for specific course and major information. TWU undergraduate core requirements, the required courses in the major, and the prerequisite and required courses for the Master of Occupational Therapy Alumni Advantage are included in these degree plans. All undergraduate advising is conducted within the major department.

Transfer students

Students may transfer coursework from an accredited institution. The university and the major departments of child development, family studies, kinesiology, psychology, or health studies determine which courses may be applied to the undergraduate degree.

Minimum Criteria for Alumni Advantage Admission

- Texas Woman's University bachelor degree with a pre-OT track degree plan majoring in child development, family studies, kinesiology, psychology, or health studies.
- Overall grade point average of 3.7 calculated at the time of application on last 60 semester credit hours before completion of the Texas Woman's University baccalaureate degree, and maintenance of a 3.7 GPA or higher through graduation.
- Report from the Graduate Record Examinations (GRE) taken within 5 years of application date.
- A prerequisite grade point average of 3.5 with grade of a B or higher for each prerequisite and additional pre-occupational therapy track* courses. These courses are:
  - *Math Sciences*
    - Elementary Statistics
  - *Biological Sciences*
    - Anatomy & Physiology I
    - Anatomy & Physiology II
    - Kinesiology/ biomechanics*
    - Neuroanatomy/Physiology Lecture*
    - Neuroanatomy/Physiology Lab*
  - *Behavioral Sciences*
    - Developmental Psychology or lifespan development
    - Abnormal Psychology
  - *Certificate of competency in medical terminology*
- Submission of a School of Occupational Therapy application that includes:
  - A favorable report from a minimum of 20 hours of recent volunteer work under the immediate supervision of an occupational therapist. This must be done within 2 years of application for admission to the MOT program. The applicant is responsible for arranging the volunteer experience and securing the recommendation materials from the School of OT (http://www.twu.edu/occupational-therapy).
  - A favorable Academic Recommendation from a TWU faculty instructor of an upper division course in the student's major.
- Admission to Texas Woman's University Graduate School

Alumni Advantage Application

Applicants requesting Texas Woman's University Alumni Advantage admission may apply the year prior to the completion of their degree. Applications must be submitted via OTCAS by October 15 for consideration for entry in the subsequent fall semester. Applicants requesting Alumni Advantage must demonstrate an

overall grade point average of 3.7 on the last 60 semester credit hours completed at the time of application, as well as a 3.5 grade point average on prerequisites and maintain these averages until the award of the undergraduate degree. Assured admission status will be revoked for applications not meeting this standard.

Class size in the Master of Occupational Therapy program is regulated by accreditation requirements. Entry into the program for Texas Woman's University graduates who have met the Alumni Advantage requirements may be delayed dependent on that year's number of eligible Alumni Advantage entry applicants.

The Graduate Catalog contains detailed instructions for application to the Master of Occupational Therapy program. Application materials are posted on the School of Occupational Therapy webpage.

NOTE: If accepted into occupational therapy courses, proof of immunization record, background check, and drug screening will be required.

The Master of Occupational Therapy program is accredited by the Accreditation Council of Occupational Therapy Education (ACOTE). With successful completion of the Master of Occupational Therapy degree, the student is eligible to apply for the certification examination given by the National Board for Certification of Occupational Therapy (http://www.nbcot.org). *Note: The National Board for Certification in Occupational Therapy (NBCOT) may bar persons from taking the certification examination for the following reasons: 1) felony conviction, 2) adverse action related to professional license, registration, or certification, 3) documented misconduct, and/or 4) suspension or expulsion from an institute of higher education. The School of Occupational Therapy recommends that students with questions concerning their eligibility to take this required examination to be credentialed as an occupational therapist, contact NBCOT for an "early determination review."*

ACOTE
P.O. Box 31220
Bethesda, MD 20824-1220
301-652-2682

Courses

OT 4901. Special Topics. Study of selected topics in the field of occupational therapy. One lecture hour a week. Credit: One hour.

OT 4902. Special Topics. Study of selected topics in the field of occupational therapy. Two lecture hours a week. Credit: Two hours.

OT 4903. Special Topics. Study of selected topics in the field of occupational therapy. Three lecture hours a week. Credit: Three hours.

OT 4911. Independent Study. Credit: One hour.

OT 4913. Independent Study. Credit: Three hours.

Faculty

Professors

BAXTER, MARY FRANCES, Professor of Occupational Therapy. B.S., Colorado State University; M.A., Texas Woman's University; Ph.D., University of Houston .

BOWYER, PATRICIA L., Professor of Occupational Therapy; Associate Director of the School of Occupational Therapy: Houston. B.A., Milligan College; M.S., Eastern Kentucky University; Ed.D., East Tennessee State University.

CHAN, JOSEPHINE SUK-KUEN, Professor of Occupational Therapy. B.S., Hong Kong Polytechnic University; M.A., Texas Woman's University; Ph.D., University of Houston .

HERSCH, GAYLE I., Professor of Occupational Therapy. B.S., Indiana University-Bloomington; M.S., Indiana University/Purdue University at Indianapolis; Ph.D., Indiana University-Bloomington.

NEVILLE-SMITH, MARSHA A., Professor of Occupational Therapy. B.S., Eastern Michigan University; M.S., University of Texas at Dallas; Ph.D., University of Texas at Dallas.

Associate Professors

AMERIH, HUSNY, Associate Professor of Occupational Therapy. B.S., King Hussein Medical Center, Amman, Jordan; M.S., University of Central Arkansas; Ph.D., Texas Woman's University.

BOWMAN, O. J., Associate Professor of Occupational Therapy. B.S., University of Wisconsin, Madison; M.S., Washington University, St. Louis; Ph.D., Texas A&M University.

CHANG, PEI-FEN J., Associate Professor of Occupational Therapy. B.S., National Taiwan University; M.S., University of Southern California; Ph.D., University of Texas Medical Branch.

EVETTS, CYNTHIA L., Associate Professor, Director of the School of Occupational Therapy. B.S., Texas A&M University; M.O.T., Texas Woman's University; Ph.D., Texas Woman's University.

FLETCHER, TINA S., Associate Professor of Occupational Therapy. B.S., University of Texas Medical Branch; B.F.A., East Texas State University; M.A., University of Alabama; M.F.A., Texas A&M University-Commerce; Ed.D., Texas A&M University-Commerce.

PICKENS, NORALYN D., Associate Professor of Occupational Therapy; Associate Director of the School of Occupational Therapy : Dallas. B.S., University of Wisconsin, Milwaukee; M.S., University of Wisconsin, Milwaukee; Ph.D., University of Wisconsin, Madison.

Assistant Professors

HAN, AREUM, Assistant Professor of Occupational Therapy. B.A., Yonsei University South Korea; M.S., University of Kansas; Ph.D., University of Kansas.

VAS, ASHA K., Assistant Professor of Occupational Therapy. B.O.T., Christian Medical College; M.A., St. Catherine University; Ph.D., The University of Texas at Dallas.

WASHINGTON, FERMOND (LEON) F., Assistant Professor of Occupational Therapy. B.S. Texas Woman's University; M.S.W. Our Lady of the Lake University; Ph.D. Texas Woman's University.

Visiting Assistant Professor

WREN, RENE', Visiting Assistant Professor of Occupational Therapy. B.S., Louisiana State University Health Sciences Center; O.T.D., Chatham University.

Associate Clinical Professors

BROWN, DIANE P., Associate Clinical Professor of Occupational Therapy. B.S., Baylor University; M.O.T., Texas Woman's University; Ph.D., University of North Texas.

BUCKINGHAM, DEBORAH K., Associate Clinical Professor of Occupational Therapy. B.S., Texas Woman's University; M.S., University of North Texas.

FETTE, CLAUDETTE A., Associate Clinical Professor of Occupational Therapy. B.S., Texas Woman's University; M.S., University of North Texas; Ph.D., Texas Woman's University.

Assistant Clinical Professors

HENNIGAN, MARY L., Assistant Clinical Professor of Occupational Therapy. B.A., Dominican University; M.B.A., University of Dallas; M.O.T., Texas Woman's University.

LEVANDOWSKI, SHANNON, Assistant Clinical Professor of Occupational Therapy; Academic Fieldwork Coordinator for the School of Occupational Therapy. B.A., Clemson University; B.S., University of Wisconsin, Milwaukee; M.S. Boston University; OTD, Boston University.

LOHMANN, ALICIA F., Assistant Clinical Professor of Occupational Therapy. B.S., Texas A&M University; M.O.T., Texas Woman's University.

MASON, VICKI C., Assistant Clinical Professor of Occupational Therapy. B.S., Murray State University; M.S., University of St. Francis.

SIT, WILLIAM (YAU CHI BOOGIE), Assistant Clinical Professor of Occupational Therapy. Professional Diploma, Hong Kong Polytechnic; M.A., Texas Woman's University; Ph.D., Texas Woman's University.

School of Physical Therapy

Web Site: http://www.twu.edu/physical-therapy

Director: *Ann Medley (Dallas), Professor*

Associate Directors:
Peggy Gleeson (Houston), Professor
Mary Thompson (Dallas Interim), Professor

Location for information: *HDB 202*
Phone: *940-898-2460*
Fax: *940-898-2853*
E-mail: *pt@twu.edu*

To enter a career as a physical therapist, a graduate degree (Doctor of Physical Therapy) is required. Applicants must have a bachelor's degree and the prerequisites to be eligible to apply to the Doctor of Physical Therapy program. Undergraduate students at Texas Woman's University have the opportunity to complete the prerequisites for the program while also completing a bachelor's degree. Pre-Physical Therapy degree plans that include physical therapy prerequisites are offered in biology (p. 84), kinesiology (p. 302), health studies (p. 291), psychology (p. 157), and child development (http://catalog.twu.edu/undergraduate/professional-education/family-sciences).

The Doctor of Physical Therapy (DPT) is a professional degree at the doctoral level accredited by the Commission on Accreditation of Physical Therapy Education (http://www.capteonline.org/home.aspx). Upon completion of course requirements for the professional degree, a graduate is eligible to apply for licensure to practice physical therapy and for active membership in the American Physical Therapy Association (http://www.apta.org). The DPT program is a 33-month, 98 semester-credit-hour program. Students are in class year round. As part of the professional curriculum requirements, students participate in additional enrichment with patient-related activities. During the second and third years students must be prepared to spend a total of 32 weeks at four different clinical sites which may necessitate additional expense for housing and transportation.

The Doctor of Philosophy degree in physical therapy at Texas Woman's University produces graduates who can become leaders in the field of physical therapy and who are well-prepared to pursue careers in education and research in physical therapy. The Ph.D. program is offered via on-line and on-campus learning experiences in Dallas and Houston.

DPT Program

The DPT program is available in both Dallas and Houston. Applicants must indicate the center for which they are applying. Students at both locations are encouraged to have transportation available to visit clinical facilities at some distance from the centers.

Prerequisites for DPT Admission

- Chemistry with laboratory: Two (2) semester (8 semester credit hours)
  - Chemistry for non-science majors is Not accepted
- Physics with laboratory (algebra-based is acceptable / calculus-based): Two (2) semesters (8 semester credit hours)
  - Physics for non-science majors is Not accepted
- Anatomy and Physiology with laboratory: Two (2) semesters (8 semester credit hours)
- College Algebra; One (1) semester or higher (excluding statistics)
- Psychology (6 semester credit hours) - including General or Intro Psychology (3 semester credit hours) and one of the following: Lifespan Developmental Psychology, Abnormal Psychology or Physiological Psychology (3 semester credit hours); excluding statistics
- Medical Terminology

Strongly Recommended:

- Exercise Physiology
- Statistics (3 semester credit hours)
- Advance Physiology
- Neuro Anatomy / Physiology

DPT Application Requirements

The DPT program begins in the fall semester (late August) each year. Admission to the professional DPT curriculum in physical therapy is competitive and separate from admission to the university. TWU School of Physical Therapy participates in the Physical Therapist Centralized Application Service (PTCAS). A predetermined number of students can be accepted based on availability of clinical facilities, space, and faculty. Application review begins in September, preceding the year of admission, and the deadline for receipt of materials is approximately October 15th. The specific deadline changes each year (see the School of Physical Therapy website (http://www.twu.edu/physical-therapy/entry-level-dpt.asp) for the exact date)

In addition to general university, graduate school, and Physical Therapy Centralized Application System (PTCAS) requirements; the School of Physical Therapy requires the following for application for admission to the DPT program:

1. Completion of baccalaureate degree
2. In process of completion of all prerequisite coursework
3. A minimum grade of C in most prerequisite courses; an overall GPA of 3.5 or higher is usually needed to be competitive.
4. Submitted scores on the verbal, quantitative, and writing sections of the Graduate Record Exam (GRE). Use code 1673.
5. Eligibility for acceptance into the Graduate School
6. Statement of interest in the physical therapy profession (submitted to PTCAS)
7. Two (2) completed recommendation forms from physical therapists (licensed in the U.S.) at two differently owned physical therapy facilities where the student has observed or worked for a minimum of 40 hours per facility, plus one additional letter of recommendation (submitted to PTCAS). Student must have both inpatient and outpatient experiences.
8. Personal resume (submitted to pt@twu.edu)
9. Prerequisites Form found on the School of Physical Therapy website (submitted to pt@twu.edu).
10. International students will also need to submit TOEFL and TSE-Academic scores. The new TOEFL IBT includes both exams. Information can be found at http://www.ets.org/toefl. International transcripts will be evaluated by our International Office for U.S. equivalencies.

TOEFL IBT (for international applicants or if your bachelor's degree is not from the US)) minimum scores accepted in each area for PT School:

- Reading 21
- Listening 18
- Speaking 26
- Writing 24
- **TOTAL** 89

See the School of Physical Therapy website (http://www.twu.edu/physical-therapy/entry-level-dpt.asp) for the most current application information.

Admission Process

Completed applications (including ApplyTexas and PTCAS applications) are reviewed by the Physical Therapy Admissions Committee, and those accepted into the program will be notified no later than the spring of the year for which admission is sought.

After applicants are officially notified of provisional acceptance by the graduate school they must:

- Submit evidence of completing outstanding prerequisites with grades of A or B (prior to first enrollment). Both the Last 60 hours and the Prerequisite Math & Science GPA (note courses included, see School of Physical Therapy website) must be above 3.0 to be eligible to apply and maintained each semester before entering the DPT program (an offer can be rescinded.) Earned grades for all prerequisites including psychology and medical terminology must be a C or better. (Note our typical accepted student has a GPA above 3.5 with mostly A's in prerequisites.)
- Submit proof of immunization required by the School and the State of Texas.
- Maintain continuous health insurance throughout entire program.
- Maintain current CPR and AED Certificate from the American Heart Association throughout program.
- A background check and drug test will also be required. Drug screens will be conducted on site during the first week of the program.

Progression after Admittance

A student in physical therapy is expected to abide by the regulations as set forth in the general and graduate catalogs and the written policies of the School of Physical Therapy (http://www.twu.edu/physical-therapy). Policies of the school add to or update the information in the catalog and are subject to annual review. In addition, course offerings and policies in this catalog are subject to periodic review and change.

- Students must earn a 3.0 GPA and keep good standing in the Graduate School. Students are only allowed up to two (2) grades of "C" in their degree plan for the entry-level Doctor of Physical Therapy.
- Successful completion of all courses in one semester is required before progression to the next semester.
- Grades lower than a C are not acceptable in physical therapy coursework.
- Prior to graduation a student must have demonstrated competency in all areas of physical therapy. Written and practical examinations are used in most courses to evaluate student competence. Practical exams must be passed with a grade of 80% in order to successfully complete the course.
- In order to progress to clinical internships the student must comply with policies of the School of Physical Therapy (http://www.twu.edu/physical-therapy).
- Progression in clinical coursework is governed by policies related to grading and safety in the clinical setting and by contracts with clinical facilities.
- Clinical sites and the director of clinical education have the right to remove a student from a clinical site.
- If a grade of F is earned in a clinical course, the student is terminated from the program. In order to be reinstated in the program, the student must request to retake the course by following the appeal process of the School and the university.

Clinical Sites

Clinical education experiences are an exciting required part of the student's educational program. Completion of coursework does not guarantee that a student will be provided an affiliation at a specific time or at a particular facility as this depends on the educational needs of the student and the availability of clinical facilities. However, every attempt will be made to plan a student's affiliations in proper sequence.

DPT to Ph.D. Program

This program is designed for the entry-level DPT student who wishes to begin the PhD program while in the entry-level program.

- Students apply as usual and must be admitted to the entry-level program.
- Applications for this consecutive degree program are not accepted until the 2nd or 5th semester of the DPT program.
- Minimum of 37 semester credit hours following the DPT degree is expected for the Ph.D. degree

Faculty

Professors

BARTLETT, WILLIAM P., Professor of Physical Therapy. B.S., State University of New York, Stony Brook; Ph.D., Albany Medical College.

DA SILVA, CAROLYN P., Professor of Physical Therapy. B.A., Rice University; M.S., Texas Woman's University; D.Sc., University of Alabama, Birmingham.

GLEESON, PEGGY B., Professor of Physical Therapy; Associate Director of the School of Physical Therapy : Houston. B.S., St. Louis University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

MEDLEY, SYLVIA ANN, Professor of Physical Therapy; Director of the School of Physical Therapy. B.A., University of Texas at Austin; B.S., University of Texas Health Science Center-Dallas; M.S., Texas Woman's University; Ph.D., University of Texas at Dallas.

ORTIZ RODRIGUEZ, ALEXIS, Professor of Physical Therapy. B.S., University of Puerto Rico; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

PRICE, SHARON S., Professor of Physical Therapy. B.S., National Taiwan University : Taipei, Taiwan; M.S., University of Pittsburgh; Ph.D., Texas Woman's University.

RODDEY, TONI S., Professor of Physical Therapy. B.S., University of Texas Medical Branch; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

THOMPSON, MARY E., Professor of Physical Therapy. B.S, University of Kentucky; M.S., Texas Woman's University; Ph.D., University of North Texas.

TRUDELLE-JACKSON, ELAINE, Professor of Physical Therapy. B.S., Texas Woman's University; M.S., University of North Texas; Ph.D., Texas Woman's University.

Associate Professors

LIN, SUH-JEN, Associate Professor of Physical Therapy. B.A., National Taiwan University; M.S., Massachusetts General Hospital Institute of Health Professions; Ph.D., University of Iowa.

MITCHELL, KATY E., Associate Professor of Physical Therapy. B.S., University of California, Davis; M.S., Pacific University; Ph.D., Texas Woman's University.

Assistant Professors

BICKLEY, CHRISTINA, Assistant Professor of Physical Therapy. B.A., State University of New York, Stonybrook; M.H.S., University of Indianapolis; Ph.D., Texas Woman's University .

BREWER, WAYNE A., Assistant Professor of Physical Therapy. B.A., University of Pittsburgh; M.P.H., University of Pittsburgh; Ph.D., Texas Woman's University.

BRIZZOLARA, KELLI J., Assistant Professor of Physical Therapy. B.S., Texas A&M University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

CSIZA, LINDA A., Assistant Professor of Physical Therapy. B.S., Texas Woman's University; M.S., Rocky Mountain University of Health Professions; D.Sc., Rocky Mountain University of Health Professions.

ELLISON, JENNIFER, Assistant Professor of Physical Therapy. B.S., University of Oklahoma; M.S.H., Washington University, St. Louis; Ph.D., Texas Woman's University.

GOH, HUI-TING, Assistant Professor of Physical Therapy. M.S., Texas Woman's University; Ph.D., University of Southern California.

SWANK, CHAD D., Assistant Professor of Physical Therapy. B.A., Point Loma Nazarene College; M.S., Regis University; Ph.D., Texas Woman's University.

SWANSON, BRIAN T., Assistant Professor of Physical Therapy. B.S., Quinnipiac College; D.Sc., Andrews University.

TSENG, SHIH-CHIAO, Assistant Professor of Physical Therapy. B.S., National Cheng Kung University; M.S., National Taiwan University; Ph.D., University of Maryland, Baltimore.

Associate Clinical Professor

PATEL, RUPAL M., Associate Clinical Professor of Physical Therapy. B.S., Texas Woman's University; M.S., Texas Woman's University.

Assistant Clinical Professors

ANDERLE, DALE W., Assistant Clinical Professor of Physical Therapy. B.A., University of North Texas; M.S., Texas Woman's University; D.P.T., A.T. Still University.

SHIRLEY, KATHLEEN, Assistant Clinical Professor of Physical Therapy. B.S., East Carolina University; D.P.T., Texas Woman's University.

SZOT, C. LAUREN, Assistant Clinical Professor of Physical Therapy. B.S., Louisiana State University; M.S., D.P.T., Louisiana State University Health Science Center..

College of Nursing

http://www.twu.edu/nursing/

Dean: *Anita Hufft, Professor*
Location: *ASB 216, Denton*
Phone: *940-898-2401*
Fax: *940-898-2437*

Denton: *940-898-2401*
Assistant Dean, Denton: *Damon Cottrell,* Clinical Professor

Dallas: *214-689-6510*
Associate Dean, Dallas: *Stephanie Woods, Associate Professor*

Houston: *713-794-2100*
Associate Dean, Houston: *Ainslie T. Nibert, Associate Professor*

The College of Nursing Bachelor of Science degree with a major in nursing is approved by the Texas Board of Nursing and accredited by the Commission on Collegiate Nursing Education. Graduates of the pre-licensure program are eligible to apply to take the examination for licensure as registered nurses. The nursing program prepares students to assume entry level positions in nursing practice and provides the academic foundation for advanced study in nursing.

The baccalaureate nursing major requires a minimum of 120 semester credit hours. Students may take all course work at TWU or may take the lower-division non-nursing courses at another college or university and the upper-division nursing courses at TWU. Freshman and sophomore courses are offered on the Denton campus. The junior and senior courses are available at Dallas and Houston.

Expenses of the Nursing Program

In addition to University tuition and fees, the student majoring in nursing assumes financial responsibility for the following: uniforms, other clinical accessories and equipment, immunizations, drug and criminal background screening, personal computers, and Texas Board of Nursing application fees. The student must also provide his or her own transportation. Information regarding required tuition and fees (p. 30) and length of program (p. 346) is included in this catalog.

Honors Scholar Program

The College of Nursing provides the opportunity for students to participate in the Texas Woman's University Honors Scholar Program (p. 59). The program seeks to develop scholars with excellent technological, writing and research skills as well as clinical expertise. These skills will be developed through both enhanced course work and experiential learning in the college as well as related health care agencies. To participate, students must meet the Texas Woman's University Honors Scholar Criteria. All applicants who are currently participating in the Honors Scholar Program at TWU and meet the minimum requirements for admission to upper division nursing courses are automatically granted admission to upper division nursing courses.

Graduate Program

The College of Nursing offers work leading to the Master of Science, Doctor of Philosophy, and Doctor of Nursing Practice degrees in nursing. For further information see the Graduate Catalog (http://catalog.twu.edu/graduate/nursing). See chart of TWU NURS courses to the Field of Study Blocked Curriculum Grid (p. 348) that demonstrates transferability of courses through the Workforce Education Course Manual (WECM).

Admissions: Pre-Licensure

Prerequisite and Admission Requirements

Pre-Licensure/Non-Nurses Seeking a First Bachelor's Degree

All applicants must meet the TWU general admission requirements (p. 18). Individuals apply to the University and indicate "Nursing Entry (BS)" as a major on the application. On admission to the University, students are classified as nursing-entry majors and meet with academic advisors in the College of Nursing.

The program is four years in length. The first four semesters consist of lower-division prerequisite courses that meet the University core curriculum (p. 47) and courses which are the essential foundation for nursing education. Upper-division nursing courses are taught in the last four semesters and are offered only in Dallas and Houston. Admission Coordinators are available at each campus to assist students in evaluation of prior course work, selection of equivalent courses, and verification of eligibility. The following list constitutes the lower-division prerequisite courses.

UNIV 1231	Learning Frameworks: The First Year Experience (Required only of students who start as freshmen at TWU)	1
ENG 1013	Composition I	3
ENG 1023	Composition II	3
HIST 1013	History of the United States, 1492-1865	3
HIST 1023	History of the United States, 1865 to the Present	3
GOV 2013	U.S. National Government	3
GOV 2023	Texas Government	3
PSY 1013	Introduction to General Psychology	3
PSY 1603	Developmental Psychology (Lifespan)	3
MATH 1703	Elementary Statistics I	3
NFS 2323	Introduction to Nutrition	3
Chemistry with corresponding laboratory		4
BACT 1003 & BACT 1001	Microbiology and Microbiology Laboratory	4
ZOOL 2013 & ZOOL 2011	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	4
ZOOL 2023 & ZOOL 2011	Human Anatomy and Physiology II and Human Anatomy and Physiology I Laboratory	4
Select 3 semester credit hours from each of the following:		9
Language, Philosophy and Culture core		
Creative Arts core		
Multicultural Women's Studies core		
Select 2-3 semester credit hours from the following:		2-3
Additional Mathematics or Wellness core		
Total Semester Credit Hours		58-59

Substitutions will be made, when applicable, to TWU core curriculum requirements, if those requirements are met at another Texas public institution of higher learning. Transfer students who have completed a Texas core curriculum from a Texas public institution are not required to complete additional courses at TWU to meet the TWU core curriculum.

Pre-Licensure/Non-Nurses with a Prior Bachelor's Degree in Another Field

Individuals with a prior bachelor's degree are not required to meet the TWU core curriculum. Prerequisites for those with a prior bachelor's degree are limited to the nursing foundation courses and the state required history and government courses, as listed below. Courses taken for the first degree will not have to be repeated if they are determined to be equivalent.

HIST 1013 & HIST 1023	History of the United States, 1492-1865 and History of the United States, 1865 to the Present	6
GOV 2013 & GOV 2023	U.S. National Government and Texas Government	6
PSY 1603	Developmental Psychology (Lifespan)	3
MATH 1703	Elementary Statistics I	3
NFS 2323	Introduction to Nutrition	3
Chemistry with corresponding laboratory		4
BACT 1003 & BACT 1001	Microbiology and Microbiology Laboratory	4
ZOOL 2013 & ZOOL 2011	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	4
ZOOL 2023 & ZOOL 2021	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	4
Total Semester Credit Hours		37

Transfer Pre-Licensure/Non-Nurses from Another Nursing Program

Non-nurses previously enrolled in another nursing program must meet the same prerequisite and admission requirements as other TWU pre-licensure students, and be accepted both by Texas Woman's University and the TWU College of Nursing. Additionally, the following requirements must be met.

1. Nursing courses were completed at a nationally accredited nursing program.
2. A grade of C or better was earned in all nursing courses (including pathophysiology).
3. Nursing courses transferred in for credit must have been completed within the last five years.
4. Eligibility to continue in or return to the previous nursing program must be verified by a statement from the dean of the previous program.
5. Applicants must submit to the College of Nursing a course syllabus for each completed nursing course for evaluation. If the course(s) is/are determined to be equivalent to TWU nursing courses, credit may be granted.
6. At least 30 of the last 62 hours have to be completed at TWU.
7. A minimum of 45 hours have to be completed at TWU to graduate with honors.
8. Successful completion of a minimum of 25% of the total hours required for the degree must be taken at TWU.
9. If a transfer student has not been enrolled in a nursing program for more than one year, placement test(s) and clinical skills assessment may be used to determine the level of entry into the nursing program.

Application for Upper-Division Nursing: Pre-Licensure/Non-Nurses

Only students accepted to the College of Nursing may enroll in upper-division nursing courses. Class space in nursing courses is limited and admission to the College of Nursing is competitive. Admission to upper-division nursing courses is based on grade point averages for prerequisite coursework and admission assessment test scores. Preferential consideration will be given to students who have completed 32 or more semester credit hours of the required non-nursing lower division courses at TWU (16 for those with a prior bachelor's degree) by the application deadline and/or students with a prior bachelor's degree.

To be eligible to be considered for progression into upper-division (3000-4000 level) nursing courses, students must have:

1. been admitted to TWU using the Texas Common Online application. Students completing prerequisites at another institution should submit all TWU general admission materials at least 6 weeks prior to the upper-division nursing application deadlines. Official transcripts of courses taken during the semester of application to TWU must be sent to the Office of Admissions Processing immediately following completion of the courses;
2. successfully completed the following 25 semester credit hours of nursing foundation courses by the nursing application deadline: Anatomy & Physiology I, with lab; Anatomy & Physiology II, with lab; Microbiology, with lab; Chemistry, with lab; Developmental Psychology; Nutrition; and Statistics;
3. successfully completed an additional 21 credit hours of core requirements for a total of 46 completed hours of prerequisite courses by the nursing application deadline (first bachelor's degree students only);
4. completed all remaining lower-division prerequisite courses, with the exception of Multicultural Women's Studies, before beginning the nursing courses;
5. a minimum grade of C in anatomy and physiology, chemistry, and microbiology including all labs. Anatomy and physiology prerequisites must be the courses offered for science majors.
6. a minimum GPA of at least 3.0 on the required non-nursing lower-division courses. If a course is taken more than once, the most recent grade received will be counted in calculating the GPA. Other courses which an applicant may have taken are not calculated in the GPA for admission;
7. successfully passed the required nursing entrance exam. Entrance exam must be taken (with scores requested to be sent to TWU) by the nursing application deadline.
8. submitted an application for upper-division nursing through NursingCAS (http://www.nursingcas.org), including application fee, to the College of Nursing by the application deadline.

Application Deadlines

College of Nursing applications for upper-division nursing must be received by the following yearly dates in order to be considered for admission:

- **February 1,** to begin nursing coursework in a Fall semester
- **August 15,** to begin nursing coursework in a Spring semester

Eligibility for Licensure as a Registered Nurse

Upon admission to upper-division courses in the College of Nursing, each student is required to review specific rules and regulations of the Texas Board of Nursing. Every student is responsible for reading information regarding application for licensure in the state of Texas. The Texas Board of Nursing determines criteria for eligibility for licensure. Students should access the Board of Nursing website (http://www.bon.state.tx.us) to examine the Nurse Practice Act (http://www.bon.state.tx.us/laws_and_rules_nursing_practice_act.asp) and its regulations. Detailed information about critical issues in a student's background may affect eligibility, and the student should contact the Board for information regarding submission of a Declaratory Order. Board approval is required of candidates who apply for the NCLEX-RN examination to be licensed in the state of Texas.

Requirements for Clinical Course Enrollment

At the time of enrollment in clinical nursing courses, the student must provide proof of:

1. clear FBI background check or clearance of a Declaratory Order from the Texas Board of Nursing;
2. negative drug testing and criminal background screening by a company designated by the College of Nursing. If enrollment is continuous at TWU, the student does not usually have to repeat the drug testing and criminal background screening;
3. current required immunizations as specified by TWU Student Health Services;
4. current cardiopulmonary resuscitation Health Care Provider certification from the American Heart Association or the American Red Cross; and
5. health insurance, as required by the clinical agencies.

Professional liability insurance (covered by course fees) is provided for each student through the TWU student professional liability group policy.

Admissions: RN to BS/MS and Post Bacc. RN to MS

Registered Nurses with a Diploma or Associate's Degree

The RN to BS Program is designed to facilitate educational mobility for those registered nurses who wish to earn the Bachelor of Science degree with a major in nursing. The curriculum offers courses that are 100% online on all campuses.

The College of Nursing offers a master's degree to nurses who hold an associate degree or diploma and wish to earn a master of science degree with an emphasis in nursing. Admission is competitive. Prerequisite courses are the same for the RN to MS Program and the RN to BS Program. For further admission requirements refer to the Graduate Catalog (http://catalog.twu.edu/graduate/nursing).

Application to Upper-Division Nursing: Licensed RNs with a Diploma or Associate's Degree

To be eligible to be considered for progression into upper-division (3000-4000 level) nursing courses, students must have:

1. been admitted to TWU through submission of the Texas Common Online application;
2. a current unencumbered license as an RN in the United States;
3. submitted an application for entry into the RN to BS Program, through NursingCAS (http://www.nursingcas.org), to the College of Nursing by the application deadline;
4. successfully completed the lower-division prerequisite courses (p. 337), plus 2 semester credit hours of electives (total 60 semester credit hours). Courses successfully completed do not have to be repeated. The multicultural women's studies course may be completed before or after admission to upper division nursing. Registered nurses who have previously earned a bachelor's degree in another field must complete only those prerequisite courses listed for non-nurses with a bachelor's degree;
5. a minimum grade of C in anatomy and physiology, chemistry, and microbiology including all labs;
6. a minimum GPA of at least 2.0 on the required lower-division courses. If a course is taken more than once, the most recent grade received will be counted in calculating the GPA. Other courses which an applicant may have taken are not calculated in the GPA for admission;

Transfer from Another RN to BS/MS Nursing Program

Students previously enrolled in another nursing program must meet the same prerequisite and admission requirements as other RN to BS/MS applicants, and be accepted both by Texas Woman's University and the TWU College of Nursing. Additionally, the following requirements must be met.

1. Nursing courses were completed at a nationally accredited nursing program.
2. A grade of C or better was earned in all nursing courses (including pathophysiology).
3. Nursing courses transferred in for credit must have been completed within the last five years.
4. Eligibility to continue in or return to the previous nursing program must be verified by a statement from the dean of the previous program.
5. Applicants must submit to the College of Nursing a course syllabus for each completed nursing course for evaluation. If the course(s) is/are determined to be equivalent to TWU nursing courses, credit may be granted.

6. At least 30 of the last 60 hours have to be completed at TWU. (A minimum of 25% of the total hours required for the degree must be taken at TWU.)

Application Deadlines: RN to BS/MS Program

Applications for the RN to BS Program must be received by the following yearly dates in order to be considered for admission:

- **February 1** for RNs who will be eligible to begin nursing courses in the Summer semester
- **April 1** for RNs who will be eligible to begin nursing courses in the Fall semester
- **August 1** for RNs who will be eligible to begin nursing courses in the Spring semester

Nursing Policies

Health and Safety Requirements

All nursing students are required to have met standards outlined in the Health and Safety Requirements (http://catalog.twu.edu/graduate/graduate-school/admission-graduate-school/health-requirements-students-health-related-majors) section of this catalog. Additionally, all nursing students are required to have been immunized against a variety of diseases, including measles, mumps, rubella, chicken pox, tetanus, diphtheria, hepatitis, pertussis, and influenza. Students must have an annual TB screening prior to entering clinical courses. Proof of immunizations will be required at the time of admission to upper-division nursing courses. Please refer to the Student Health Services form *Immunization Requirements for Healthcare Majors at Texas Woman's University* for specific information by location. Texas Woman's University does not require HIV testing of students; however, some clinical agencies with which the College of Nursing affiliates for student clinical experience may require such testing.

Clinical facilities and school systems with which the University affiliates require that students be tested for drugs and have criminal background checks. Students are required to have these screenings done at their own expense. College of Nursing policy governs the procedures to be followed. Failure to meet the screening standards may result in the student being required to withdraw from the program. Clinical facilities may require that students have health insurance. When this is required, students must show proof of health insurance.

Academic Policies: All Nursing Students (Pre-Licensure and RN's)

The following policies apply to all students in the nursing program.

1. A minimum grade of C is required in pathophysiology.
2. A minimum grade of C is required in all courses in the nursing major. If a student earns a grade of D, F, or WF in a nursing course (including pathophysiology), then that course must be repeated. A course in which a grade of less than C (D, F, or WF) was earned may be repeated only once.
3. A student who has earned a grade of less than C (D, F, or WF) in two nursing courses (including pathophysiology) or who has earned a grade of less than C (D, F, or WF) twice in the same nursing course (including pathophysiology) will be required to leave the nursing program.
4. Students receiving a grade of I, D, F, or WF in a nursing course (including pathophysiology) may not progress to courses for which that course is a prerequisite.
5. All nursing courses must be completed within a period of five consecutive calendar years from the date of first enrollment in a nursing course. Any current or returning student unable to complete the program within this allotted time frame must apply and compete for admission as a beginning nursing student.
6. An individual who has been unsuccessful in meeting the progression requirements, as listed above, is eligible to re-apply to the College of Nursing and be considered for admission as a new student in the baccalaureate program *after a period of five years*. This includes admission into the RN to BS program, even if previous dismissal occurred in the pre-licensure program.

Readmission Into Nursing Program

If a baccalaureate student *who was in good academic standing* has been absent from the program or clinical courses for more than one year, the student must contact the Program Coordinator to determine the reentry process. The procedure for re-entry into the nursing program may consist of:

1. reapplication to TWU
2. reapplication to the nursing program
3. placement test(s)
4. clinical skills assessment

The placement test(s) and clinical skills assessment will determine the level of re-entry. Readmission will be based on the availability of clinical faculty and clinical space.

Dismissal

The College of Nursing reserves the right to require the withdrawal from the College of Nursing of any student whose behavior is deemed to threaten the welfare of any individual, whose behavior is deemed unsafe in any manner, or violates the TWU Student Conduct Policies published in the Student Handbook.

Courses

NURS 2213. Introduction to Health Informatics. Overview of the field of health informatics; concepts of health informatics; use of technology in the delivery of health care; design, configuration, use, and maintenance of informatics interventions that improve health care delivery. Prerequisite: CSCI 1513. Three lecture hours a week. Credit: Three hours.

NURS 2313. Advanced Health Informatics. Detailed exploration of the field of health informatics; advanced concepts of health informatics and use of technology in the delivery of health care. Development of information technology-based ethical, economic, life cycle, work flow, and decision support skills to improve health care delivery. Prerequisite: NURS 2213. Three lecture hours a week. Credit: Three hours.

NURS 3005. Concepts and Clinical Competencies. Focuses on beginning concepts and clinical competencies while learning and applying knowledge about nursing as a practice profession. Explores aspects of health promotion and health maintenance including information about health care delivery systems. Introduces ethical, legal, economic, and political influences as they impact health care and health care providers globally. Prerequisite: Admission to upper division nursing. Co-requisites: NURS 3614, NURS 3813, and BIOL 4344. Three lecture and six laboratory hours a week. Credit: Five hours.

NURS 3025. Women's Health and Family Role Competencies. Focuses on nursing's role with women, childbearing women, and developing families across the lifespan. Emphasizes aspects of health promotion, restoration, and maintenance, including impact of life experiences. Explores unique role and contributions of nursing in relation to collaborative management of individuals and families during childbearing. The clinical setting concentrates on development of nursing skills and critical thinking appropriate for use with the developing family. Prerequsites: NURS 3614, NURS 3005, NURS 3813, and BIOL 4344. Three lecture and six laboratory hours a week. Credit: Five hours.

NURS 3035. Adult Health Competencies I. Focuses on unique role and contributions of nursing to collaborative management of adults with acute and chronic health problems. Emphasizes health promotion and health maintenance including restoration and rehabilitation activities for adults within the family system. The clinical experiences focus on evidence-based nursing care concepts and clinical competencies in the care and management of adult health problems. Prerequsites: NURS 3614, NURS 3005, NURS 3813, and BIOL 4344. Three lecture and six laboratory hours a week. Credit: Five hours.

NURS 3143. Multicultural Women's Health Issues. Focuses on roles and health needs of women within the context of their culture. Empowerment of women to overcome barriers to health access and delivery will be emphasized. Cultures will be organized by ethnicity, sexual orientation, and age groups as well as alternative health practices. Three lecture hours a week. Credit: Three hours.

NURS 3213. Business Analysis of Health-Generated Data. Business intelligence (BI) tools applied to health data to analyze population health trends, financial trends, and policy impacts. Hands-on skills development of the tools for optimal illustration/display of findings. Prerequisites: CSCI 3423 and NURS 2313. Three lecture hours a week. Credit: Three hours.

NURS 3223. Internet Resources for Health Promotion. Exploration of health data in relation to national health care quality outcomes and electronic measures (e.g., National Quality Forum) applied to community-based health promotion. Data extraction, data management, and trend analysis for national health databases, reports, policies, and costs. Prerequisite: NURS 2313. Three lecture hours a week. Credit: Three hours.

NURS 3612. Introduction to Nursing Research. Focuses on research process at an introductory level. Emphasizes nursing research and its relevance to nursing practice. Prerequisite: Statistics. Co-requisite: NURS 3005. Two lecture hours a week. Credit: Two hours.

NURS 3614. Nursing Assessment across the Life Span. Focuses on physical and psychosocial techniques of health assessment. Emphasizes influences of spirituality, culture, and human sexuality on individuals of all ages. Clinical experiences provide opportunities to apply interview and assessment skills in community-based settings. Co-requisite: BIOL 4344. Two and one-half lecture and four and one-half laboratory hours a week. Credit: Four hours.

NURS 3643. RN Introduction to Baccalaureate Nursing. Focuses on the transition to baccalaureate nursing for the registered nurse. Emphasizes aspects of socialization, communication, and professional accountability. Introduces the concepts of health promotion, health maintenance, and health protection. Designed to be the entry-level course for and limited to registered nurses. Prerequisites: Admission to upper division nursing and current licensure to practice in the state of Texas as a registered nurse. Three lecture hours a week. Credit: Three hours.

NURS 3762. Nursing Implications of Altered Sexuality. Human sexuality and culturally sensitive nursing implications of select diseases, surgeries, or medications which alter sexual response. Prerequisite: BIOL 4344. Two seminar hours a week. Credit: Two hours.

NURS 3804. RN with Families and Groups. Focuses on nursing's role with families and groups. Emphasizes aspects of health promotion and health maintenance with families and groups. Examines the developing family and group, family and group dynamics, impact of illness (disease) states, situational crises, the advocacy process, and the impact of politics on the systems. Limited to registered nurses. Prerequisites: NURS 3643. Taken prior to or concurrent with NURS 4614. Four lecture hours a week. Credit: Four hours.

NURS 3813. Pharmacology. Focuses on pharmacologic aspects of nursing practice. Builds a knowledge base of classifications of drugs and emphasizes the nurse's role and responsibility in drug administration. Prerequisites: Admission to upper division nursing. Co-requisite: BIOL 4344. Taken prior to NURS 3025 and NURS 3035. Three lecture hours a week. Credit: Three hours.

NURS 4026. Critical Competency Integration. Focuses on the integration of clinical concepts and competencies to collaboratively manage care of individuals and groups of patients. Applies nursing leadership and management concepts within the organizational structure of health care settings. Prerequisites: NURS 4045, NURS 4055, and NURS 4615. Co-requisites: NURS 4803 and NURS 4614. Two lecture and twelve clinical hours a week. Credit: Six hours.

NURS 4045. Adult Health Competencies II. Focuses on the unique role and contributions of nursing to collaborative management of adults with complex acute and chronic health problems. Applies the nursing process in providing care in high acuity settings. Utilizes evidence-based nursing care concepts and clinical competencies in the care and management of adults with complex health problems. Prerequisites: NURS 3612, NURS 3025, and NURS 3035. Three lecture and six clinical hours a week. Credit: Five hours.

NURS 4055. Child Health Competencies. Focuses on the development of nursing knowledge and clinical competencies necessary to provide health care to children/adolescents within the context of a family in a collaborative health care environment. Emphasizes developmentally appropriate nursing care to patients from culturally diverse backgrounds. Prerequisites: NURS 3612, NURS 3025, and NURS 3035. Three lecture and six clinical hours a week. Credit: Five hours.

NURS 4113. Applications and Devices for Health Promotion. Selection and application of consumer-based technologies for health promotion and self-management. Focus on project management, electronic health record-related integration, and population-specific needs assessment. Prerequisite: NURS 2313. Three lecture hours a week. Credit: Three hours.

NURS 4213. Interface Design in Health Informatics. Human-computer, user-centered interface design applied to health information systems, medical devices, and mobile applications. Usability principles, workflow methods, and error management activities. Prerequisite: NURS 2313. Three lecture hours a week. Credit: Three hours.

NURS 4313. Telecommunications/Networking for Remote Mangagement. Telecommunication/networking application using health information technology for urban, rural, and under-served geographic areas. Application of technology, data analytics, finance, and policy/regulation. Simulated practice for a telemedicine cart clinical encounter/visit. Prerequisite: NURS 2313. Three lecture hours a week. Credit: Three hours.

NURS 4502. Clinical Ethics in Professional Nursing. An investigation of bio-ethic principles that focus on critical thinking made applicable to problem-solving of ethical dilemmas in nursing; explore theories, models, and approaches in the analysis of clinical cases according to ethical standards that facilitate effective health care delivery. Two lecture hours a week. Credit: Two hours.

NURS 4512. Palliative Care Nursing. Role of nursing in the palliative management of clients who are terminally-ill and/or have irreversible illnesses. Application of best practice evidence related to palliative care skills such as assessment and management of symptoms and pain, psychosocial and spiritual issues, communication, and ethical and legal issues. Two lecture hours a week. Credit: Two hours.

NURS 4602. The Nursing Experience with Groups. Focuses on nursing's role with groups. Emphasizes aspects of health promotion and health maintenance including collaborative planning and advocacy process. Examines group dynamics, situational crises, and impact of politics. Prerequisite: NURS 3005. Two lecture hours a week. Credit: Two hours.

NURS 4612. Promoting Wellness in the Aging Family. Focuses on preserving health in families with aging individuals. Builds knowledge base for nurses' participation in managing health care problems and developing strategies for promoting wellness in aging individuals. Examines role changes in the family constellation as a result of the aging process. Prerequisites: NURS 3005, NURS 3614, NURS 3813, and BIOL 4344. Two lecture hours a week. Credit: Two hours.

NURS 4614. Community Health Competencies. Focuses on nursing's advocacy role in health promotion, health protection, and health maintenance and the collaborative role in management of health care needs of diverse groups. Experiences emphasize clinical reasoning in a variety of community settings. Prerequisites: NURS 3612, NURS 3614, NURS 4045, NURS 4055, and NURS 4615. Two lecture and six clinical hours a week. Credit: Four hours.

NURS 4615. Mental Health Competencies. Focuses on the unique contributions of nursing to collaborative management of health problems which effect behavior. Clinical experiences with individuals, families, and groups in a variety of settings emphasize development of clinical judgments and clinical competencies that promote mental wellness. Prerequisites: NURS 3612, NURS 3025, NURS 3035, NURS 4602, and NURS 4612. Three lecture and six clinical hours a week. Credit: Five hours.

NURS 4723. Applied Statistics in Healthcare Informatics. Quantification and interpretation of clinical phenomena with emphasis on analysis of relational statements processed with Microsoft Excel and statistical software (e.g., IBM SPSS). Use of Texas health care databases, national data sets, and quality indicators. Prerequisites: MATH 1713 and NURS 2313. Three lecture hours a week. Credit: Three hours.

NURS 4803. The Nursing Leadership and Management Experience. Focuses on leadership and management theories, trends, and issues in health care. Emphasizes professional nursing's role in health care and health care delivery systems. Compares strategies for entry into professional nursing practice. Prerequisites: NURS 3643, NURS 4045, NURS 4055, and NURS 4615. Three lecture hours a week. Credit: Three hours.

NURS 4813. RN High Acuity Nursing. Focuses on collaborative management, critical thinking, and interventions utilized in high acuity nursing of individuals of all ages. Differentiates the nurse's role in a variety of settings including homes, transitional, and acute care. Limited to registered nurses. Prerequisites: NURS 3612 and NURS 3643. Three lecture hours a week. Credit: Three hours.

NURS 4823. Competencies in RN Transition to Baccalaureate Nursing. Focuses on critical thinking and nursing practice skills in managing health care problems. Students practice leadership and management skills within the organizational structure of health care settings. Limited to registered nurses. Prerequisites: NURS 3612, NURS 3643, and NURS 3614. Corequisite: NURS 4803. Nine clinical hours a week. Credit: Three hours.

NURS 4902. Special Topics. Study of selected issues in nursing. May be repeated for credit when topics vary. Prerequisites: Senior standing in nursing or permission of instructor. Two lecture hours a week. Credit: Two hours.

NURS 4903. Special Topics. Study of selected problems in nursing. May be repeated for credit when topics vary. Prerequisite: Senior standing in nursing or permission of instructor. Three lecture hours. Credit: Three hours.

NURS 4911. Independent Study. Study of selected nursing problems. May be repeated for credit when problems vary. Credit: One hour.

NURS 4913. Independent Study. Study of selected nursing problems. May be repeated for credit when problems vary. Credit: Three hours.

NURS 4923. Capstone in Interprofessional Informatics. Culminating organization and/or community-based interdisciplinary/interprofessional project supported through informatics and technology and applied to a specific domain to demonstrate knowledge and skills acquired in the informatics or health informatics program. Prerequisite: Taken after completion of all but the last 24 hours (SCHs) of the program. Three seminar hours a week. Credit: Three hours.

Faculty

Professors

CESARIO, SANDRA K., Professor of Nursing. B.S.N., Fort Hays State University; M.S., University of Oklahoma; Ph.D., Texas Woman's University.

CHANEY, SUSAN GOAD, Cornaro Professor of Nursing. B.S.N., Incarnate Word College; M.S., Texas Woman's University; Ed.D., University of Houston .

CHO, HO SOON MICHELLE, Professor of Nursing. B.S., Texas Woman's University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

DENHAM, SHARON A., Professor and Endowed Chair of Teaching Excellence of Nursing. B.S.N., Ohio State University-Athens; M.S.N, Bellarmine University; D.S.N., University of Alabama, Birmingham.

FREDLAND, NINA M., Professor of Nursing. B.S., Niagara University; M.S., University of Pennsylvania; Ph.D., Johns Hopkins University.

HUFFT, ANITA, Professor of Nursing; Dean of the College of Nursing. B.S.N., University of Maryland; M.N., Louisiana State University; Ph.D., Texas Woman's University.

KOCI, ANNE, Professor of Nursing. B.S.N., Tennessee Technological University; M.S.N., University of Tennessee, Knoxville; Ph.D., Emory University.

KREPPER, REBECCA C., Professor of Nursing. B.S., University of Southwestern Louisiana; M.S., University of Maryland, Baltimore; M.B.A., University of Houston; Ph.D., Texas Woman's University.

LANGFORD, RAE W., Professor of Nursing. B.S., Texas Woman's University; M.S., Ohio State University, Columbus; Ed.D., University of Houston.

MALECHA, ANN T., Professor of Nursing. B.S.N., Loyola University, Chicago; M.S., Northwestern University; Ph.D., Texas Woman's University.

MANCUSO, PEGGY J., Professor of Nursing; Associate Dean for Research. B.S., University of Tulsa; M.S., University of Texas at Arlington; Ph.D., Texas Woman's University.

McFARLANE, JUDITH M., Cornaro Professor of Nursing. B.S.N., University of Florida; M.S.N., University of Florida; D.P.H., University of Texas Health Science Center-Houston.

SCOTT-TILLEY, DONNA D., Professor of Nursing; Assistant Provost for Promotion of Research and Sponsored Programs. B.S.N., Texas Tech University Health Sciences Center; M.S.N., Texas Tech University Health Sciences Center; Ph.D., University of Texas Health Science Center-San Antonio.

SHERIFF, SUSAN W., Professor of Nursing; Graduate Director of Nursing. B.S.N., Eastern Mennonite University; M.S., Texas Woman's University; Ph.D., Texas A&M University, Commerce.

SYMES, LENE, Professor of Nursing. B.S.N., University of Michigan, Ann Arbor; M.S.N., University of Texas Health Science Center-Houston; Ph.D., Texas Woman's University.

TIETZE, MARI F., Professor of Nursing; Doswell Endowed Chair in Nursing Informatics. B.S.N.., Washburn University; M.S.N., University of Kansas; Ph.D., Texas Woman's University.

VAN SELL, SHARON L., Professor of Nursing. B.A., Murray State University; M.Ed., Memphis State Univeristy; M.S., University of Colorado, Denver; Ed.D., University of Denver.

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Associate Professors

ARNOLD, CAROL M., Associate Professor of Nursing. B.S., Texas Woman's University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

AYERS, CONSTANCE J., Associate Professor of Nursing. B.S., University of Missouri, Columbia; M.S., University of Missouri, Columbia; Ph.D., Texas Woman's University.

BAILEY, CATHERINE A., Associate Professor of Nursing. B.S., Texas Woman's University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

BINDER, BRENDA K., Associate Professor of Nursing; Graduate Director of Nursing: Houston. B.S., Michigan State University; M.S.N., University of Texas Health Science Center-Houston; Ph.D., Texas Woman's University.

CLUTTER, PAULA C., Associate Professor of Nursing. B.S.N., University of Texas Medical Branch; M.S., University of Florida; Ph.D., University of Texas Health Science Center, San Antonio.

DELLOSTRITTO, RITA A., Associate Professor of Nursing. B.S., Texas Woman's University; M.S.N., University of Houston; Ph.D., Texas Woman's University.

EDWARDS, JOAN E., Associate Professor of Nursing. B.S.N., University of Illinois, Chicago; M.S., University of Washington.

FREYSTEINSON, WYONA, Associate Professor of Nursing. B.S.N., University of Sakatchewan; M.S., University of Sakatchewan; Ph.D., Texas Woman's University.

GRAY, BARBARA A., Associate Professor of Nursing. B.S.N., Harding College; M.S.N., University of Texas at Arlington; Ph.D., Texas Woman's University.

KUBIN, LAURA, Associate Professor of Nursing. B.S., Baylor University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

LEE, MIKYOUNG, Associate Professor of Nursing. B.S.N., Kyungpook National University; M.N., Kyungpook National University; Ph.D., The University of Iowa.

LIU, FUQIN, Associate Professor of Nursing. B.S.N., Adventist University of the Philippines; M.S., Loma Linda University; Ph.D., University of Washington.

MELLOTT, SUSAN K., Associate Professor of Nursing. B.S.N., Indiana University of Pennsylvania; M.S.N., University of Pennsylvania; Ph.D., Texas A&M University .

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NIBERT, AINSLIE T., Associate Professor of Nursing; Associate Dean of the College of Nursing: Houston. B.S., Texas Christian University; M.S., The University of Texas Health Science Center at Houston; Ph.D, Texas Woman's University.

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WOODS, STEPHANIE L., Associate Professor of Nursing; Associate Dean of the College of Nursing : Dallas. B.S., Texas Woman's University; M.S., University of Texas Health Science Center, San Antonio; Ph.D., University of Texas at Austin.

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Assistant Professors

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BIRCH-EVANS, ANLEE, Assistant Professor of Nursing. B.S., Texas Woman's University; M.S., University of Texas Health Science Center-Houston; Ph.D., Texas Woman's University.

BUDHRANI, PINKY, Assistant Professor of Nursing. B.S., University of South Florida; M.S., University of South Florida; Ph.D., University of South Florida.

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Clinical Professors

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ENRIGHT, CARISSA R., Associate Clinical Professor of Nursing. B.S.N., Duke University; M.S., Boston University.

GALATAS, LAUREEN R., Associate Clinical Professor of Nursing. B.S.N., Louisiana State University; M.N., Louisiana State University.

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MISTRIC, MICHAEL L., Associate Clinical Professor of Nursing. B.A.., State College of Arkansas; B.S.N., Pittsburg State University; M.N.S., University of Arkansas for Medical Sciences; Ph.D., University of Texas System : Medical Branch.

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RESTREPO, ELIZABETH B., Associate Clinical Professor of Nursing. B.S., Old Dominion University; M.S., Virginia Commonwealth University; Ph.D., Texas Woman's University.

SCHULTZ, MARY ROCHELLE, Associate Clinical Professor of Nursing. B.S.N., Houston Baptist University; M.S.N., University of Texas Medical Branch.

SOLOMON, RHEATTE D., Associate Clinical Professor of Nursing. B.S., Evangel College; M.S., Brigham Young University.

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Assistant Clinical Professors

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KIMZEY, LISA C., Assistant Clinical Professor of Nursing. B.S., Baylor University; M.S., Texas Woman's University.

LAFARGUE, WENDY, Assistant Clinical Professor of Nursing. B.S., Texas Woman's University; M.S., Texas Woman's University.

MAGNER, DIONNE, Assistant Clinical Professor of Nursing. B.S.N., Louisiana State University Health Sciences Center at New Orleans; M.S., Texas Woman's University.

MAHARAJ, TERESA L., Assistant Clinical Professor of Nursing. B.S., Texas Woman's University; M.S., Texas Woman's University; Ph.D., University of Texas at Tyler.

MILLIGAN, JENNIFER S., Assistant Clinical Professor of Nursing. B.S., Texas Woman's University; B.A., Texas A&M University; M.S., Texas Woman's University.

NOLAN, DEBRA K., Assistant Clinical Professor of Nursing. B.S., Texas Woman's University; M.S., Texas Woman's University.

POE, TRAVIS, Assistant Clinical Professor of Nursing. B.S., Texas Woman's University; M.s., Texas Woman's University; Ph.D., Texas Woman's University; .

RHEMANN GUERRERO, MARIE A., Assistant Clinical Professor of Nursing. B.S.N., West Texas State University; M.S.N., Vanderbilt University.

SCHELLER, SUZANNE M., Assistant Clinical Professor of Nursing. B.S.N., Seton Hall University; M.S., Texas Woman's University.

SCHRUM, NOLA M., Assistant Clinical Professor of Nursing. B.A., University of Texas at Arlington; M.S., Texas Woman's University.

TALLEFF, JENNIFER L., Assistant Clinical Professor of Nursing. B.S.N, California State University, Long Beach; M.S.N., University of California, Los Angeles.

THOMSON, ANNE T., Assistant Clinical Professor of Nursing. B.S.N., University of Kansas; M.S.N., University of Texas at Arlington; Ph.D., Texas Woman's University.

TRINKA, MICHELLE, Assistant Clinical Professor of Nursing. B.S.N., Texas Tech University Health Science Center; M.S.N., University of Tyler at Texas.

TSEROTAS, SHOPHA M., Assistant Clinical Professor of Nursing. B.S.N., Grandview College, Des Moines; M.S., Texas Woman's University.

WILLIAMS, JEFFREY S., Assistant Clinical Professor of Nursing. B.S., Sam Houston State University; B.S.N., University of Texas Health Science Center - Houston; M.S.N., University of Texas Health Science Center - San Antonio; D.N.P., Texas Christian University.

YOUSEF, MARY GRACE, Assistant Clinical Professor of Nursing.

Visiting Associate Clinical Professor

KILLEN, JOAN M., Visiting Associate Clinical Professor of Nursing. B.S., Wayne State University; M.S., Wayne State University; Ph.D., University of Texas at Austin .

Visiting Assistant Clinical Professors

ACKERS, SUZANNE M., Visiting Assistant Clinical Professor of Nursing. B.S., Abilene Christian University; M.S., Texas Woman's University.

DENKE, LINDA, Visiting Assistant Clinical Professor of Nursing. B.S.N., Arizona State; M.S.N., University of Texas at Arlington; Ph.D., University of Texas at Arlington.

IRWIN, MARY ANN, Visiting Assistant Clinical Professor of Nursing. B.S.N., Saint Joseph's College; M.S., Texas Woman's University.

JONES, CATHERINE S., Visiting Assistant Clinical Professor of Nursing. B.S.N., The University of Texas Health Science Center at Houston; M.S., University of Colorado; Ph.D., University of Texas at Arlington.

Clinical Instructors

CAMPBELL, RACHELLE, Clinical Instructor of Nursing. B.S.N, University of Texas at Arlington; M.S., Texas Woman's University..

COMER, LOUISE E., Visiting Clinical Instructor of Nursing. B.S.N., University of Texas at Austin; M.S., Texas Woman's University.

Bachelor of Science in Nursing

Total Semester Credit Hours Required

120-121 semester credit hours.

Bachelor of Science in Nursing Program of Study

This is the suggested plan for those seeking a first bachelor's degree and initial licensure as a registered nurse (RN).

First Year

Semester 1		**TCCN**	**Semester Credit Hours**
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
ENG 1013	Composition I	ENGL 1301	3
PSY 1013	Introduction to General Psychology	PSYC 2301	3
CHEM (Any college-level lecture & lab)			4
UNIV 1231 (Only required for freshmen entering Fall 2014 or later.)	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		14
Semester 2		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
PSY 1603	Developmental Psychology	PSYC 2314	3
NFS 2323	Introduction to Nutrition	HECO 1322, BIOL 1322	3
Wellness or Mathematics CAO Core			2-3
ZOOL 2013 & ZOOL 2011	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	4
	Semester Credit Hours		15-16

Second Year

Semester 3		**TCCN**	
GOV 2013	U.S. National Government	GOVT 2305	3
Language, Philosophy, and Culture Core			3
ZOOL 2023 & ZOOL 2021	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	(BIOL 2302, BIOL 2402) and (BIOL 2102)	4
BACT 1003 & BACT 1001	Microbiology and Microbiology Laboratory	(BIOL 2320) and (BIOL 2120)	4
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
	Semester Credit Hours		17
Semester 4		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Multicultural Women's Studies CAO Core			3
Creative Arts Core			3
	Semester Credit Hours		12

Third Year

Semester 5		**TCCN**	
NURS 3005	Concepts and Clinical Competencies		5
NURS 3614	Nursing Assessment across the Life Span		4
NURS 3813	Pharmacology		3

BIOL 4344	Pathophysiology	4
	Semester Credit Hours	16
Semester 6	**TCCN**	
NURS 3025	Women's Health and Family Role Competencies	5
NURS 3035	Adult Health Competencies I	5
NURS 3612	Introduction to Nursing Research	2
NURS 4602	The Nursing Experience with Groups	2
NURS 4612	Promoting Wellness in the Aging Family	2
	Semester Credit Hours	16

Fourth Year

Semester 7	**TCCN**	
NURS 4045	Adult Health Competencies II	5
NURS 4055	Child Health Competencies	5
NURS 4615	Mental Health Competencies	5
Nursing Elective		2
	Semester Credit Hours	17
Semester 8	**TCCN**	
NURS 4026	Critical Competency Integration	6
NURS 4614 (GP)	Community Health Competencies	4
NURS 4803	The Nursing Leadership and Management Experience	3
Comprehensive Exam		0
	Semester Credit Hours	13
	Total Semester Credit Hours:	120-121

If possible, it is recommended to move one of the Semester 3 courses to a SUMMER session between Semesters 2 and 3 to space coursework out more evenly. The nursing elective in Semester 7 can also be moved to a summer session.

Bachelor of Science in Nursing - Weekend/Evening Program of Study

The Weekend/Evening Nursing Program is an alternate nursing course plan available for pre-licensure students whose daytime obligations prevent them from pursuing traditional Monday-Friday daytime college classes. Lecture classes are held 2 evenings per week from 5-9 PM. Labs and clinical rotations at a hospital are on Saturdays and Sundays from 7AM-3PM. Eight of our didactic courses are 100% online.

Semester 1 Fall		**TCCN**	**Semester Credit Hours**
NURS 3614	Nursing Assessment across the Life Span		4
NURS 3813	Pharmacology		3
BIOL 4344	Pathophysiology		4
	Semester Credit Hours		11
Semester 2 Spring		**TCCN**	
NURS 3612	Introduction to Nursing Research		2
NURS 3005	Concepts and Clinical Competencies		5
NURS 3025	Women's Health and Family Role Competencies		5
	Semester Credit Hours		12
Semester 3 Summer		**TCCN**	
NURS 3035	Adult Health Competencies I		5
NURS 4612	Promoting Wellness in the Aging Family		2
NURS 4902 (Care of Vunerable Population)	Special Topics		2
	Semester Credit Hours		9
Semester 4 Fall		**TCCN**	
NURS 4045	Adult Health Competencies II		5
NURS 4055	Child Health Competencies		5
NURS 4602	The Nursing Experience with Groups		2
	Semester Credit Hours		12
Semester 5 Spring		**TCCN**	
NURS 4615	Mental Health Competencies		5

NURS 4614 (GP)	Community Health Competencies	4
	Semester Credit Hours	9
Semester 6 Summer	**TCCN**	
NURS 4803	The Nursing Leadership and Management Experience	3
NURS 4026	Critical Competency Integration	6
	Semester Credit Hours	9
	Total Semester Credit Hours:	62

(GP) courses satisfy global perspectives graduation requirement.

Registered Nurse to Bachelor of Science in Nursing

Twenty-eight semester credit hours of credit will be awarded to those individuals who have an unencumbered license to practice in the US as a registered nurse and who have met the established criteria for admission to upper-division nursing courses (p. 339). Credit is awarded for:

NURS 3025	Women's Health and Family Role Competencies	5
NURS 3035	Adult Health Competencies I	5
NURS 3813	Pharmacology	3
NURS 4615	Mental Health Competencies	5
NURS 4045	Adult Health Competencies II	5
NURS 4055	Child Health Competencies	5
Total Semester Credit Hours		28

These upper-division course requirements for RN students are taken at TWU:

BIOL 4344	Pathophysiology	4
NURS 3643	RN Introduction to Baccalaureate Nursing	3
NURS 3612	Introduction to Nursing Research	2
NURS 3614	Nursing Assessment across the Life Span	4
NURS 3804	RN with Families and Groups	4
NURS 4612	Promoting Wellness in the Aging Family	2
NURS 4614	Community Health Competencies	4
NURS 4803	The Nursing Leadership and Management Experience	3
NURS 4813	RN High Acuity Nursing	3
NURS 4823	Competencies in RN Transition to Baccalaureate Nursing	3
Total Semester Credit Hours		32

Students in the RN to BS Program may have the opportunity to earn credit for some of the upper-division nursing courses by successfully passing challenge exams. Please contact the RN to BS Coordinator for more information.

At the time of enrollment in nursing courses, the registered nurse must provide proof of:

1. Current unencumbered licensure as a registered nurse in the United States.
2. Current cardiopulmonary resuscitation Health Care Provider certification from the American Heart Association or the American Red Cross.
3. Current required immunizations as specified by TWU Student Health Services.
4. Negative drug testing and criminal background screening by a company designated by the College of Nursing.
5. Health insurance as required.

Professional liability insurance (covered by course fees) is provided for each student through the TWU student professional liability group policy.

Post-Baccalaureate RN MS Program

The Post Baccalaureate RN to MS Program offers registered nurses holding an associate degree or diploma from a nationally accredited nursing program and an earned bachelor's in another field an opportunity to obtain a Master of Science degree with a major in nursing.

Specialty tracks include:

- Advanced Practice Nurse Practitioner
- Nurse Educator
- Nursing Administration
- Nursing Health Systems Management
- Clinical Nurse Leader

Students complete 10-15 semester credit hours of undergraduate coursework and 11-13 semester credit hours of graduate course work before progressing to unconditional admission to the graduate program. This program reduces the number of baccalaureate semester credit hours by 12 (4-5 courses dependent on the Master's track selected). This program allows the student to begin the Master's Program after 2 semesters with 11-13 graduate semester credit hours completed. Depending on the master's specialty chosen, the master's degree can be completed in an additional 3-6 semesters of full-time study. Students may elect to complete the program on a part-time basis.

TWU course equivalencies for the Field of Study Blocked Curriculum

Both the didactic and clinical course(s) below must be completed with a C or better in order to earn the corresponding TWU NURS course credit.

Content Area	Didactic Course(s)	Clinical Corequisite	TWU NURS Corresponding Course Number
Fundamentals (Including Basic Skills)	RNSG 1413/ RNSG 1513 *OR	2 to 6 semester credit hours (SCH) (RNSG XX60*, RNSG XX61*, RNSG XX62*, RNSG XX63*)	3005
	RNSG 1413/1513* PLUS RNSG 1105/1205* OR	2 to 6 SCH (RNSG XX60*, RNSG XX61*, RNSG XX62*, RNSG XX63*)	3005
	RNSG 1209/1309* PLUS RNSG 1105/1205* OR	2 to 6 SCH (RNSG XX60*, RNSG XX61*, RNSG XX62*, RNSG XX63*)	3005
	Any equivalent theory/lab combination	(RNSG XX60*, RNSG XX61*, RNSG XX62*, RNSG XX63*)	3005
Mental Health	RNSG 2213/2313*	1 OR 2 SCH (RNSG XX60*, RNSG XX61*, RNSG XX62*, RNSG XX63*)	4615
Obstetrics/ Pediatrics	RNSG 1412/1512 OR	4 or 5 SCH (RNSG XX60*, RNSG XX61*, RNSG XX62*, RNSG XX63*)	3025 & 4055
	RNSG 1251 PLUS RNSG 2201 OR	4 OR 5 SCH (RNSG XX60*, RNSG XX61*, RNSG XX62*, RNSG XX63*)	3025 & 4055
	RNSG 2208/2308* PLUS RNSG 2201*	4 OR 5 SCH (RNSG XX60*, RNSG XX61*, RNSG XX62*, RNSG XX63*)	3025 & 4055
Medical/Surgical Nursing	RNSG 1331/1431* OR 1231* PLUS 1232* PLUS RNSG 1347/1447* or 1247* PLUS 1248* OR	2 to 6 SCH (RNSG XX60*, RNSG XX61*, RNSG XX62*, RNSG XX63*)	3035 & 4045

College of Professional Education

Web Site: http://www.twu.edu/cope

Interim Dean: *Jerry E. Whitworth, Professor*
Interim Associate Dean: *Gina Anderson, Associate Professor*
Location: *SH 202*
Phone: *940-898-2202*
Fax: *940-898-2209*

The programs of the College of Professional Education design ways to place knowledge in service to society. Four components comprise the College: the Department of Family Sciences (p. 351), the Department of Reading (p. 371), the Department of Teacher Education (p. 373), and the School of Library and Information Studies (p. 391),.

Programs leading to the Bachelor of Arts, Bachelor of Science, Master of Arts in Teaching, Master of Arts, Master of Science, Master of Education, Master of Library Science, Master of Arts in Science, and Doctor of Philosophy degrees are available through the College. Teacher Education programs in the College are accredited by the State Board for Educator Certification (SBEC). Master's programs in Library and Information Studies are accredited by the American Library Association. The Counseling and Development program is accredited by The Council for Accreditation of Counseling & Related Educational Programs (CACREP). The Master of Science in Family Therapy is accredited by The Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE).

Undergraduate studies in teacher education are offered in an Interdisciplinary Studies major, with academic specializations in bilingual or English as a second language (ESL), special education and English, language arts and reading. Other undergraduate degrees are available in child development, family studies, and family and consumer sciences.

The College of Professional Education offers graduate degrees in library science, child development, family studies, family therapy, counseling and development, reading, special education, educational administration, teaching, learning and curriculum, and early childhood education.

The College of Professional Education also offers programs preparatory to teacher certification and certification for school librarians, principals, superintendents, counselors, reading specialists, master reading teachers, and diagnosticians as authorized by the State Board for Educator Certification.

Department of Family Sciences

Chair: *Karen Petty, Professor*
Location: *HDB 115*
Phone: *940-898-2698*
Fax: *940-898-2676*
E-mail: *kpetty@twu.edu*

Undergraduate Degrees Offered

- B.S. in Child Development (p. 354)
- B.S. in Child Development (Child Life Emphasis) (p. 355)
- B.S. in Child Development (Pre-Occupational Therapy) (p. 357)
- B.S. in Child Development (Pre-Physical Therapy) (p. 358)
- B.S. in Family and Consumer Sciences (Composite Certification) (p. 360)
- B.S. in Family and Consumer Sciences (Hospitality, Nutrition, and Food Sciences Certification) (p. 362)
- B.S. in Family and Consumer Sciences (Human Development and Family Studies Certification) (p. 364)
- B.S. in Family Studies (p. 366)
- B.S. in Family Studies (Pre-Occupational Therapy) (p. 368)

The Department of Family Sciences (http://www.twu.edu/family-sciences) offers programs leading to the Bachelor of Science degree in Child Development, Child Development with an emphasis in Child Life, Child Development in preparation for a Master's in Occupational Therapy, Child Development in preparation for a Doctorate in Physical Therapy, Family Studies, Family Studies in preparation for a Master's in Occupational Therapy, and Family and Consumer Sciences in preparation for Teacher Certification. The Department offers early childhood education classes in support of the EC-6 Generalist Certification program offered through Interdisciplinary Studies.

Master of Science degrees are offered in Child Development, Early Childhood Education (M.Ed.), Counseling and Development – School; Counseling and Development – Clinical Mental Health, Counseling and Development Dual Degree with Music (with a specialization in music therapy), Family Studies, and Family Therapy. A Master of Education is offered in Early Childhood Education. Doctoral degrees are offered in Early Childhood Development and Education (Ph.D.), Family Studies (Ph.D.) and Family Therapy (Ph.D.).

The Department of Family Sciences operates the Counseling and Family Therapy Clinic (CFTC) located in the Human Development Building. The CFTC is staffed by a clinic director and graduate students in Family Therapy and Counseling and Development programs under the supervision of faculty. The Center specializes in providing counseling and therapy to children, adults, couples, and families who seek help from mental health professionals.

Completion of the B.S. degree with a major in Family and Consumer Sciences satisfies the course requirements for a Standard Certificate in Family and Consumer Sciences.

The Department of Family Sciences and the School of Occupational Therapy have a partnership through which students may major in either Child Development or Family Studies in the Department of Family Sciences while also completing electives with an emphasis in Occupational Therapy, plus prerequisites. Both undergraduate degrees prepare the student for their Master's in Occupational Therapy.

The Department of Family Sciences and the School of Physical Therapy have a partnership through which students may major in Child Development while completing electives with an emphasis in Physical Therapy, plus prerequisites. The undergraduate degree prepares the student for entering the Doctoral program in Physical Therapy.

Admissions

Please see Admission (p. 18) section of this catalog. The same standards for admission to the University apply to the Department of Family Sciences.

Minors

Child Development and Family Studies Minor

An academic minor in Child Development or Family Studies requires 18 semester credit hours of study in child development. Of these, six semester credit hours must be junior or senior level courses.

Courses

FS 1001. Seminar in Family Sciences. Qualities which identify family sciences as a profession, historical aspects, mission, interrelationship of specialization, career options. One lecture hour a week. Credit: One hour.

FS 1513. Human Development. Development from infancy through senescence; familial and societal influences; varied theoretical perspectives. Includes fifteen-hour observation experience. Three lecture and one laboratory hour a week. Credit: Three hours.

FS 1603. Child in the Family and Community. (TCCN TECA 1303) Effective ways for home, school, and community to contribute to the optimal development of a child. Three lecture hours a week. Credit: Three hours.

FS 2003. Diversity in Contemporary Families: A Global Perspective. Examination of diverse family systems and structures focusing on cultural, demographic, and historical influences. Analysis of differences and similarities with respect to family form and ethnicity. Three lecture hours a week. Credit: Three hours.

FS 2503. Development of Infants and Toddlers. Prenatal development; the physical, mental, emotional, and social development of infants and toddlers, birth to 36 months of age; the care and guidance of infants and toddlers. Three lecture hours a week. Credit: Three hours.

FS 2513. Early Childhood Development. (TCCN TECA 1354) Physical, mental, emotional, and social growth of the child from three through eight years. Three lecture hours a week. Credit: Three hours.

FS 2523. Wellness of the Young Child. (TCCN TECA 1318) Introduction to factors that impact the well-being of the young child including safety, healthy behavior, fitness, nutrition, and food. Focus on local and national standards and legal implications of relevant policies and regulation for young children birth through eight. Three lecture hours a week. Credit: Three hours.

FS 2563. Childhood Guidance. Patterns and theory of behavior and guidance in relation to developmental stages of childhood; includes 15 hours of observation in an early childhood program. Three lecture hours a week. Credit: Three hours.

FS 3403. Concept Development in Early Childhood Programs. Appropriate cognitive and affective concepts, activities, and programs for young children; includes 24 hours field experience in an early childhood classroom. Prerequisites: FS 2513 and FS 2563. Three lecture hours a week. Credit: Three hours.

FS 3413. Program Planning and Administration of Programs for Young Children. Program planning and administrative techniques, evaluation of children's individual growth and development, techniques for encouraging parent involvement, evaluation of quality environment for young children, and consideration of ethical issues; includes 24 hours of field experience/direct observation in varied programs for young children over the course of the semester. Prerequisites: FS 2513 and FS 2563. Three lecture hours a week. Credit: Three hours.

FS 3513. Childhood and Adolescence. Physical, mental, emotional, and social growth of the individual from six through adolescence: guidance techniques. Three lecture hours a week. Credit: Three hours.

FS 3523. The Care and Education of Children: A Global Perspective. How social or political systems, geographic locale and cultural values shape views of children and influence their care and education. Emphasis on differences in attitudes and values when comparing western and non-western perspectives. Three lecture hours a week. Credit: Three hours.

FS 3533. Research Methods in Family Sciences. Development of foundational knowledge of research methodology typically used in the study of children and families; emphasis on both qualitative and quantitative research designs. Prerequisite: Junior standing. Three lecture hours a week. Credit: Three hours.

FS 3563. Creative Arts and Literature for Young Children. An exploration of theory, practice, and materials for teaching young children music, movement, visual arts, and literature through process-oriented experiences to support divergent thinking. Prerequisites: FS 2563 and FS 2513. Three lecture and one and one-half laboratory hours a week. Credit: Three hours.

FS 3573. Creative Arts for Elementary School Aged Children. Theoretical and empirical bases for creative arts experiences in education; concepts, terminology, processes, skills, histories, and application of visual arts, music, and theatre arts in elementary education. Three lecture hours a week. Credit: Three hours.

FS 3613. Crisis in the American Family. Special situations affecting the family system: alcoholism, chronic illness, death, delinquency, divorce, drug dependence, mental retardation, mental illness, and mobility. Three lecture hours a week. Credit: Three hours.

FS 3633. Older Persons and the Family. Psychological characteristics of aging persons; family implications; developmental needs; interactions with children and extended family; attitudes toward sex, death, independence/dependence; legal and ethical concerns. Three lecture hours a week. Credit: Three hours.

FS 3663. Foundations of Early Childhood Education. (TCCN TECA 1311) Theoretical and historical foundations of early childhood education programs; preschool and kindergarten goals, childcare, staffing, management, and evaluation; trends and issues including legal mandates, special needs, and teacher responsibilities. Three lecture hours a week. Credit: Three hours.

FS 3713. Family Housing. Housing requirements for today's families; principles of house planning; understanding of basic construction and services; procedures of home financing; consideration of community planning, zoning, and orientation in choosing location. Three lecture hours a week. Credit: Three hours.

FS 3723. Field Experience in Family and Consumer Sciences Occupations. Supervised field experience/teaching in family and consumer sciences occupations. One lecture and eight laboratory hours a week. Credit: Three hours.

FS 3733. Family Life and Consumer Education. Organization, planning, and implementation of family life and consumer education programs. Emphasis placed on curriculum, methods of delivery, resources, evaluation, and professional ethics. Three lecture hours a week. Credit: Three hours.

FS 4103. Issues and Trends in Family Sciences. In-depth study of issues and trends in Family Sciences. May be repeated when topic varies. Three lecture hours a week. Credit: Three hours.

FS 4233. Applied Design for Home and Family. Use of design principles and available interior materials to achieve physically, psychologically, and aesthetically healthy home interiors for families across the lifespan. Three lecture hours a week. Credit: Three hours.

FS 4403. Child Life I: Working with Hospitalized Children and Families. Research in Child Life and related areas; application of developmentally appropriate practice in a health care setting; mission, goals, and values of the Child Life profession. Prerequisites: FS 2513, FS 2563, FS 3403, and FS 3563. Three lecture hours a week. Credit: Three hours.

FS 4523. Family Development. Development and relationships of individual family members through the stages of the family life cycle and family crises. Three lecture hours a week. Credit: Three hours.

FS 4533. Communication and the Family. Recognition, development, and utilization of effective communication in a family milieu. Three lecture hours a week. Credit: Three hours.

FS 4543. Developmental Sexuality. Sexuality across the lifespan with emphasis on sex education within the family. Three lecture hours a week. Credit: Three hours.

FS 4583. Parenting Issues and Education. Contemporary issues in parenting, including effective resource materials for parent education. Three lecture hours a week. Credit: Three hours.

FS 4603. Occupational Issues in Family Sciences. Investigation of current trends, options, and opportunities in labor force for Family Sciences majors. Analysis of career development techniques and ethical issues. Emphasis on interaction of work and family. Development of professional portfolio. Prerequisite: Junior or senior standing. Three lecture hours a week. Credit: Three hours.

FS 4703. Methods of Teaching in Family And Consumer Sciences. In-depth study of teaching methods utilized in family and consumer science education for teacher certification. Consideration is given to learning styles, daily planning, delivery and management techniques, career and technology, and professional ethics. Three lecture hours a week. Credit: Three hours.

FS 4713. Family Economics. The family as a consuming unit. Development of consumer skills in the market place. Federal protection laws and agencies. Three lecture hours a week. Credit: Three hours.

FS 4733. Family Financial Planning. Personal finances for the family, including spending plans, credit, savings, insurance, taxes, and investments. Three lecture hours a week. Credit: Three hours.

FS 4773. Family Resource Management. Principles of organization and management; use of resources; decision-making; work simplification; time management; application of management principles to family problems; conflict management. Prerequisite: Senior standing. Three lecture hours a week. Credit: Three hours.

FS 4803. Public Policy: Family Sciences Perspectives. Process of policy formation, implementation, and evaluation. Reciprocal relationship between family functioning and public policy. Analysis of impact and effectiveness of public policy for families and consumers. Roles of family sciences professionals in influencing policy. Three lecture hours a week. Credit: Three hours.

FS 4903. Special Topics. Three lecture hours a week. Credit: Three hours.

FS 4911. Independent Study. Intensive study of a topic of individual or professional interest in Family Sciences. Credit: One hour.

FS 4913. Independent Study. Intensive study of a topic of individual or professional interest in Family Sciences. Credit: Three hours.

FS 4933. Professional Development in Family Sciences. Supervised field experience in family sciences. Clinical and educational experiences working with families. May be repeated for up to six hours of credit. Prerequisite: Permission of instructor. Three lecture hours a week and 24 observation hours a semester. Credit: Three hours.

FS 4943. Practicum in Family Sciences II. Supervised field experience in family sciences. Clinical and educational experiences working with families. May be repeated for up to six hours of credit. Prerequisite: Permission of instructor. Ten practicum hours a week. Credit: Three hours.

FS 4953. Cooperative Education. Credit: Three hours.

Faculty

Professors

ARMSTRONG, JOYCE, Professor of Family Sciences. B.S., East Texas State University; M.Ed., East Texas State University; Ph.D., Texas Woman's University.

HWANG, SHANN HWA, Professor of Family Sciences. B.A., Malone College; M.A., Ashland University; Ph.D., University of Tennessee, Knoxville.

LADD, LINDA, Professor of Family Sciences. B.A., Portland State University; M.S., Portland State University; Ph.D., Oregon State University; Psy.D., Pacific University.

LEFLORE, LARRY, Professor of Family Sciences; Dean of the Graduate School. B.A., William Carey College; M.S., University of Southern Mississippi; Ph.D., Florida State University.

MARTIN, JENNIFER L., Professor of Family Sciences; Senior Associate Provost. B.A., Lamar University; M.S., Lamar University; Ph.D., Texas Woman's University.

MURO, JOEL, Professor of Family Sciences. B.A., Austin College; M.J., University of North Texas; Ph.D., University of North Texas.

PETTY, KAREN L., Professor of Family Sciences; Chair of the Department of Family Sciences. B.S., Stephen F. Austin State University; M.Ed., Stephen F. Austin State University; Ph.D., Texas A&M University .

ROSE, KATHERINE K., Professor of Family Sciences. B.S., Baylor University; M.S., Purdue University; M.S., University of North Texas; Ph.D., Purdue University .

SNIDER, SHARLA L., Professor of Family Sciences. B.S., University of North Texas; M.A., Texas Woman's University; Ph.D., Texas Woman's University.

Associate Professors

BROCK, LINDA J., Associate Professor of Family Sciences. B.B.A., University of North Texas; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

BUCKLEY, RHONDA R., Associate Professor of Family Sciences. B.A., Auburn University; M.A., Auburn University; Ph.D., Auburn University.

GILLUM, NERISSA LEBLANC, Associate Professor of Family Sciences. B.S., Ambassador University; M.S., University of North Texas; Ph.D., University of North Carolina, Greensboro.

McCARROLL, ELIZABETH M., Associate Professor of Family Sciences. B.S., University of Texas at Austin; M.S., Texas Tech University; Ph.D., Texas Tech University.

MOORE, LIN, Associate Professor of Family Sciences. B.S., Texas Woman's University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

MURO, LILIA LAMAR, Associate Professor of Family Sciences. B.A., University of Texas at San Antonio; M.A., Southwest Texas State University; Ph.D., University of North Texas.

VITTRUP, BIRGITTE M., Associate Professor of Family Sciences. B.A., Texas State University; B.S., University of Texas at Austin; M.A., University of Texas at Austin; Ph.D., University of Texas at Austin.

Assistant Professors

BLANCO, PEDRO, Assistant Professor of Family Sciences. B.A., Southwest Texas State University; M.A., Lewis-Clark State College; Ph.D., University of North Texas.

BROWN, MELISSA MCINNIS, Assistant Professor of Family Sciences. B.A., University of Texas at Austin; M.A., University of Alabama, Tuscaloosa; PhD. University of Alabama, Tuscaloosa.

GRUBBS, LISA G., Assistant Professor of Family Sciences. B.S., University of North Texas; M.S., Texas Woman's University; Ph.D., Sam Houston State University.

HOLLIMAN, RYAN, Assistant Professor of Family Sciences. B.A., University of North Texas; M.Ed., University of North Texas; PhD., University of North Texas.

HUEY, ERRON, Assistant Professor of Family Sciences. B.A., Harding University; M.S., Oklahoma State University; Ph.D., Oklahoma State University.

KUHN, VERONICA, Assistant Professor of Family Sciences. B.A., California State University; M.A. University of San Diego; Ph.D., Loma Linda University.

McCLINTIC, SANDRA T., Assistant Professor of Family Sciences. B.S., Texas Woman's University; M.S., Texas Woman's University; Ph.D., Texas Woman's University.

NORTON, AARON, Assistant Professor of Family Sciences. B.S., University of Utah; M.S., Kansas State University; Ph.D., Kansas State University.

WOODS, SARAH B., Assistant Professor of Family Sciences. B.A., University of Rochester; M.S., University of Rochester; Ph.D., Florida State University.

Lecturer

DUTTON, CATHERINE L., Visiting Lecturer I of Family Sciences. B.A., Utah State University; M.A.T., Texas Woman's University; Ph.D., Texas Woman's University.

Bachelor of Science in Child Development

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

General Description

The Child Development program prepares students for a variety of professional roles focused on serving the needs of children and their families. Potential roles include parent education, teaching young children, administration of children's programs, public and private agencies focused on children and families, early childhood intervention, and other roles requiring similar knowledge and skills.

Bachelor of Science in Child Development Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1013	Financial and Quantitative Literacy	MATH 1332	3
Creative Arts Core			3
Elective			2
	Semester Credit Hours		15
Spring		**TCCN**	
Wellness/Mathematics CAO Core			2
FS 1001 (Recommend to take 1st or 2nd semester.)	Seminar in Family Sciences		1
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
FS 1513	Human Development		3
Social & Behavioral Science Core			3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
Multicultural Women's Studies CAO Core			3
Language, Philosophy, and Culture Core			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
FS 1603	Child in the Family and Community	TECA 1303	3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
FS 2503	Development of Infants and Toddlers		3
FS 2513	Early Childhood Development	TECA 1354	3
FS 2523	Wellness of the Young Child	TECA 1318	3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
FS 2563	Childhood Guidance		3
FS 3413	Program Planning and Administration of Programs for Young Children		3
FS 3513	Childhood and Adolescence		3
FS 3523 (GP)	The Care and Education of Children: A Global Perspective		3

FS 3533	Research Methods in Family Sciences		3
	Semester Credit Hours		15
Spring		**TCCN**	
FS 3403	Concept Development in Early Childhood Programs		3
FS 3563	Creative Arts and Literature for Young Children		3
FS 3613	Crisis in the American Family		3
FS 3663	Foundations of Early Childhood Education	TECA 1311	3
FS 4103	Issues and Trends in Family Sciences		3
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
FS 4533 or 4543 (Developmental Sexuality)	Communication and the Family		3
FS 4583	Parenting Issues and Education		3
FS 4933	Professional Development in Family Sciences		3
Electives			6
	Semester Credit Hours		15
Spring		**TCCN**	
FS 4803 or SOWK 3453 (Children's Rights and Services)	Public Policy: Family Sciences Perspectives		3
FS 4903 (Play and Development)	Special Topics		3
FS 4943	Practicum in Family Sciences II		3
Electives			6
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

Certified Family Life Educator

FS 1513	Human Development	3
FS 2003	Diversity in Contemporary Families: A Global Perspective (Take as elective.)	3
FS 3613	Crisis in the American Family	3
FS 3733	Family Life and Consumer Education (Take as elective.)	3
FS 4533	Communication and the Family	3
or FS 4543	Developmental Sexuality	
FS 4583	Parenting Issues and Education	3
FS 4603	Occupational Issues in Family Sciences (Take as elective.)	3
FS 4803	Public Policy: Family Sciences Perspectives	3
or SOWK 3453	Children's Rights and Services	
FS 4933	Professional Development in Family Sciences	3

The B.S. in Child Development has been approved by the National Council on Family Relations as meeting the Standards and Criteria required for the Provisional Certified Family Life Educator (CFLE) designation. **Courses above** must be completed in order to qualify for the abbreviated CFLE application process. **Note that FS 2003, FS 3733 and FS 4603 must be taken as electives.**

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Child Development (Child Life)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

This specialized Child Development program prepares students to compete for placement in Child Life Internships. Students choose elective courses designed to provide the specialized knowledge needed to work with children in health care settings.

Bachelor of Science in Child Development (Child Life) Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1013	Financial and Quantitative Literacy	MATH 1332	3
Creative Arts Core			3

Elective			2
	Semester Credit Hours		15
Spring		**TCCN**	
Wellness/Mathematics CAO Core			2
FS 1001 (Recommend to take 1st or 2nd semester.)	Seminar in Family Sciences		1
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
FS 1513	Human Development		3
Social & Behavioral Science Core			3
	Semester Credit Hours		15
Second Year			
Fall		**TCCN**	
Multicultural Women's Studies Core			3
Language, Philosophy, and Culture Core			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
FS 1603	Child in the Family and Community	TECA 1303	3
	Semester Credit Hours		15
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
FS 2503	Development of Infants and Toddlers		3
FS 2513	Early Childhood Development	TECA 1354	3
FS 2523	Wellness of the Young Child	TECA 1318	3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
FS 2563	Childhood Guidance		3
FS 3413	Program Planning and Administration of Programs for Young Children		3
FS 3513	Childhood and Adolescence		3
FS 3523 (GP)	The Care and Education of Children: A Global Perspective		3
FS 3533	Research Methods in Family Sciences		3
	Semester Credit Hours		15
Spring		**TCCN**	
FS 3403	Concept Development in Early Childhood Programs		3
FS 3563	Creative Arts and Literature for Young Children		3
FS 3613	Crisis in the American Family		3
HS 3033	Medical Terminology		3
Electives			3
	Semester Credit Hours		15
Fourth Year			
Fall		**TCCN**	
FS 4403	Child Life I: Working with Hospitalized Children and Families		3
FS 4533 or 4543 (Developmental Sexuality)	Communication and the Family		3
FS 4933	Professional Development in Family Sciences		3
Electives			6
	Semester Credit Hours		15
Spring		**TCCN**	
FS 4583	Parenting Issues and Education		3
FS 4803 or SOWK 3453 (Children's Rights and Services)	Public Policy: Family Sciences Perspectives		3
FS 4903 & 4903 ("Child Life II" and "Play and Development")	Special Topics and Special Topics		6

FS 4943	Practicum in Family Sciences II	3
	Semester Credit Hours	15
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Child Development (Pre-Occupational Therapy)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

General Description

This specialized Child Development program is one of five at Texas Woman's University to offer degree plans in preparation for occupation therapy. Application is competitive and the TWU Graduate Catalog should be consulted for directions regarding minimum criteria for general admission to the MOT program. Undergraduates who want to prepare for application to the Master of Occupational Therapy program must meet TWU undergraduate core requirements, complete required course in the child development major as well as prerequisites and required courses for the Master of Occupational Therapy.

Minimum requirements for Alumni Advantage admission to the Master of Occupational Therapy program are:

- Texas Woman's University bachelor degree with major in child development.
- Submission of GRE scores
- Overall grade point average of 3.7 calculated on last 60 semester credit hours before completion of the Texas Woman's University baccalaureate degree.
- A grade of B or higher for each MOT prerequisite course.
- Complete other MOT admission requirements as determined by the TWU School of Occupational Therapy.

Please refer to the School of Occupational Therapy portion of the undergraduate catalog for further information and the Family Sciences web page at www.twu.edu/family-sciences as some additional requirements may have changed.

Bachelor of Science in Child Development (Pre-Occupational Therapy) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
Creative Arts Core			3
PSY 1013	Introduction to General Psychology	PSYC 2301	3
	Semester Credit Hours		16
Spring		**TCCN**	
Wellness/Mathematics CAO Core			2
FS 1001 (Recommend to take 1st or 2nd semester.)	Seminar in Family Sciences		1
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
FS 1513	Human Development		3
PSY 2513	Abnormal Psychology		3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
ZOOL 2013 & ZOOL 2011 (& Lab)	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	4
Language, Philosophy, and Culture Core			3
GOV 2013	U.S. National Government	GOVT 2305	3
FS 1603	Child in the Family and Community	TECA 1303	3

Electives			3
	Semester Credit Hours		16
Spring		**TCCN**	
ZOOL 2023 & ZOOL 2021 (& Lab)	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	(BIOL 2302, BIOL 2402) and (BIOL 2102)	4
GOV 2023	Texas Government	GOVT 2306	3
FS 2503	Development of Infants and Toddlers		3
FS 2513	Early Childhood Development	TECA 1354	3
FS 2523	Wellness of the Young Child	TECA 1318	3
	Semester Credit Hours		16

Third Year

Fall		**TCCN**	
KINS 3623	Scientific Foundations of Human Movement		3
FS 2563	Childhood Guidance		3
FS 3513	Childhood and Adolescence		3
FS 3523 (GP)	The Care and Education of Children: A Global Perspective		3
FS 3533	Research Methods in Family Sciences		3
	Semester Credit Hours		15
Spring		**TCCN**	
ZOOL 3123 & ZOOL 3121 (& Lab)	Neuroanatomy and Neurophysiology and Neuroanatomy and Neurophysiology Laboratory		4
FS 3403	Concept Development in Early Childhood Programs		3
FS 3563	Creative Arts and Literature for Young Children		3
FS 3613	Crisis in the American Family		3
	Semester Credit Hours		13

Fourth Year

Fall		**TCCN**	
FS 4533 or 4543 (Developmental Sexuality)	Communication and the Family		3
FS 4933	Professional Development in Family Sciences		3
Multicultural Women's Studies CAO Core			3
Electives			6
	Semester Credit Hours		15
Spring		**TCCN**	
FS 4583	Parenting Issues and Education		3
FS 4803 or SOWK 3453 (Children's Rights and Services)	Public Policy: Family Sciences Perspectives		3
FS 4903 (Play and Development)	Special Topics		3
FS 4943	Practicum in Family Sciences II		3
Electives			2
	Semester Credit Hours		14
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Child Development (Pre-Physical Therapy)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

General Description

This specialized Child Development program prepares students to begin an entry-level Doctor of Physical Therapy program. A graduate degree is required to enter a career as a physical therapist. The student graduates with a B.S. in Child Development with an emphasis in Physical Therapy. Admission to the Physical Therapy program is competitive and separate from admission to the university.

A predetermined number of students can be accepted based on availability of clinical facilities, space, and faculty. See website for additional information: www.twu.edu/family-sciences.

Bachelor of Science in Child Development (Pre-Physical Therapy) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1303	Elementary Analysis I	MATH 1314, MATH 1414	3
Creative Arts Core			3
PSY 1013	Introduction to General Psychology	PSYC 2301	3
	Semester Credit Hours		16

Spring		TCCN	
Wellness/Mathematics CAO Core			2
FS 1001 (Recommend to take 1st or 2nd semester.)	Seminar in Family Sciences		1
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
FS 1513	Human Development		3
PSY 2513	Abnormal Psychology		3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
Select one of the following:			4
CHEM 1113 & CHEM 1111 (& lab)[Preferred]	General Chemistry I and General Chemistry Laboratory I	(CHEM 1311, CHEM 1411) and (CHEM 1111)	
CHEM 1013 & CHEM 1011 (& Lab)	Introductory Chemistry and Introductory Chemistry Laboratory	(CHEM 1305, CHEM 1405) and (CHEM 1105)	
Language, Philosophy, and Culture Core			3
GOV 2013	U.S. National Government	GOVT 2305	3
FS 1603	Child in the Family and Community	TECA 1303	3
	Semester Credit Hours		13

Spring		TCCN	
Select one of the following:			4
CHEM 1123 & CHEM 1121 (& lab)[Preferred]	General Chemistry II and General Chemistry Laboratory II	(CHEM 1312, CHEM 1412) and (CHEM 1112)	
CHEM 1023 & CHEM 1021 (& Lab)	Introduction to Organic and Physiological Chemistry and Introduction to Organic and Physiological Chemistry Laboratory	(CHEM 1307) and (CHEM 1107)	
GOV 2023	Texas Government	GOVT 2306	3
FS 2503	Development of Infants and Toddlers		3
FS 2513	Early Childhood Development	TECA 1354	3
FS 2523	Wellness of the Young Child	TECA 1318	3
	Semester Credit Hours		16

Third Year

Fall		TCCN	
PHYS 1133 & PHYS 1131 (& Lab)	Principles of Physics I and Principles of Physics Laboratory I	(PHYS 1301, PHYS 1401) and (PHYS 1101)	4
FS 2563	Childhood Guidance		3
FS 3513	Childhood and Adolescence		3
FS 3523 (GP)	The Care and Education of Children: A Global Perspective		3
FS 3533	Research Methods in Family Sciences		3
	Semester Credit Hours		16

Spring		TCCN	
PHYS 1143 & PHYS 1141 (& Lab)	Principles of Physics II and Principles of Physics Laboratory II	(PHYS 1302, PHYS 1402) and (PHYS 1102)	4
FS 3403	Concept Development in Early Childhood Programs		3
FS 3563	Creative Arts and Literature for Young Children		3
FS 3613	Crisis in the American Family		3
	Semester Credit Hours		13

Fourth Year

Fall		TCCN	
ZOOL 2013 & ZOOL 2011 (& Lab)	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	4
FS 4533 or 4543 (Developmental Sexuality)	Communication and the Family		3
FS 4583	Parenting Issues and Education		3
FS 4933	Professional Development in Family Sciences		3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		16

Spring		TCCN	
ZOOL 2023 & ZOOL 2021 (& Lab)	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	(BIOL 2302, BIOL 2402) and (BIOL 2102)	4
FS 4803 or SOWK 3453 (Children's Rights and Services)	Public Policy: Family Sciences Perspectives		3
FS 4903 (Play and Development)	Special Topics		3
FS 4943	Practicum in Family Sciences II		3
Electives			2
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Bachelor of Science in Family and Consumer Sciences (6-12 Composite Certification)

Total Semester Credit Hours Required

120 semester credit hours.

Major

58 semester credit hours.

Minor

20 semester credit hours.

General Description

The Family and Consumer Sciences (FCS) major is a broad program which includes preparation in general University requirements and in specific subject matter areas of family and consumer sciences including family life, child development, food and nutrition, housing and household equipment, management, fashion and textiles, and consumer sciences. Successful completion of this major leads to certification to teach Family and Consumer Sciences in the secondary schools, grades 6-12.

Admission to the Teacher Education Program is required before professional education classes can be taken. For additional information, see the College of Professional Education section in this catalog.

All undergraduate students seeking initial Texas teacher certification through Texas Woman's University must complete the Education Minor. Students not seeking FCS teacher certification should select a new major area of study.

Bachelor of Science in Family and Consumer Sciences (6-12 Composite Certification) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3

MATH 1013	Financial and Quantitative Literacy	MATH 1332	3
Creative Arts Core			3
FT 1013	Principles and Techniques of Design Construction	HECO 1328	3
Electives			1
	Semester Credit Hours		17

Spring		**TCCN**	
Wellness/Mathematics CAO Core			2
FS 1001 (Recommend to take 1st or 2nd semester.)	Seminar in Family Sciences		1
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Social/Behavioral Science Core			3
NFS 1302 & NFS 1301 (& Lab)	Food Preparation Principles and Food Preparation Principles Laboratory	(HECO 1315) and (HECO 1315)	3
CSCI 3002	Advanced Computing Technology		2
	Semester Credit Hours		17

Second Year

Fall		**TCCN**	
WS 2013 (GP)	Gender and Social Change: An Introduction to Multicultural-Women's Studies		3
Language, Philosophy, and Culture Core			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
FS 3513	Childhood and Adolescence		3
	Semester Credit Hours		15

Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
NFS 2343	Nutritional Management for the Family And Child		3
FS 3633	Older Persons and the Family		3
FS 3713	Family Housing		3
FS 3723	Field Experience in Family and Consumer Sciences Occupations		3
	Semester Credit Hours		18

Third Year

Fall		**TCCN**	
FS 4103 or 4803 (Public Policy: FS Perspective)	Issues and Trends in Family Sciences		3
FS 4233	Applied Design for Home and Family		3
FS 4523	Family Development		3
FS 4543	Developmental Sexuality		3
FS 4603	Occupational Issues in Family Sciences		3
	Semester Credit Hours		15

Spring		**TCCN**	
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
EDUC 2003	Schools and Society	EDUC 1301	3
FS 4583	Parenting Issues and Education		3
FS 4713 or 4733 (Family Financial Planning)	Family Economics		3
READ 3013	Literacy and Learning across the Curriculum		3
	Semester Credit Hours		15

Fourth Year

Fall		**TCCN**	
FS 4703	Methods of Teaching in Family And Consumer Sciences		3
FS 4773	Family Resource Management		3

EDUC 3003	Learning Theory and Development	3
EDUC 3482	Teaching Diverse Learners Through Technology Integration	2
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
	Semester Credit Hours	17
Spring	**TCCN**	
EDUC 4106	Student Teaching: Family and Consumer Sciences	6
	Semester Credit Hours	6
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Requirements for Certification:

1. Admission to Teacher Education requires:

- GPA 2.75 (minimum)
- TASP/THEA minimum scores (Reading = 260; Math = 240; Writing = 240) **OR** Accuplacer minimum scores (Reading = 80; Math = 65; Writing-Sentence = 82; Writing-Essay = 6)
- **TExES -** Pedagogy & Professional Responsibility minimum score of 240 **and** **AAFCS** - Texas Teacher Certification Version – Family & Consumer Sciences Composite Examination.
- Demonstration of Oral Communication Proficiency

2. Teacher certification candidates must pass a basic literacy (TASP/THEA **OR** Accuplacer) test, the TExES test in Secondary Pedagogy and Professional Responsibility, and the AAFCS/CFC – Texas Teacher Certification Version - for the content field in which the candidate intends to teach. A successful passing score on the AAFCS/TX Content Examination leads to the Certified Family and Consumer Sciences credential.

3. No grade below a C will be accepted for course work completed in major or minor.

4. Successful completion of student teaching is a requirement for Family and Consumer Science majors.

B.S. in Family and Consumer Sciences (8-12 Hospitality, Nutrition, & Food Sciences Certification)

Total Semester Credit Hours Required

120 semester credit hours.

Major

58 semester credit hours.

Minor

20 semester credit hours.

General Description

The Family and Consumer Sciences Specialized Teacher Certification in Hospitality, Nutrition, and Food Science offers the opportunity to teach **only** hospitality, nutrition, and food science courses at grades 8-12 in Family and Consumer Sciences Education.

Admission to Teacher Education requires acceptable scores on assessment exam and student has been admitted to the Teacher Education Program. No professional education classes can be taken until acceptable assessment exam scores are achieved. For additional information, see the College of Professional Education in this catalog.

All undergraduate students seeking initial Texas teacher certification through Texas Woman's University must complete the Education Minor. Students not seeking FCS teacher certification should select a new major area of study. See department website: www.twu.edu/family-sciences.

Bachelor of Science in Family and Consumer Sciences (8-12 Hospitality, Nutrition & Food Science Certification) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1013	Financial and Quantitative Literacy	MATH 1332	3
Creative Arts Core			3
NFS 2323	Introduction to Nutrition	HECO 1322, BIOL 1322	3

Elective			1
	Semester Credit Hours		17
Spring		**TCCN**	
Wellness/Mathematics CAO Core			2
FS 1001 (Recommend to take 1st or 2nd semester.)	Seminar in Family Sciences		1
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Social/Behavioral Science Core			3
NFS 2033 & NFS 2031 (& Lab)	Food Microbiology and Food Microbiology Laboratory		4
	Semester Credit Hours		16
Second Year			
Fall		**TCCN**	
WS 2013 (GP)	Gender and Social Change: An Introduction to Multicultural-Women's Studies		3
Language, Philosophy, and Culture Core			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core (CHEM 1013 & 1011 "Intro. Chemistry /w Lab" suggested)			3
CSCI 3002	Advanced Computing Technology		2
NFS 3033	Nutrition throughout the Life Cycle		3
	Semester Credit Hours		17
Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core (CHEM 1023 & 1021 "Intro. Organic & Physiological Chemistry /w Lab" suggested)			3
FS 3513	Childhood and Adolescence		3
NFS 3043	Community Nutrition		3
NFS 1302 & NFS 1301 (& Lab)	Food Preparation Principles and Food Preparation Principles Laboratory	(HECO 1315) and (HECO 1315)	3
	Semester Credit Hours		15
Third Year			
Fall		**TCCN**	
FS 3723 (Satisfies oral communication proficiency for TEA purposes.)	Field Experience in Family and Consumer Sciences Occupations		3
NFS 4023	Food Product Development		3
NFS 4744	Principles of Foodservice Systems		4
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
EDUC 2003	Schools and Society	EDUC 1301	3
	Semester Credit Hours		16
Spring		**TCCN**	
NFS 3323 & NFS 3321 (& Lab)	Food Science and Food Science Laboratory		4
NFS 3713 & NFS 3722 (& Lab)	Quantity Food Production and Service and Quantity Food Production and Service Laboratory		5
READ 3013	Literacy and Learning across the Curriculum		3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
	Semester Credit Hours		17

Fourth Year		
Fall		**TCCN**
FS 4703	Methods of Teaching in Family And Consumer Sciences	3
BUS 3003 or FS 4773	Principles of Management	3
NFS 4701 or 3041	Dietetics As a Profession	1
NFS 4473 or 4943	Nutrition Therapy and Education Methods	3
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
	Semester Credit Hours	16
Spring		**TCCN**
EDUC 4106	Student Teaching: Family and Consumer Sciences	6
	Semester Credit Hours	6
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Requirements for Certification:

1. Admission to Teacher Education requires:

- GPA 2.75 (minimum)
- TASP/THEA minimum scores (Reading = 260; Math = 240; Writing = 240) **OR** Accuplacer minimum scores (Reading = 80; Math = 65; Writing-Sentence = 82; Writing-Essay = 6)
- **TExES -** Pedagogy & Professional Responsibility minimum score of 240 **and AAFCS** - Texas Teacher Certification Version – Family & Consumer Sciences Composite Examination.
- Demonstration of Oral Communication Proficiency

2. Teacher certification candidates must pass a basic literacy (TASP/THEA **OR** Accuplacer) test, the TExES test in Secondary Pedagogy and Professional Responsibility, and the AAFCS/CFC – Texas Teacher Certification Version - for the content field in which the candidate intends to teach. A successful passing score on the AAFCS/TX Content Examination leads to the Certified Family and Consumer Sciences credential.

3. No grade below a C will be accepted for course work completed in major or minor.

4. Successful completion of student teaching is a requirement for Family and Consumer Science majors.

B.S. in Family and Consumer Sciences (8-12 Human Development and Family Studies Certification)

Total Semester Credit Hours Required

120 semester credit hours.

Major

58 semester credit hours.

Minor

20 semester credit hours.

General Description

The Family and Consumer Sciences Specialized Teacher Certification in Human Development and Family Studies offers the opportunity to teach **only** human development and family studies courses at grades 8-12 in Family and Consumer Sciences Education.

For additional information on admission to the Teacher Education Program, see the College of Professional Education in this catalog.

All undergraduate students seeking initial Texas teacher certification through Texas Woman's University must complete the Education Minor. Students not seeking FCS teacher certification should select a new major area of study. See department website for additional information: www.twu.edu/family-sciences.

Bachelor of Science in Family and Consumer Sciences (8-12 Human Development and Family Studies Certification) Program of Study

First Year			
Fall		**TCCN**	**Semester Credit Hours**
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1013	Financial and Quantitative Literacy	MATH 1332	3
Creative Arts Core			3
FS 2513	Early Childhood Development	TECA 1354	3
	Semester Credit Hours		16

Spring		**TCCN**	
Wellness/Mathematics CAO Core			2
FS 1001 (Recommend to take 1st or 2nd semester.)	Seminar in Family Sciences		1
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Social/Behavioral Science Core			3
FS 2003 or 3523 (Care & Education of Children: GP)	Diversity in Contemporary Families: A Global Perspective		3
Electives			2
	Semester Credit Hours		17

Second Year

Fall		**TCCN**	
Multicultural Women's Studies CAO Core			3
Language, Philosophy, and Culture Core			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
CSCI 3002	Advanced Computing Technology		2
Electives			3
	Semester Credit Hours		17

Spring		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
NFS 2343	Nutritional Management for the Family And Child		3
FS 3513 (Required for Teacher Certification.)	Childhood and Adolescence		3
FS 3633	Older Persons and the Family		3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
FS 3723 (Required for Teacher Certification. Satisfies oral communication proficiency for TEA purposes.)	Field Experience in Family and Consumer Sciences Occupations		3
FS 4103 or 4803 (Public Policy: FS Perspective)	Issues and Trends in Family Sciences		3
FS 4523	Family Development		3
FS 4533	Communication and the Family		3
EDUC 2003	Schools and Society	EDUC 1301	3
	Semester Credit Hours		15

Spring		**TCCN**	
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
READ 3013	Literacy and Learning across the Curriculum		3
FS 4543	Developmental Sexuality		3
FS 4583	Parenting Issues and Education		3
EDUC 3003	Learning Theory and Development		3
Electives			2
	Semester Credit Hours		17

Fourth Year

Fall		**TCCN**	
FS 4603	Occupational Issues in Family Sciences		3
FS 4703 (Required for Teacher Certification.)	Methods of Teaching in Family And Consumer Sciences		3
FS 4773	Family Resource Management		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2

EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
	Semester Credit Hours	17
Spring	**TCCN**	
EDUC 4106	Student Teaching: Family and Consumer Sciences	6
	Semester Credit Hours	6
	Total Semester Credit Hours:	120

Recommended Electives List

FS 1603	Child in the Family and Community	3
FS 2503	Development of Infants and Toddlers	3
FS 2563	Childhood Guidance	3
FS 3403	Concept Development in Early Childhood Programs	3
FS 3563	Creative Arts and Literature for Young Children	3
FS 3713	Family Housing	3
FS 4103	Issues and Trends in Family Sciences	3
FS 4713	Family Economics	3
FS 4733	Family Financial Planning	3

(GP) courses satisfy global perspectives graduation requirement.

Requirements for Certification:

1. Admission to Teacher Education requires:

- GPA 2.75 (minimum)
- TASP/THEA minimum scores (Reading = 260; Math = 240; Writing = 240) **OR** Accuplacer minimum scores (Reading = 80; Math = 65; Writing-Sentence = 82; Writing-Essay = 6)
- **TExES -** Pedagogy & Professional Responsibility minimum score of 240 **and AAFCS** - Texas Teacher Certification Version – Family & Consumer Sciences Composite Examination.
- Demonstration of Oral Communication Proficiency

2. Teacher certification candidates must pass a basic literacy (TASP/THEA **OR** Accuplacer) test, the TExES test in Secondary Pedagogy and Professional Responsibility, and the AAFCS/CFC – Texas Teacher Certification Version - for the content field in which the candidate intends to teach. A successful passing score on the AAFCS/TX Content Examination leads to the Certified Family and Consumer Sciences credential.

3. No grade below a C will be accepted for course work completed in major or minor.

4. Successful completion of student teaching is a requirement for Family and Consumer Science majors.

Certified Family Life Educator

FS 1513	Human Development (CFLE elective)	3
FS 2003	Diversity in Contemporary Families: A Global Perspective	3
FS 3613	Crisis in the American Family (CFLE elective)	3
FS 3733	Family Life and Consumer Education (CFLE elective)	3
FS 4103	Issues and Trends in Family Sciences	3
FS 4523	Family Development	3
FS 4533	Communication and the Family	3
FS 4543	Developmental Sexuality	3
FS 4583	Parenting Issues and Education	3
FS 4603	Occupational Issues in Family Sciences	3
FS 4773	Family Resource Management	3
FS 4943	Practicum in Family Sciences II	3

The B.S. in Family and Consumer Sciences has been approved by the National Council on Family Relations as meeting the Standards and Criteria required for the Provisional Certified Family Life Educator (CFLE) designation. Above courses must be completed in order to qualify for the abbreviated CFLE application process.

Bachelor of Science in Family Studies

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

General Description

The Bachelor of Science degree in Family Studies is a broad human services degree which may lead to employment working with families in social service agencies ranging from child to geriatric services to church and family planning agencies. The degree is especially appropriate for work in the business world when combined with a business minor or a second major in business. The emphasis upon developing interpersonal skills is advantageous in the business arena. It is an appropriate major for those interested in graduate degrees leading to careers in family therapy or family life education, occupational therapy, and counseling and development.

The Family Studies curriculum has been approved by the National Council on Family Relations (NCFR) as meeting the Standards and Criteria required for the Provisional Certified Family Life Educator (CFLE) designation. Relevant course work for each of the 10 family life substance areas needed for the Provisional Certified Family Life Educator designation is included in the degree program. Graduates qualify to complete the abbreviated CFLE application process.

Bachelor of Science in Family Studies Program of Study

First Year

Fall		TCCN	Semester Credit Hours
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1013	Financial and Quantitative Literacy	MATH 1332	3
Creative Arts Core			3
Elective			2
	Semester Credit Hours		15

Spring		TCCN	
Wellness/Mathematics CAO Core			2
FS 1001 (Recommend to take 1st or 2nd semester.)	Seminar in Family Sciences		1
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
FS 1513	Human Development		3
Social/Behavioral Science Core			3
	Semester Credit Hours		15

Second Year

Fall		TCCN	
Multicultural Women's Studies CAO Core			3
Language, Philosophy, and Culture Core			3
GOV 2013	U.S. National Government	GOVT 2305	3
Life/Physical Science Core			3
FS 1603	Child in the Family and Community	TECA 1303	3
	Semester Credit Hours		15

Spring		TCCN	
GOV 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
FS 2003 (GP)	Diversity in Contemporary Families: A Global Perspective		3
FS 2513	Early Childhood Development	TECA 1354	3
FS 3513 or 2503 (Development of Infants and Toddlers)	Childhood and Adolescence		3
	Semester Credit Hours		15

Third Year

Fall		TCCN	
FS 3613	Crisis in the American Family		3
FS 3633	Older Persons and the Family		3
FS 3733	Family Life and Consumer Education		3
FS 4103	Issues and Trends in Family Sciences		3
Electives			3
	Semester Credit Hours		15

Spring		TCCN	
FS 3533	Research Methods in Family Sciences		3
FS 4523	Family Development		3
FS 4533	Communication and the Family		3
FS 4543	Developmental Sexuality		3
Electives			3
	Semester Credit Hours		15

Fourth Year

Fall		TCCN	
FS 4583	Parenting Issues and Education		3
FS 4603	Occupational Issues in Family Sciences		3
FS 4713 or 3713 (Family Housing)	Family Economics		3
FS 4933	Professional Development in Family Sciences		3
Electives			3
	Semester Credit Hours		15

Spring		TCCN	
NFS 2343	Nutritional Management for the Family And Child		3
FS 4733	Family Financial Planning		3
FS 4773	Family Resource Management		3
FS 4803 or SOWK 3453 (Children's Rights and Services)	Public Policy: Family Sciences Perspectives		3
FS 4943	Practicum in Family Sciences II		3
	Semester Credit Hours		15
	Total Semester Credit Hours:		120

(GP) courses satisfy global perspectives graduation requirement.

Suggested areas of emphasis utilizing elective courses:

Administration of Child and Family Agencies

BUS 3113	Principles of Marketing	3
BUS 4153	Services Marketing	3
BUS 3273	Human Resource Management	3
or BUS 4443	Small Business Management	

Certified Family Life Educator

FS 1513	Human Development	3
FS 2003	Diversity in Contemporary Families: A Global Perspective	3
FS 3613	Crisis in the American Family	3
FS 3733	Family Life and Consumer Education	3
FS 4523	Family Development	3
FS 4533	Communication and the Family	3
FS 4543	Developmental Sexuality	3
FS 4583	Parenting Issues and Education	3
FS 4603	Occupational Issues in Family Sciences	3
FS 4773	Family Resource Management	3
FS 4803	Public Policy: Family Sciences Perspectives	3
FS 4943	Practicum in Family Sciences II	3

Bachelor of Science in Family Studies (Pre-Occupational Therapy)

Total Semester Credit Hours Required

120 semester credit hours.

Major

78 semester credit hours.

General Descriptions

This specialized Family Studies program is one of five at Texas Woman's University to offer degree plans in preparation for occupation therapy. Application is competitive and the TWU Graduate Catalog should be consulted for directions regarding minimum criteria for general admission to the MOT program. Undergraduates who want to prepare for application to the Master of Occupational Therapy program must meet TWU undergraduate core requirements, complete required course in the family studies major as well as prerequisites and required courses for the Master of Occupational Therapy.

Minimum requirements for Alumni Advantage applicants to the Master of Occupational Therapy program are:

- Texas Woman's University bachelor degree with major in family studies.
- Submit GRE scores
- Overall grade point average of 3.7 calculated on last 60 semester credit hours before completion of the Texas Woman's University baccalaureate degree.
- A grade of B or higher for each MOT prerequisite course.
- Complete other MOT admission requirements as determined by the TWU School of Occupational Therapy.

Please refer to the School of Occupational Therapy portion of the undergraduate catalog for further information and the Family Sciences web page at www.twu.edu/family-sciences as some additional requirements may have changed.

Bachelor of Science in Family Studies (Pre-Occupational Therapy) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1703	Elementary Statistics I	MATH 1342, MATH 1442	3
Creative Arts Core			3
PSY 1013	Introduction to General Psychology	PSYC 2301	3
	Semester Credit Hours		16
Spring		**TCCN**	
Wellness/Mathematics CAO Core			2

FS 1001 (Recommend to take 1st or 2nd semester.)	Seminar in Family Sciences		1
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
FS 1513	Human Development		3
PSY 2513	Abnormal Psychology		3
	Semester Credit Hours		15

Second Year

Fall		**TCCN**	
ZOOL 2013 & ZOOL 2011 (& Lab)	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	(BIOL 2301, BIOL 2401) and (BIOL 2101)	4
Language, Philosophy, and Culture Core			3
GOV 2013	U.S. National Government	GOVT 2305	3
FS 1603	Child in the Family and Community	TECA 1303	3
FS 2003 (GP)	Diversity in Contemporary Families: A Global Perspective		3
	Semester Credit Hours		16

Spring		**TCCN**	
ZOOL 2023 & ZOOL 2021 (& Lab)	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	(BIOL 2302, BIOL 2402) and (BIOL 2102)	4
GOV 2023	Texas Government	GOVT 2306	3
FS 3533	Research Methods in Family Sciences		3
FS 3613	Crisis in the American Family		3
FS 3633	Older Persons and the Family		3
	Semester Credit Hours		16

Third Year

Fall		**TCCN**	
KINS 3623	Scientific Foundations of Human Movement		3
FS 3733	Family Life and Consumer Education		3
FS 4103	Issues and Trends in Family Sciences		3
FS 4523	Family Development		3
FS 4533	Communication and the Family		3
	Semester Credit Hours		15

Spring		**TCCN**	
ZOOL 3123 & ZOOL 3121 (& Lab)	Neuroanatomy and Neurophysiology and Neuroanatomy and Neurophysiology Laboratory		4
FS 4543	Developmental Sexuality		3
FS 4583	Parenting Issues and Education		3
FS 4603	Occupational Issues in Family Sciences		3
Electives			3
	Semester Credit Hours		16

Fourth Year

Fall		**TCCN**	
Multicultural Women's Studies CAO Core			3
FS 4733	Family Financial Planning		3
FS 4933	Professional Development in Family Sciences		3
Electives			5
	Semester Credit Hours		14

Spring		**TCCN**	
FS 4773	Family Resource Management		3
FS 4803 or SOWK 3453 (Children's Rights and Services)	Public Policy: Family Sciences Perspectives		3

FS 4943	Practicum in Family Sciences II	3
NFS 2343	Nutritional Management for the Family And Child	3
	Semester Credit Hours	12
	Total Semester Credit Hours:	120

(GP) courses satisfy global perspectives graduation requirement.

Recommended Electives List

FS 2513	Early Childhood Development	3
FS 3513	Childhood and Adolescence	3
FS 3713	Family Housing	3
or FS 4713	Family Economics	

Certified Family Life Educator

FS 1513	Human Development	3
FS 2003	Diversity in Contemporary Families: A Global Perspective	3
FS 3613	Crisis in the American Family	3
FS 3733	Family Life and Consumer Education	3
FS 4523	Family Development	3
FS 4533	Communication and the Family	3
FS 4543	Developmental Sexuality	3
FS 4583	Parenting Issues and Education	3
FS 4603	Occupational Issues in Family Sciences	3
FS 4773	Family Resource Management	3
FS 4803	Public Policy: Family Sciences Perspectives	3
FS 4943	Practicum in Family Sciences II	3

The B.S. in Family Studies has been approved by the National Council on Family Relations as meeting the Standards and Criteria required for the Provisional Certified Family Life Educator (CFLE) designation.

The above courses must be completed in order to qualify for the abbreviated CFLE application process.

Department of Reading

http://www.twu.edu/reading

Chair: Connie Briggs, Professor

Location: MCL 907
Telephone: 940-898-2227
E-mail: reading@mail.twu.edu
Fax: 940-898-2224

The Department of Reading offers coursework toward all initial teaching certificates. At the graduate level, the Department offers complete programs leading to the degrees of Master of Arts, Master of Education, Doctor of Philosophy, and Doctor of Education. A program leading to the Texas Master Reading Teacher certification is also available. All degree and certification programs in the Department of Reading at the baccalaureate, master's, and doctoral levels are fully accredited by the Texas Education Agency/State Board for Educator Certification.

Undergraduate courses in the Department of Reading are designed to provide practice and theory in reading for students seeking initial certification at EC-6, 4-8, and 8-12 grade levels.

Undergraduate Degrees

Please consult the information on degree requirements of the College of Professional Education (p. 350).

Graduate Courses

Please refer to the Graduate Catalog (http://catalog.twu.edu/graduate) for information regarding graduate courses.

Admissions

Please see the Admission (p. 18) section of this catalog.

Courses

READ 1003. Fundamentals of College Reading and Learning. Reading strategies and skills, enabling students to learn effectively at the college level and to perform well in classroom, testing, and personal situations. Does not satisfy any degree requirement, and hours earned will not count toward graduation requirements. Three lecture hours a week. Credit: Three hours.

READ 3013. Literacy and Learning across the Curriculum. Study and practice of theory, content, and methods for integrating reading and related literacy skills into content and related area instruction. Emphasizes interrelatedness of literacy processes and their importance in all instruction and learning; strategies for improving text comprehension, developing vocabulary, discussing and writing to learn, and using study and inquiry skills with a variety of texts. Three lecture hours a week. Credit: Three hours.

READ 3423. Literacy Foundations: 4-8. Guidance and practice in planning and organizing for instruction in reading, writing, listening, speaking, viewing, and visually representing in grades four through eight. Reading and language arts theory, content, and methods. Prerequisite: Junior standing and meet College of Professional Education requirements for THEA reading and writing. Three lecture hours a week. Credit: Three hours.

READ 3433. Literacy Foundations EC-6. Guidance and practice in planning and organizing for instruction in reading, writing, listening, speaking, viewing, and visually representing in early childhood through intermediate grades. Reading and language arts theory, content, and methods. Prerequisite: Junior standing and meet requirements for admission to Teacher Education. Three lecture hours a week. Credit: Three hours.

READ 3463. Strategic Learning through Text Strategies. Guidance and practice in assisting students in using appropriate strategies for accessing meaning of various forms of text. Explores ways to help students apply strategies for using reading, writing, and studying as tools for appreciating, knowing, and understanding. Prerequisite: READ 3423 with a grade of C or higher. Three lecture hours a week. Credit: Three hours.

READ 3483. Language and Literacy EC-6. Examines relationship between language and literacy development and factors that enable teachers to establish a context for language and literacy learning for diverse learners. Prerequisite: READ 3433. Three lecture hours a week. Credit: Three hours.

READ 4383. Phonological and Orthographic Principles in Reading. Define and apply understanding of the phonological and orthographic language systems as they specifically relate to literacy development. Design assessment and instruction related to children's learning of letters, sounds, and their relationship; word-analysis; and spelling. Prerequisite: READ 3423 or READ 3433 with a grade of C or higher. Three lecture hours a week. Credit: Three hours.

READ 4413. Integrated Language Arts for Grades 4-8. Instruction and practice in the teaching of reading, writing, speaking, listening, viewing, and visually representing for teachers of early adolescents. This course includes a strong emphasis on integrating the language arts through process writing. Prerequisite: READ 3423. Three lecture hours a week. Credit: Three hours.

READ 4453. Literacy Assessment and Instruction: EC6. Examines characteristics and uses of a wide variety of evaluation and assessment tools. Students analyze data in order to plan appropriate instruction, identify children in need of in-depth intervention, and learn to communicate student literacy outcomes to various audiences. Prerequisite: READ 3433 with a grade of C or higher. Three lecture hours a week. Credit: Three hours.

READ 4493. Reading and Language Arts across the Curriculum: EC-6. Guidance and practice for helping students develop strategies in reading comprehension, fluency, and writing to learn, including use of various text organizers and graphics. Use of multiple sources of information and technology and integration of content areas. Prerequisite: READ 3433 with a grade of C or higher. Three lecture hours a week. Credit: Three hours.

READ 4563. Reading Assessment and Instruction: Grades 4-8. Reading Assessment and Instruction: Grades 4-8. Examines characteristics and uses of formal and informal literacy assessment tools for students in grades 4-8; strategies for incorporating results into literacy instruction; state content and performance standards for literacy; and strategies for providing in-depth intervention. Prerequisite: READ 3423 with a grade of C or higher. Three lecture hours a week. Credit: Three hours.

READ 4903. Special Topics. Three lecture hours a week. Credit: Three hours.

READ 4911. Independent Study. Credit: One hour.

READ 4913. Independent Study. Credit: Three hours.

Faculty

Professors

ANDERSON, NANCY, Professor of Reading. B.A., Texas Lutheran University; M.Ed., University of Houston; Ph.D., Ohio State University .

BRIGGS, CONNIE M., Professor of Reading; Chair of the Department of Reading. B.A., Southeastern Oklahoma State University; M.Ed., Southeastern Oklahoma State University; Ph.D., University of North Texas.

SIMPSON, ANNE M., Cornaro Professor of Reading. B.A., Southern Methodist University; M.Ed., Texas A&M University; Ph.D., University of North Texas.

WATSON, PATRICIA A., Professor of Reading. B.S., Missouri State University; M.S., Missouri State University; Ph.D., University of Missouri, Columbia.

Associate Professors

ELIAS, ANNETTE T., Associate Professor of Reading. B.A., University of Puerto Rico; M.Ed., Texas Woman's University; Ph.D., Texas Woman's University.

HAAG, CLAUDIA A., Associate Professor of Reading. B.A., Texas Lutheran University; M.A., Texas Woman's University; Ph.D., Texas Woman's University.

Assistant Professors

BURKE, AMY, Assistant Professor of Reading. B.A., Austin College; M.A.T., Austin College; M.Ed., Texas Woman's University; Ph.D., University of Texas at Austin .

KAYE, ELIZABETH L., Assistant Professor of Reading. B.A., Trinity University; M.A., Texas Woman's University; Ph.D., Texas Woman's University.

Department of Teacher Education

Chair: *Jane Pemberton, Professor*
Location: *SH 108*
Phone: *940-898-2271*
Fax: *940-898-2270*
E-mail: *teachereducation@twu.edu*

Undergraduate Degrees Offered

- B.S. in Interdisciplinary Studies (EC-6 Bilingual Core Subject) (p. 377)
- B.S. in Interdisciplinary (EC-6 ESL Core Subject) (p. 378)
- B.S. in Interdisciplinary Studies (EC-6 Core Subject) (p. 380)
- B.S. in Interdisciplinary Studies (EC-6 Special Education Core Subject) (p. 381)
- B.S. in Interdisciplinary Studies (4-8 Bilingual Core Subject) (p. 383)
- B.S. in Interdisciplinary Studies (4-8 English, Language Arts and Reading) (p. 384)
- B.S. in Interdisciplinary Studies (4-8 ESL Core Subject) (p. 386)
- B.S. in Interdisciplinary Studies (4-8 Core Subject) (p. 387)
- B.S. in Interdisciplinary Studies (4-8 Core Subject with Special Education) (p. 388)

Students interested in becoming teachers in Texas should see the College of Professional Education (p. 350) section of the catalog.

The Department of Teacher Education (http://www.twu.edu/teacher-education) offers courses in support of undergraduate, graduate, and post-baccalaureate teacher preparation, and graduate studies in the areas of education, bilingual or English as a second language (ESL) education, special education and educational administration.

Graduate degrees offered include: Master of Arts, Master of Education, Master of Arts in Teaching, and Doctor of Philosophy.

To meet the state requirements for teacher certification, undergraduate students select a major in the College of Professional Education (Bachelor of Science in Interdisciplinary Studies), the College of Arts and Sciences or the College of Health Studies, and complete a minor in Education.

General Description

The Interdisciplinary Studies major is required for students seeking certification in Early Childhood – Grade 6 Core Subject, Bilingual or ESL or Special Education; Grade 4-Grade 8 Core Subject, Bilingual or ESL, or Special Education, and Grade 4-Grade 8 English Language Arts and Reading. No grade below a “C” will be accepted for any course in the major or minor.

Students preparing for teacher certification in other all-level or content-specific areas select a major in the College of Arts and Sciences (p. 73) or the College of Health Sciences (p. 284). All undergraduate teacher certification candidates complete a minor in Education.

Special Education

The degree program in special education prepares teachers to work effectively with students with exceptional needs in a variety of instructional arrangements. Students in special education complete a degree program that leads to Early Childhood-Grade 6 or Grades 4-8 Core Subject certification and certification in Special Education. Certification in special education may be added to secondary content area or all-level teaching certificates.

Bilingual or ESL Education

The degree program in bilingual education prepares teachers to work effectively with linguistically diverse students in a variety of settings. Students complete a degree/certification program that leads to Early Childhood – Grade 6 or Grades 4 – 8 Bilingual or ESL Core Subject certification. Oral and written proficiency in English and Spanish is required for the Bilingual Certificate.

EDBE 4453 is a prerequisite for bilingual certificate coursework.

Graduate Courses

Please refer to the Graduate Catalog (http://catalog.twu.edu/graduate) or for information about our graduate courses in Curriculum and Instruction, Special Education, Educational Leadership, and Bilingual Education.

Admissions

Please refer to the Admission (p. 18) section of this catalog regarding acceptance into TWU.

To obtain acceptance into the undergraduate program for Teacher Certification, you must have:

(All criteria required before taking EDUC 3003 and EDUC 3482)

- Completion of EDUC 2003 (C or better)
- Cumulative GPA of 2.75 on all coursework
- TASP/THEA Scores: Reading 260, Math 240, Writing 240 OR
  Accuplacer Scores: Reading 80, Math 65, Writing 82/6 OR
  ACT Scores: Verbal 19, Math 19, Composite 23; OR
  SAT Scores: Verbal 500, Math 500, Composite 1070
  (ACT and SAT scores cannot be more than five years old)
- Successful completion of SPCH 1013 or other course approved to meet Oral Communication competency
- Minimum of 12 to 15 semester credit hours in the subject-specific content area for the certication sought
- Participate in a pre-admission interview with assigned faculty advisor.
- Submit application for admission to the Teacher Education Program (http://www.twu.edu/teacher-education/forms.asp), including signed Commitment Contract acknowledging understanding of the professional dispositions policy and educator code of ethics.

Students must maintain the admission requirements to remain a student in the Teacher Education Program.

Minors

Minor in Education

Education Minor: 20 SCH

EDUC 2003	Schools and Society	3
EDUC 3003	Learning Theory and Development	3

EDUC 3482	Teaching Diverse Learners Through Technology Integration	2
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
EDUC 4__6	Student Teaching or Internship	6
Total Semester Credit Hours		20

Special Education Minor

Special education may be declared as a minor for the bachelor's degree with a minimum of 18 semester credit hours of special education coursework.

Bilingual Education Courses

EDBE 3003. Linguistics for ESL Educators. Essentials of English phonology, morphology, and syntax and their pedagogical implications for teaching English as a second language (ESL). Three lecture hours a week. Credit: Three hours.

EDBE 3013. Second Language Assessment and Monitoring. Formal and informal language assessment procedures commonly used with English language learners in K-12 classrooms. Three lecture hours a week. Credit: Three hours.

EDBE 3113. Bilingual Education: Instructional Applications and Materials. Subject matter centers on the teaching of limited English proficiency children with particular emphasis on language assessment techniques, curriculum design, program implementation and materials. Observation in classrooms. Prerequisite: Junior standing, knowledge of Spanish preferred. Three lecture hours a week. Credit: Three hours.

EDBE 3453. Teaching English As a Second Language. Analysis of social and linguistic factors associated with second language learners and the acquisition of the English language. Three lecture hours a week. Credit: Three hours.

EDBE 3643. Foundations of Bilingual Education. A study of the historical, legal, and theoretical foundations of bilingual education, including a review of programmatic designs. Prerequisite: Junior standing. Three lecture hours a week. Credit: Three hours.

EDBE 4453. Theories of Second Language Acquisition for ESL and Bilingual Teachers. Theories and research in bilingualism and its influence on learning and instruction, including developmental characteristics of language acquisition, relationship between bilingualism and cognition, and issues in assessment of bilingual children. Prerequisite: Junior standing. Three lecture hours a week. Credit: Three hours.

EDBE 4723. Teaching the Content Areas in the Bilingual Classroom. Analysis of Texas public school curriculum requirements as applied to a bilingual program. Language concepts and proficiencies needed to deliver effective mathematics, social skills, and sciences instruction. Primary delivery in Spanish. Prerequisites: Junior level Spanish courses or demonstrated proficiency in Spanish. Three lecture hours a week. Credit: Three hours.

EDBE 4913. Independent Study. Independent study of specificproblems in bilingual or ESL education. May be repeated. Prerequisite: Permission of instructor. Credit: Three hours.

Special Education Courses

EDSP 4203. Learners with Exceptionalities. (TCCN EDUC 2301) Overview of characteristics of exceptional learners and the history, terminology, legal issues, and service provision for students eligible for special education. Three lecture hours a week. Credit: Three hours.

EDSP 4223. Characteristics of Students with Learning and Emotional/Behavioral Disorders. Characteristics, identification, and etiology of students with learning and emotional/behavioral disorders focusing on social, emotional, cognitive, and academic development. Three lecture hours a week. Credit: Three hours.

EDSP 4243. Assessment of Students with Learning and Behavioral Difficulties. Theories, instruments, and procedures used in the assessment of students with learning and behavioral difficulties, including norm-referenced, criterion-referenced, and informal procedures. Three lecture hours a week. Credit: Three hours.

EDSP 4253. Instructional Strategies for Students with Disabilities. Instructional strategies and accommodations/modifications for curriculum in oral language, literacy, math, and social skills for students with disabilities. Includes cognitive and compensatory strategies for content area curriculum. Field work required. Three lecture and one field work hour a week. Credit: Three hours.

EDSP 4263. Behavior Management Strategies for Student with Disabilities. Behavior management strategies, behavior interventions, and social skills development for students with disabilities. Three lecture and one field work hour a week. Credit: Three hours.

EDSP 4273. Changing Role of the General and Special Educator. Current trends and issues in the field of special education, focusing on the role of general and special educator in a variety of settings and service provision models. Includes collaboration/consultation with family and service providers, transition services, inclusion, literacy, community service programs, and alternative placements. Three lecture hours a week. Credit: Three hours.

EDSP 4913. Independent Study. Independent study of specific problems in special education. May be repeated. Prerequisite: Permission of instructor. Credit: Three hours.

Education Courses

EDUC 2003. Schools and Society. (TCCN EDUC 1301) Professional roles, responsibilities, and structure of American and Texas educational systems; legal and ethical requirements of professional educators. Importance of family involvement in the educational process. Utilization of effective interaction and communication with families, school personnel, and other members of the educational community. Three lecture hours a week. Credit: Three hours.

EDUC 2703. Gender and Education. An interdisciplinary examination of the relationship between gender and education in the U.S. Explores how gender relationships are created, maintained, enacted, and transformed through educational structures, practices, and institutions. Three lecture hours a week. Credit: Three hours.

EDUC 3003. Learning Theory and Development. Overview of the major learning theories and developmental models that impact student learning; instruction that promotes meaningful, integrated, active inquiry, and participation in the learning process. Prerequisite: Admission to the Teacher Education Program. Co-requisite: EDUC 3482. Three lecture hours a week. Credit: Three hours.

EDUC 3482. Teaching Diverse Learners Through Technology Integration. Implementation of effective and appropriate approaches to integrating innovative technology in diverse EC-12 classrooms. Prerequisite: Admission to the Teacher Education program. Co-requisite: EDUC 3003. Two lecture hours a week. Credit: Two hours.

EDUC 4003. Student Teaching: Dance. Credit: Three hours.

EDUC 4006. Student Teaching: Dance. Credit: Six hours.

EDUC 4013. Student Teaching: Biology. Credit: Three hours.

EDUC 4016. Student Teaching: Biology. Credit: Six hours.

EDUC 4023. Student Teaching: Business. Credit: Three hours.

EDUC 4026. Student Teaching: Business. Credit: Six hours.

EDUC 4033. Student Teaching: Chemistry. Credit: Three hours.

EDUC 4036. Student Teaching: Chemistry. Credit: Six hours.

EDUC 4043. Student Teaching: English. Credit: Three hours.

EDUC 4046. Student Teaching: English. Credit: Six hours.

EDUC 4052. Practicum in Special Education. Credit: Two hours.

EDUC 4053. Practicum in Special Education. Credit: Three hours.

EDUC 4063. Student Teaching: General Science. Credit: Three hours.

EDUC 4066. Student Teaching: General Science. Credit: Six hours.

EDUC 4073. Student Teaching: Government. Credit: Three hours.

EDUC 4076. Student Teachnig: Governement. Credit: Six hours.

EDUC 4083. Student Teaching: Health. Credit: Three hours.

EDUC 4086. Student Teaching: Health. Credit: Six hours.

EDUC 4093. Student Teaching: History. Credit: Three hours.

EDUC 4096. Student Teaching: History. Credit: Six hours.

EDUC 4103. Student Teaching: Family and Consumer Sciences. Credit: Three hours.

EDUC 4106. Student Teaching: Family and Consumer Sciences. Credit: Six hours.

EDUC 4113. Design and Implementation of Instruction and Assessment. Design and implementation of instruction appropriate for all students; continuous and appropriate assessment; responsive instruction and effective communication techniques; instructional strategies that actively engage students in the learning process; timely, high-quality feedback. Prerequisites: EDUC 3003 and EDUC 3482, and admission to the Teacher Education Program. Co-requisite: EDUC 4243. Three lecture hours a week. Credit: Three hours.

EDUC 4116. Student Teaching: Journalism. Credit: Six hours.

EDUC 4123. Student Teaching: Mathematics. Credit: Three hours.

EDUC 4126. Student Teaching: Mathematics. Credit: Six hours.

EDUC 4146. Student Teaching: Physics. Credit: Six hours.

EDUC 4163. Student Teaching: Reading. Credit: Three hours.

EDUC 4166. Student Teaching: Reading. Credit: Six hours.

EDUC 4176. Student Teaching: Sociology. Credit: Six hours.

EDUC 4183. Student Teaching: Economics. Credit: Three hours.

EDUC 4186. Student Teaching: Economics. Credit: Six hours.

EDUC 4193. Student Teaching: Physical Science. Credit: Three hours.

EDUC 4196. Student Teaching: Physical Science. Credit: Six hours.

EDUC 4223. Student Teaching: Computer Science. Credit: Three hours.

EDUC 4226. Student Teaching: Computer Science. Credit: Six hours.

EDUC 4233. Student Teaching: Theatre Arts. Credit: Three hours.

EDUC 4236. Student Teaching: Theatre Arts. Credit: Six hours.

EDUC 4243. Classroom Environment and Management. Factors which foster a positive climate for learning, equity, and excellence: physically and emotionally safe and productive environments; effective learner-centered strategies for managing student behavior; social, legal, and ethical issues regarding the use of technology within the teaching and learning environment. Prerequisites: EDUC 3003 and EDUC 3482, and admission to Teacher Education Program. Co-requisite: EDUC 4113. Three lecture hours a week. Credit: Three hours.

EDUC 4283. Student Teaching: Life/Earth Science. Credit: Three hours.

EDUC 4286. Student Teaching: Life/Earth Science. Credit: Six hours.

EDUC 4293. Student Teaching: Kinesiology (Physical Education). Credit: Three hours.

EDUC 4303. Student Teaching: Kindergarten. Credit: Three hours.

EDUC 4306. Student Teaching: Kindergarten. Credit: Six hours.

EDUC 4313. Student Teaching: Elementary. Credit: Three hours.

EDUC 4316. Student Teaching: Elementary. Credit: Six hours.

EDUC 4323. Student Teaching: Bilingual. Credit: Three hours.

EDUC 4326. Student Teaching: Bilingual. Credit: Six hours.

EDUC 4333. Student Teaching: English as a Second Language. Credit: Three hours.

EDUC 4336. Student Teaching: English as a Second Language. Credit: Six hours.

EDUC 4343. Student Teaching: Life Science 8-12. Credit: Three hours.

EDUC 4346. Student Teaching: Life Science 8-12. Credit: Six hours.

EDUC 4356. Student Teaching: English/Language Arts. Credit: Six hours.

EDUC 4363. Student Teaching: Social Studies. Credit: Three hours.

EDUC 4366. Student Teaching: Social Studies. Credit: Six hours.

EDUC 4373. Student Teaching: Secondary Special Education. Credit: Three hours.

EDUC 4376. Student Teaching: Secondary Special Education. Credit: Six hours.

EDUC 4703. Student Teaching: Hearing Impaired. Credit: Three hours.

EDUC 4706. Student Teaching: Hearing Impaired. Credit: Six hours.

EDUC 4713. Student Teaching: EC-6 Grade 4. Student teaching or internship. Credit: Three hours.

EDUC 4716. Student Teaching: EC-6 Grade 4. Student teaching or internship. Credit: Six hours.

EDUC 4743. Student Teaching: Generic Special Education. Credit: Three hours.

EDUC 4746. Student Teaching: Generic Special Education. Credit: Six hours.

EDUC 4753. Student Teaching: Grades 4-8. Credit: Three hours.

EDUC 4756. Student Teaching: Grades 4-8. Credit: Six hours.

EDUC 4763. Student Teaching: Grades 4-8 English, Language Arts, and Reading. Credit: Three hours.

EDUC 4766. Student Teaching: Grades 4-8 English, Language Arts, and Reading. Credit: Six hours.

EDUC 4773. Student Teaching: Grades 4-8 Social Studies. Credit: Three hours.

EDUC 4776. Student Teaching: Grades 4-8 Social Studies. Credit: Six hours.

EDUC 4783. Student Teaching: Grades 4-8 Mathematics. Credit: Three hours.

EDUC 4786. Student Teaching: Grades 4-8 Mathematics. Credit: Six hours.

EDUC 4793. Student Teaching: Grades 4-8 Science. Credit: Three hours.

EDUC 4796. Student Teaching: Grades 4-8 Science. Credit: Six hours.

EDUC 4813. Student Teaching: All-Level Art. Credit: Three hours.

EDUC 4816. Student Teaching: All-Level Art. Credit: Six hours.

EDUC 4823. Student Teaching: All-Level Music. Credit: Three hours.

EDUC 4826. Student Teaching: All-Level Music. Credit: Six hours.

EDUC 4833. Student Teaching: All-Level Kinesiology. Credit: Three hours.

EDUC 4836. Student Teaching: All-Level Kinesiology. Credit: Six hours.

EDUC 4913. Independent Study. Independent study of specific problems. Prerequisite: Permission of instructor. May be repeated for up to 12 hours of credit. Credit: Three hours.

EDUC 4923. Internship in Teaching. Credit: Three hours.

EDUC 4926. Internship in Teaching. Credit: Six hours.

EDUC 4936. Practicum in Teaching. Credit: Six hours.

Faculty

Professors

ANDERSON, GINA B., Professor of Teacher Education; Interim Associate Dean of the College of Professional Education. B.S., University of Oklahoma; M.S., Oklahoma State University; Ed.D., Oklahoma State University.

COWART, MELINDA F., Professor of Teacher Education. B.S., University of Texas at Austin; M.Ed., Texas A&M-Commerce; Ed.D., Texas A&M-Commerce .

FEYTEN, CARINE M., Chancellor and President; Professor of Teacher Education. B.A., Universite' Catholique de Louvain, Belgium; M.A., Universite' Catholique de Louvain, Belgium; Ph.D., University of South Florida.

HANSEN-THOMAS, HOLLY, Professor of Teacher Education. B.A., University of Texas at Austin; M.A., University of Texas at San Antonio; Ph.D., University of Texas at San Antonio.

PEMBERTON, JANE B., Professor of Teacher Education; Chair of the Department of Teacher Education. B.S., Kansas State University; M.S., Kansas State University; Ph.D., University of New Mexico.

SANCHEZ, CLAUDIA D., Professor of Teacher Education. B.A., Escuela Normal Superior de Coahuila : Saltillo, Mexico; B.A., Universidad Autonoma de Coahuila : Saltillo, Mexico; M.S., Texas A&M University; Ph.D., Texas A&M University.

WHITWORTH, JERRY E., Professor of Teacher Education; Interim Dean of the College of Professional Education. B.A., University of Kansas; M.S., Fort Hays State University; Ed.D., University of Missouri, Columbia.

Associate Professors

DUNLAP, KAREN L., Associate Professor of Teacher Education. B.S.Ed., Stephen F. Austin State University; M.Ed., Stephen F. Austin State University; Ed.D., University of Texas, El Paso.

FREDRICKSON, REBECCA R., Associate Professor of Teacher Education. B.F.A, Stephen F. Austin State University; M.Ed., University of Texas at Tyler; Ed.D., Stephen F. Austin State University.

LERNER, BARBARA A., Associate Professor of Teacher Education; Associate Provost for Undergraduate Studies and Academic Partnerships. B.A., George Washington University; M.A., George Washington University; Ph.D, Texas Woman's University.

MALONE, PEGGY N., Associate Professor of Teacher Education. B.S., Texas A&M University-Commerce; M.Ed., Texas A&M University-Commerce; Ed.D., Baylor University.

McMAHAN, SARAH K., Associate Professor of Teacher Education. B.S., Abilene Christian University; M.Ed., Abilene Christian University; Ph.D., Texas Tech University.

MYERS, DIANE M., Associate Professor of Teacher Education. B.A., Connecticut College; M.S., Southern Connecticut State University; Ph.D., University of Connecticut.

SOURDOT, LUDOVIC, Associate Professor of Teacher Education. B.S., Arkansas State University; M.Ed., Texas State University; Ph.D., Texas A&M University .

STARRETT, TERESA M., Associate Professor of Teacher Education. B.S., University of North Texas; M.Ed., University of North Texas; Ed.D., University of North Texas.

TRUJILLO-JENKS, LAURA A., Associate Professor of Teacher Education. B.S., University of Texas at Austin; M.A., Austin Peay State University; Ph.D., University of Texas at Austin.

Assistant Professors

GOO, MINKOWAN, Assistant Professor of Teacher Education. B.A., Daegu University; M.A., Daegu University; Ph.D., University of Iowa.

KRUTKA, DANIEL G., Assistant Professor of Teacher Education. B.S., University of Oklahoma; M.Ed., University of Oklahoma; Ph.D., University of Oklahoma.

STEWART, MARY A., Assistant Professor of Teacher Education. B.A., Texas Christian University; M.Ed., Texas Christian University; Ph.D., University of North Texas.

Bachelor of Science in Interdisciplinary Studies (EC-6 Core Subjects with Bilingual)

Total Semester Credit Hours Required

126 semester credit hours.

Major

63 semester credit hours.

Minor

20 semester credit hours.

Bachelor of Science in Interdisciplinary Studies (EC-6 Core Subjects with Bilingual) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1023	Introduction to Mathematics	MATH 1333	3
SCI 1114	Sustainable Physical Science	PHYS 1415	4
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness CAO Core			2
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
FS 2513	Early Childhood Development	TECA 1354	3
GOV 2013	U.S. National Government	GOVT 2305	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
SCI 1123	General Life Science		3
Creative Arts Core			3
	Semester Credit Hours		18

Second Year

Fall		TCCN	
GOV 2023	Texas Government	GOVT 2306	3
MATH 1523	Mathematics Concepts I		3
MU 3632	Essentials of Music		2
SCI 2113	Earth Science I	GEOL 1301, GEOL 1401	3
Language, Philosophy, and Culture Core			3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		17
Spring		**TCCN**	
EDBE 4453	Theories of Second Language Acquisition for ESL and Bilingual Teachers		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
EDUC 2003	Schools and Society	EDUC 1301	3
FS 3663	Foundations of Early Childhood Education	TECA 1311	3
MATH 1533	Mathematics Concepts II	MATH 1350	3
Social/Behavioral Science Core			3
	Semester Credit Hours		18

Third Year

Fall		TCCN	
CSCI 3002	Advanced Computing Technology		2
HIST 3223	Social Studies		3
KINS 3583	Health and Physical Activity for Children and Adolescents		3
LS 3013	Library Materials for Children		3
MATH 1543	Mathematics Concepts III	MATH 1351	3
READ 3433	Literacy Foundations EC-6		3
	Semester Credit Hours		17

Spring		TCCN	
EDBE 3453	Teaching English As a Second Language		3
EDBE 3643	Foundations of Bilingual Education		3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
READ 4383	Phonological and Orthographic Principles in Reading		3
READ 4453	Literacy Assessment and Instruction: EC6		3
	Semester Credit Hours		17

Fourth Year

Fall		TCCN	
ART 3032	Essentials of Children's Art		2
BIOL 4583	Science in the Elementary Classroom		3
EDBE 3113	Bilingual Education: Instructional Applications and Materials		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
READ 4493	Reading and Language Arts across the Curriculum: EC-6		3
	Semester Credit Hours		17

Spring		TCCN	
EDUC 4__6 Student Teaching			6
	Semester Credit Hours		6
	Total Semester Credit Hours:		126

Bachelor of Science in Interdisciplinary Studies (EC-6 Core Subjects with ESL)

Total Semester Credit Hours Required

126 semester credit hours.

Major

63 semester credit hours.

Minor

20 semester credit hours.

Bachelor of Science in Interdisciplinary Studies (EC-6 Core Subjects with ESL) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1023	Introduction to Mathematics	MATH 1333	3
SCI 1114	Sustainable Physical Science	PHYS 1415	4
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness CAO Core			2
	Semester Credit Hours		16

Spring		TCCN	
ENG 1023	Composition II	ENGL 1302	3
FS 2513	Early Childhood Development	TECA 1354	3
GOV 2013	U.S. National Government	GOVT 2305	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
SCI 1123	General Life Science		3

Creative Arts Core			3
	Semester Credit Hours		18
Second Year			
Fall		**TCCN**	
FS 3663	Foundations of Early Childhood Education	TECA 1311	3
GOV 2023	Texas Government	GOVT 2306	3
MATH 1523	Mathematics Concepts I		3
SCI 2113	Earth Science I	GEOL 1301, GEOL 1401	3
Language, Philosophy, and Culture Core			3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		18
Spring		**TCCN**	
EDBE 3453	Teaching English As a Second Language		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
EDUC 2003	Schools and Society	EDUC 1301	3
MATH 1533	Mathematics Concepts II	MATH 1350	3
MU 3632	Essentials of Music		2
Social/Behavioral Science Core			3
	Semester Credit Hours		17
Third Year			
Fall		**TCCN**	
CSCI 3002	Advanced Computing Technology		2
EDBE 4453	Theories of Second Language Acquisition for ESL and Bilingual Teachers		3
HIST 3223	Social Studies		3
KINS 3583	Health and Physical Activity for Children and Adolescents		3
MATH 1543	Mathematics Concepts III	MATH 1351	3
READ 3433	Literacy Foundations EC-6		3
	Semester Credit Hours		17
Spring		**TCCN**	
ART 3032	Essentials of Children's Art		2
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
LS 3013	Library Materials for Children		3
READ 4383	Phonological and Orthographic Principles in Reading		3
READ 4453	Literacy Assessment and Instruction: EC6		3
	Semester Credit Hours		16
Fourth Year			
Fall		**TCCN**	
BIOL 4583	Science in the Elementary Classroom		3
EDBE 3003	Linguistics for ESL Educators		3
EDBE 3013	Second Language Assessment and Monitoring		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
READ 4493	Reading and Language Arts across the Curriculum: EC-6		3
	Semester Credit Hours		18

Spring		TCCN	
EDUC 4__6 Student Teaching			6
	Semester Credit Hours		6
	Total Semester Credit Hours:		126

Bachelor of Science in Interdisciplinary Studies (EC-6 Core Subjects)

Total Semester Credit Hours Required

123 semester credit hours.

Major

60 semester credit hours.

Minor

20 semester credit hours.

Bachelor of Science in Interdisciplinary Studies (EC-6 Core Subjects) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
ENG 1013	Composition I	ENGL 1301	3
FS 2513	Early Childhood Development	TECA 1354	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1023	Introduction to Mathematics	MATH 1333	3
SCI 1123	General Life Science		3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
FS 3663	Foundations of Early Childhood Education	TECA 1311	3
GOV 2013	U.S. National Government	GOVT 2305	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
SCI 1114	Sustainable Physical Science	PHYS 1415	4
Wellness CAO Core			2
	Semester Credit Hours		18

Second Year

Fall		TCCN	
GOV 2023	Texas Government	GOVT 2306	3
MATH 1523	Mathematics Concepts I		3
SCI 2113	Earth Science I	GEOL 1301, GEOL 1401	3
Creative Arts Core			3
Language, Philosophy, and Culture Core			3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		18
Spring		**TCCN**	
EDBE 3003	Linguistics for ESL Educators		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
EDUC 2003	Schools and Society	EDUC 1301	3
MATH 1533	Mathematics Concepts II	MATH 1350	3
MU 3632	Essentials of Music		2
Social/Behavioral Science Core			3
	Semester Credit Hours		17

Third Year

Fall		TCCN	
CSCI 3002	Advanced Computing Technology		2
EDBE 3453	Teaching English As a Second Language		3
HIST 3223	Social Studies		3
KINS 3583	Health and Physical Activity for Children and Adolescents		3
MATH 1543	Mathematics Concepts III	MATH 1351	3
READ 3433	Literacy Foundations EC-6		3
	Semester Credit Hours		17

Spring		TCCN	
ART 3032	Essentials of Children's Art		2
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
LS 3013	Library Materials for Children		3
READ 4383	Phonological and Orthographic Principles in Reading		3
READ 4453	Literacy Assessment and Instruction: EC6		3
	Semester Credit Hours		16

Fourth Year

Fall		TCCN	
BIOL 4583	Science in the Elementary Classroom		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
FS 2003	Diversity in Contemporary Families: A Global Perspective		3
READ 4493	Reading and Language Arts across the Curriculum: EC-6		3
	Semester Credit Hours		15

Spring		TCCN	
EDUC 4__6 Student Teaching			6
	Semester Credit Hours		6
	Total Semester Credit Hours:		123

Bachelor of Science in Interdisciplinary Studies (EC-6 Core Subjects with Special Education)

Total Semester Credit Hours Required

135 semester credit hours.

Major

72 semester credit hours.

Minor

20 semester credit hours.

Bachelor of Science in Interdisciplinary Studies (EC-6 Core Subjects with Special Education) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
ENG 1013	Composition I	ENGL 1301	3
GOV 2013	U.S. National Government	GOVT 2305	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1023	Introduction to Mathematics	MATH 1333	3
SCI 1114	Sustainable Physical Science	PHYS 1415	4
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		17

Spring		TCCN	
ENG 1023	Composition II	ENGL 1302	3
FS 2513	Early Childhood Development	TECA 1354	3
GOV 2023	Texas Government	GOVT 2306	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
SCI 1123	General Life Science		3
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		18

Second Year

Fall		TCCN	
MATH 1523	Mathematics Concepts I		3
SCI 2113	Earth Science I	GEOL 1301, GEOL 1401	3
Creative Arts Core			3
Language, Philosophy, and Culture Core			3
Social/Behavioral Science Core			3
Wellness CAO Core			2
	Semester Credit Hours		17

Spring		TCCN	
CSCI 3002	Advanced Computing Technology		2
EDBE 3003	Linguistics for ESL Educators		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
EDUC 2003	Schools and Society	EDUC 1301	3
LS 3013	Library Materials for Children		3
MATH 1533	Mathematics Concepts II	MATH 1350	3
MU 3632	Essentials of Music		2
	Semester Credit Hours		19

Third Year

Fall		TCCN	
ART 3032	Essentials of Children's Art		2
EDBE 3453	Teaching English As a Second Language		3
EDSP 4253	Instructional Strategies for Students with Disabilities		3
HIST 3223	Social Studies		3
KINS 3583	Health and Physical Activity for Children and Adolescents		3
MATH 1543	Mathematics Concepts III	MATH 1351	3
READ 3433	Literacy Foundations EC-6		3
	Semester Credit Hours		20

Spring		TCCN	
EDSP 4223	Characteristics of Students with Learning and Emotional/ Behavioral Disorders		3
EDSP 4243	Assessment of Students with Learning and Behavioral Difficulties		3
EDSP 4273	Changing Role of the General and Special Educator		3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
READ 4383	Phonological and Orthographic Principles in Reading		3
READ 4453	Literacy Assessment and Instruction: EC6		3
	Semester Credit Hours		20

Fourth Year

Fall		TCCN	
BIOL 4583	Science in the Elementary Classroom		3
EDSP 4263	Behavior Management Strategies for Student with Disabilities		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
FS 3663	Foundations of Early Childhood Education	TECA 1311	3

READ 4493	Reading and Language Arts across the Curriculum: EC-6		3
	Semester Credit Hours		18
Spring		**TCCN**	
EDUC 4__6	Student Teaching		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		135

Bachelor of Science in Interdisciplinary Studies (4-8 Core Subjects with Bilingual)

Total Semester Credit Hours Required

125 semester credit hours.

Major

62 semester credit hours.

Minor

20 semester credit hours.

Bachelor of Science in Interdisciplinary Studies (4-8 Core Subjects with Bilingual) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
GOV 2013	U.S. National Government	GOVT 2305	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
SCI 1114	Sustainable Physical Science	PHYS 1415	4
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		17
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
MATH 1303	Elementary Analysis I	MATH 1314, MATH 1414	3
SCI 1123	General Life Science		3
Creative Arts Core			3
Wellness CAO Core			2
	Semester Credit Hours		17

Second Year

Fall		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
HIST 3713	The History of Texas	HIST 2301	3
MATH 1533	Mathematics Concepts II	MATH 1350	3
SCI 2113	Earth Science I	GEOL 1301, GEOL 1401	3
Social/Behavioral Science Core			3
Language, Philosophy, and Culture Core			3
	Semester Credit Hours		18
Spring		**TCCN**	
EDBE 4453	Theories of Second Language Acquisition for ESL and Bilingual Teachers		3
ENG 3363	Introduction to Linguistics		3
FS 3513	Childhood and Adolescence		3
MATH 1543	Mathematics Concepts III	MATH 1351	3
SOCI 3273	World Regional Geography	GEOG 1303	3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
BIOL 4583	Science in the Elementary Classroom		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
EDUC 2003	Schools and Society	EDUC 1301	3

ENG 3203	Advanced Grammar and Composition	3
LS 3013	Library Materials for Children	3
READ 3423	Literacy Foundations: 4-8	3
	Semester Credit Hours	18

Spring	**TCCN**	
EDBE 3113	Bilingual Education: Instructional Applications and Materials	3
EDBE 3643	Foundations of Bilingual Education	3
EDUC 3003	Learning Theory and Development	3
EDUC 3482	Teaching Diverse Learners Through Technology Integration	2
MATH 4003	Mathematical Concepts in the Educational Setting	3
READ 4563	Reading Assessment and Instruction: Grades 4-8	3
	Semester Credit Hours	17

Fourth Year

Fall	**TCCN**	
CSCI 3002	Advanced Computing Technology	2
EDBE 3453	Teaching English As a Second Language	3
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
READ 3463	Strategic Learning through Text Strategies	3
READ 4413	Integrated Language Arts for Grades 4-8	3
	Semester Credit Hours	17

Spring	**TCCN**	
EDUC 4__6 Student Teaching		6
	Semester Credit Hours	6
	Total Semester Credit Hours:	125

Bachelor of Science in Interdisciplinary Studies (4-8 English, Language Arts and Reading)

Total Semester Credit Hours Required

122 semester credit hours.

Major

59 semester credit hours.

Minor

20 semester credit hours.

Bachelor of Science in Interdisciplinary Studies (4-8 English, Language Arts & Reading) Program of Study

First Year

Fall		**TCCN**	**Semester Credit Hours**
ENG 1013	Composition I	ENGL 1301	3
GOV 2013	U.S. National Government	GOVT 2305	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
SCI 1114	Sustainable Physical Science	PHYS 1415	4
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		17

Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3

HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
MATH 1303	Elementary Analysis I	MATH 1314, MATH 1414	3
SCI 1123	General Life Science		3
Creative Arts Core			3
Wellness CAO Core			2
	Semester Credit Hours		17

Second Year

Fall		**TCCN**	
GOV 2023	Texas Government	GOVT 2306	3
HIST 3713	The History of Texas	HIST 2301	3
MATH 1533	Mathematics Concepts II	MATH 1350	3
SCI 2113	Earth Science I	GEOL 1301, GEOL 1401	3
Language, Philosophy, and Culture Core			3
Social/Behavioral Science Core			3
	Semester Credit Hours		18

Spring		**TCCN**	
EDUC 2003	Schools and Society	EDUC 1301	3
ENG 3363	Introduction to Linguistics		3
FS 3513	Childhood and Adolescence		3
MATH 1543	Mathematics Concepts III	MATH 1351	3
SOCI 3273	World Regional Geography	GEOG 1303	3
	Semester Credit Hours		15

Third Year

Fall		**TCCN**	
CSCI 3002	Advanced Computing Technology		2
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
ENG 3033	Introduction to the Study of World Literature		3
ENG 3203	Advanced Grammar and Composition		3
LS 3013	Library Materials for Children		3
READ 3423	Literacy Foundations: 4-8		3
	Semester Credit Hours		17

Spring		**TCCN**	
BIOL 4583	Science in the Elementary Classroom		3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
ENG 3293	Survey of American Literature: Realism to the Present		3
READ 4383	Phonological and Orthographic Principles in Reading		3
READ 4563	Reading Assessment and Instruction: Grades 4-8		3
	Semester Credit Hours		17

Fourth Year

Fall		**TCCN**	
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
ENG 3023	Representative Works of British Literature from 1760 to Present		3
READ 3463	Strategic Learning through Text Strategies		3
READ 4413	Integrated Language Arts for Grades 4-8		3
	Semester Credit Hours		15

Spring		TCCN	
EDUC 4__6 Student Teaching			6
	Semester Credit Hours		6
	Total Semester Credit Hours:		122

Bachelor of Science in Interdisciplinary Studies (4-8 Core Subjects with ESL)

Total Semester Credit Hours Required

125 semester credit hours.

Major

62 semester credit hours.

Minor

20 semester credit hours.

Bachelor of Science in Interdisciplinary Studies (4-8 Core Subjects with ESL) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
ENG 1013	Composition I	ENGL 1301	3
GOV 2013	U.S. National Government	GOVT 2305	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
SCI 1114	Sustainable Physical Science	PHYS 1415	4
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		17
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
MATH 1303	Elementary Analysis I	MATH 1314, MATH 1414	3
SCI 1123	General Life Science		3
Creative Arts Core			3
Wellness CAO Core			2
	Semester Credit Hours		17

Second Year

Fall		TCCN	
GOV 2023	Texas Government	GOVT 2306	3
HIST 3713	The History of Texas	HIST 2301	3
MATH 1533	Mathematics Concepts II	MATH 1350	3
SCI 2113	Earth Science I	GEOL 1301, GEOL 1401	3
Language, Philosophy, and Culture Core			3
Social/Behavioral Science			3
	Semester Credit Hours		18
Spring		**TCCN**	
EDBE 4453	Theories of Second Language Acquisition for ESL and Bilingual Teachers		3
ENG 3363	Introduction to Linguistics		3
FS 3513	Childhood and Adolescence		3
MATH 1543	Mathematics Concepts III	MATH 1351	3
SOCI 3273	World Regional Geography	GEOG 1303	3
	Semester Credit Hours		15

Third Year

Fall		TCCN	
BIOL 4583	Science in the Elementary Classroom		3
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
EDUC 2003	Schools and Society	EDUC 1301	3
ENG 3203	Advanced Grammar and Composition		3
LS 3013	Library Materials for Children		3
READ 3423	Literacy Foundations: 4-8		3
	Semester Credit Hours		18

Spring		TCCN	
EDBE 3003	Linguistics for ESL Educators		3
EDBE 3013	Second Language Assessment and Monitoring		3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
MATH 4003	Mathematical Concepts in the Educational Setting		3
READ 4563	Reading Assessment and Instruction: Grades 4-8		3
	Semester Credit Hours		17

Fourth Year

Fall		TCCN	
CSCI 3002	Advanced Computing Technology		2
EDBE 3453	Teaching English As a Second Language		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
READ 3463	Strategic Learning through Text Strategies		3
READ 4413	Integrated Language Arts for Grades 4-8		3
	Semester Credit Hours		17

Spring		TCCN	
EDUC 4__6	Student Teaching		6
	Semester Credit Hours		6
	Total Semester Credit Hours:		125

Bachelor of Science in Interdisciplinary Studies (4-8 Core Subjects)

Total Semester Credit Hours Required

126 semester credit hours.

Major

59 semester credit hours.

Minor

20 semester credit hours.

Bachelor of Science in Interdisciplinary Studies (4-8 Core Subjects) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
BIOL 1013	Human Biology		3
ENG 1013	Composition I	ENGL 1301	3
GOV 2013	U.S. National Government	GOVT 2305	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
Multicultural Women's Studies CAO Core			3
	Semester Credit Hours		16

Spring		TCCN	
CHEM 1013 & CHEM 1011	Introductory Chemistry and Introductory Chemistry Laboratory	(CHEM 1305, CHEM 1405) and (CHEM 1105)	4
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
MATH 1303	Elementary Analysis I	MATH 1314, MATH 1414	3
Creative Arts Core			3
	Semester Credit Hours		16

Second Year

Fall		TCCN	
GOV 2023	Texas Government	GOVT 2306	3

MATH 1533	Mathematics Concepts II	MATH 1350	3
SCI 2113	Earth Science I	GEOL 1301, GEOL 1401	3
Language, Philosophy, and Culture Core			3
Social/Behavioral Science Core			3
Wellness CAO Core			2
	Semester Credit Hours		17
Spring		**TCCN**	
ENG 3363	Introduction to Linguistics		3
FS 3513	Childhood and Adolescence		3
MATH 1543	Mathematics Concepts III	MATH 1351	3
PHYS 1133 & PHYS 1131	Principles of Physics I and Principles of Physics Laboratory I	(PHYS 1301, PHYS 1401) and (PHYS 1101)	4
SOCI 3273	World Regional Geography	GEOG 1303	3
	Semester Credit Hours		16
Third Year			
Fall		**TCCN**	
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
EDUC 2003	Schools and Society	EDUC 1301	3
ENG 3203	Advanced Grammar and Composition		3
HIST 3713	The History of Texas	HIST 2301	3
LS 3013	Library Materials for Children		3
READ 3423	Literacy Foundations: 4-8		3
	Semester Credit Hours		18
Spring		**TCCN**	
EDBE 3453	Teaching English As a Second Language		3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
MATH 4003	Mathematical Concepts in the Educational Setting		3
MATH 4203	Problem Solving in the Mathematics Classroom		3
READ 4563	Reading Assessment and Instruction: Grades 4-8		3
SOCI 3273	World Regional Geography	GEOG 1303	3
	Semester Credit Hours		20
Fourth Year			
Fall		**TCCN**	
CSCI 3002	Advanced Computing Technology		2
EDBE 3003	Linguistics for ESL Educators		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
READ 3463	Strategic Learning through Text Strategies		3
READ 4413	Integrated Language Arts for Grades 4-8		3
	Semester Credit Hours		17
Spring		**TCCN**	
EDUC 4__6 Student Teaching			6
	Semester Credit Hours		6
	Total Semester Credit Hours:		126

Bachelor of Science in Interdisciplinary Studies (4-8 Core Subjects with Special Education)

Total Semester Credit Hours Required

131 semester credit hours.

Major

68 semester credit hours.

Minor

20 semester credit hours.

Bachelor of Science in Interdisciplinary Studies (4-8 Core Subjects with Special Education) Program of Study

First Year

Fall		TCCN	Semester Credit Hours
ENG 1013	Composition I	ENGL 1301	3
GOV 2013	U.S. National Government	GOVT 2305	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
MATH 1303	Elementary Analysis I	MATH 1314, MATH 1414	3
SCI 1123	General Life Science		3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
	Semester Credit Hours		16
Spring		**TCCN**	
ENG 1023	Composition II	ENGL 1302	3
GOV 2023	Texas Government	GOVT 2306	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
SCI 1114	Sustainable Physical Science	PHYS 1415	4
Multicultural Women's Studies CAO Core			3
Wellness CAO Core			2
	Semester Credit Hours		18

Second Year

Fall		TCCN	
HIST 3713	The History of Texas	HIST 2301	3
MATH 1533	Mathematics Concepts II	MATH 1350	3
SCI 2113	Earth Science I	GEOL 1301, GEOL 1401	3
Creative Arts Core			3
Language, Philosophy, and Culture Core			3
Social/Behavioral Science Core			3
	Semester Credit Hours		18
Spring		**TCCN**	
EDSP 4203	Learners with Exceptionalities	EDUC 2301	3
EDUC 2003	Schools and Society	EDUC 1301	3
ENG 3363	Introduction to Linguistics		3
FS 3513	Childhood and Adolescence		3
LS 3013	Library Materials for Children		3
MATH 1543	Mathematics Concepts III	MATH 1351	3
MATH 4003	Mathematical Concepts in the Educational Setting		3
	Semester Credit Hours		21

Third Year

Fall		TCCN	
BIOL 4583	Science in the Elementary Classroom		3
CSCI 3002	Advanced Computing Technology		2
EDBE 3453	Teaching English As a Second Language		3
ENG 3203	Advanced Grammar and Composition		3
READ 3423	Literacy Foundations: 4-8		3
SOCI 3273	World Regional Geography	GEOG 1303	3
	Semester Credit Hours		17
Spring		**TCCN**	
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2

EDSP 4223	Characteristics of Students with Learning and Emotional/ Behavioral Disorders	3
EDSP 4243	Assessment of Students with Learning and Behavioral Difficulties	3
EDSP 4273	Changing Role of the General and Special Educator	3
READ 4563	Reading Assessment and Instruction: Grades 4-8	3
	Semester Credit Hours	17

Fourth Year

Fall		**TCCN**
EDSP 4253	Instructional Strategies for Students with Disabilities	3
EDSP 4263	Behavior Management Strategies for Student with Disabilities	3
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
READ 3463	Strategic Learning through Text Strategies	3
READ 4413	Integrated Language Arts for Grades 4-8	3
	Semester Credit Hours	18

Spring		**TCCN**
EDUC 4__6	Student Teaching	6
	Semester Credit Hours	6
	Total Semester Credit Hours:	131

School of Library and Information Studies

Director: Ling H. Jeng, Professor

Location: SH 404
Telephone: 940-898-2602
E-mail: slis@twu.edu

The School of Library and Information Studies (http://www.twu.edu/slis) administers the degree programs in Library Science. The School of Library and Information Studies offers complete programs leading to the degrees of Master of Arts and Master of Library Science. The School Librarian Certificate prepares students for librarian certification in public schools in Texas. The Master of Library Science is the first professional degree. The Master of Library Science degree requires 36 semester credit hours. The School prepares students for placement in a variety of types of information centers and libraries. It is the oldest continuously accredited master's program in the Southwest by the American Library Association (http://www.ala.org).

Students will find exceptional opportunities for developing skills in their chosen field through classroom work, through experience on department-sponsored media, and through internships.

The School offers undergraduate courses in support of other programs but does not offer a bachelor's degree in Library Science.

Library Science Undergraduate Courses

LS 3013	Library Materials for Children	3
LS 3053	Interdisciplinary Information Retrieval	3
LS 3153	Knowledge Economy	3
LS 4923	Capstone in Interprofessional Informatics	3

Graduate Courses

For graduate courses in Library and Information Studies, see the Graduate Catalog (http://catalog.twu.edu/graduate/professional-education/library-information-studies).

Courses

LS 3013. Library Materials for Children. Selection, evaluation, and use of recreational and informational materials for children reflecting our multicultural society. Knowledge gained through reading, listening to, viewing, researching, and integrating various types of media into K-12 curriculum. Three lecture hours a week. Credit: Three hours.

LS 3053. Interdisciplinary Information Retrieval. Navigation, access, and use of databases and electronic resources for information retrieval relevant to information needs. Critical evaluation of information based on relevance and quality. Three lecture hours a week. Credit: Three hours.

LS 3153. Knowledge Economy. Overview of knowledge work and related employment trends in today's economy with emphasis on skills and tools needed to synthesize information into useful and actionable knowledge. The role of information service industry in citizen participation in the knowledge economy. Three lecture hours a week. Credit: Three hours.

LS 4923. Capstone in Interprofessional Informatics. Culminating organization and/or community-based interdisciplinary/interprofessional project supported through informatics and technology and applied to a specific domain to demonstrate knowledge and skills acquired in the informatics or health informatics program. Prerequisite: Taken after completion of all but the last 24 hours (SCHs) of the program. Three seminar hours a week. Credit: Three hours.

Faculty

Professors

JENG, LING HWEY, Professor of Library and Information Studies; Director of the School of Library and Information Studies. B.A., National Taiwan University; M.L.I.S., University of Texas at Austin; Ph.D., University of Texas at Austin.

VARDELL, SYLVIA M., Professor of Library and Information Studies. B.S., University of Texas : Austin; Ph.D., University of Minnesota : Twin Cities.

Associate Professors

AKIN, LYNN K., Associate Professor of Library and Information Studies. B.A., Trenton State College; M.L.S., Texas Woman's University; Ph.D., Texas Woman's University.

HOFFMAN, GRETCHEN L., Associate Professor of Library and Information Studies. B.A., University of Nevada, Reno; M.L.S., Emporia State University; Ph.D., Emporia State University.

LEE, HYUK-JIN, Associate Professor of Library and Information Studies. B.A., Yonsei University; M.S., University of Michigan, Ann Arbor; Ph.D., Rutgers University.

Assistant Professors

CURRY, EVELYN L., Assistant Professor of Library and Information Studies. B.A., Prairie View A&M University; M.A., University of Wisconsin, Madison; Ph.D., University of Illinois, Urbana-Champaign.

ELKINS, AARON, Assistant Professor of Library and Information Studies. B.S., University of South Florida; M.A., University of South Florida; Ph.D., Florida State University.

MASTEN-CAIN, KATHRYN, Assistant Professor of Library and Information Studies. B.A., Beloit College; M.P.A., Arizona State University; Ph.D. University of North Texas.

McELRATH, EILEEN T., Assistant Professor of Library and Information Studies. B.A., Murray State University; M.S.L.S., Murray State University; M.A., University of Kentucky; Ph.D., Florida State University.

PERRYMAN, CAROL L., Assistant Professor of Library and Information Studies. B.S., Friends University; M.S., University of Illinois, Urbana-Champaign; Ph.D., University of North Carolina, Chapel Hill.

RICHEY, JENNIFER E., Assistant Professor of Library and Information Studies. B.A., University of Texas at Austin; M.S.I.S., University of Texas at Austin; Ph.D., University of Texas at Austin.

Teacher Education in the Disciplines

http://www.twu.edu/cope

Coordination: *Dean of Professional Education and Professional Education Council*
Location: *Stoddard 202*
Telephone: *940-898-2202*
Fax: *940-898-2209*
Advising: *Professional Education Student Support Services, Stoddard Hall 211*

Teaching certificates in the disciplines require an undergraduate degree and completion of required courses in teacher education. Students may earn the teaching certificate in two ways:

1. while earning the bachelor's degree by completing a major in an approved certification area and a minor in education, or
2. by earning teaching certification as post-baccalaureate students after completing a degree.

Students preparing to teach elementary school, middle school English Language Arts and Reading or middle school core subjects must major in Interdisciplinary Studies and minor in Education. Students seeking an all-level certificate must select a major in the specialization area and minor in Education. Academic advising is available to all students from both the academic departments and the College of Professional Education.

Teaching Certificate Plans for the Majors

Requirements for majors with teaching certificates vary among academic departments and according to the grades to be taught. Plans for grades 6-12 or 7-12 are considered secondary education. Students should complete the requirements for the university core curriculum and the major department's plan for teacher certification. In some areas, certificates are provided which permit the student to teach a single subject in all levels or grades of the public schools (EC-12 plans).

Teaching Certifications Available in the Disciplines

Major Discipline	Teacher Certification Programs
Arts	EC-12 Art
	8-12 Dance
	EC-12 Music
	EC-12 Theater Arts (Drama)
Biology	4-8 Science
	7-12 Science - Biology
	7-12 Life Science
Communication Sciences	EC-12 Education of the Deaf and Hard of Hearing
Chemistry	7-12 Science - Chemistry
	6-12 Physical Science
Computer Science	8-12 Computer Science
English	7-12 English Language Arts and Reading
Family & Consumer Sciences	6-12 Family and Consumer Sciences - Composite
	8-12 Human Development and Family Studies
	8-12 Hospitality, Nutrition and Food Sciences
Health Studies	EC-12 Health Education
History and Government	4-8 Social Studies
	7-12 Social Studies
	7-12 History
Kinesiology	EC-12 Physical Education
Language Arts	4-8 English Language Arts and Reading
Mathematics	4-8 Mathematics
	7-12 Mathematics
Sciences	4-8 Science
	7-12 Science

Student Teaching Eligibility Requirements

1. Admission to the Teacher Education Program;
2. A minimum 2.75 overall grade point average;
3. Satisfactory completion (as defined by the major department) of all course work leading to degree and certification requirements except student teaching.

Application for Teaching Certificate (Online)

Once they have completed their program, students will apply online for teaching certificates on the Texas Education Agency (http://tea.texas.gov) website.

Specific rules affect teacher certification procedures and institutional recommendation.

These include:

1. No student may be admitted to or recommended for an initial certificate or supplemental program based on expired state standards.
2. To be approved for any certificate, candidates shall be required to achieve a satisfactory level of performance on one or more examinations prescribed by the State Board for Educator Certification (http://tea.texas.gov/About_TEA/Leadership/State_Board_for_Educator_Certification).
3. Effective September 1, 1982, the State Board of Education rule gives the Commissioner of Education the authority to suspend or revoke a teaching certificate, or refuse to issue a teaching certificate for a person who has been convicted of a felony or misdemeanor for a crime directly related to the duties and responsibilities of the teaching profession. All applicants for an initial credential must submit fingerprints to TEA.
4. Recommendation for certification will not be made until all state and university requirements are met.

Certification of Post-Baccalaureate Students

TWU offers several options to individuals with a bachelor's degree who are seeking either initial or additional Texas teacher certification. Materials are available in the College of Professional Education Office of Student Support Services (http://www.twu.edu/teacher-certification) that outline the steps involved. All post-baccalaureate students pursuing initial teacher certification must have a GPA of at least 3.0 on the last 60 semester credit hours and a cumulative GPA of at least 2.75. Regardless of the total number of hours needed to complete certification requirements, at least 15 semester credit hours of course work must be taken at TWU prior to recommendation for certification. Other requirements unique to the academic specialization must be satisfied.

Graduate Courses

Please refer to the Graduate Catalog (http://catalog.twu.edu/graduate) or the department website for information about our graduate courses in Special Education, Educational Leadership, and Bilingual Education (EDBE).

Courses

EDUC 2003. Schools and Society. (TCCN EDUC 1301) Professional roles, responsibilities, and structure of American and Texas educational systems; legal and ethical requirements of professional educators. Importance of family involvement in the educational process. Utilization of effective interaction and communication with families, school personnel, and other members of the educational community. Three lecture hours a week. Credit: Three hours.

EDUC 2703. Gender and Education. An interdisciplinary examination of the relationship between gender and education in the U.S. Explores how gender relationships are created, maintained, enacted, and transformed through educational structures, practices, and institutions. Three lecture hours a week. Credit: Three hours.

EDUC 3003. Learning Theory and Development. Overview of the major learning theories and developmental models that impact student learning; instruction that promotes meaningful, integrated, active inquiry, and participation in the learning process. Prerequisite: Admission to the Teacher Education Program. Co-requisite: EDUC 3482. Three lecture hours a week. Credit: Three hours.

EDUC 3482. Teaching Diverse Learners Through Technology Integration. Implementation of effective and appropriate approaches to integrating innovative technology in diverse EC-12 classrooms. Prerequisite: Admission to the Teacher Education program. Co-requisite: EDUC 3003. Two lecture hours a week. Credit: Two hours.

EDUC 4003. Student Teaching: Dance. Credit: Three hours.

EDUC 4006. Student Teaching: Dance. Credit: Six hours.

EDUC 4013. Student Teaching: Biology. Credit: Three hours.

EDUC 4016. Student Teaching: Biology. Credit: Six hours.

EDUC 4023. Student Teaching: Business. Credit: Three hours.

EDUC 4026. Student Teaching: Business. Credit: Six hours.

EDUC 4033. Student Teaching: Chemistry. Credit: Three hours.

EDUC 4036. Student Teaching: Chemistry. Credit: Six hours.

EDUC 4043. Student Teaching: English. Credit: Three hours.

EDUC 4046. Student Teaching: English. Credit: Six hours.

EDUC 4052. Practicum in Special Education. Credit: Two hours.

EDUC 4053. Practicum in Special Education. Credit: Three hours.

EDUC 4063. Student Teaching: General Science. Credit: Three hours.

EDUC 4066. Student Teaching: General Science. Credit: Six hours.

EDUC 4073. Student Teaching: Government. Credit: Three hours.

EDUC 4076. Student Teachnig: Governement. Credit: Six hours.

EDUC 4083. Student Teaching: Health. Credit: Three hours.

EDUC 4086. Student Teaching: Health. Credit: Six hours.

EDUC 4093. Student Teaching: History. Credit: Three hours.

EDUC 4096. Student Teaching: History. Credit: Six hours.

EDUC 4103. Student Teaching: Family and Consumer Sciences. Credit: Three hours.

EDUC 4106. Student Teaching: Family and Consumer Sciences. Credit: Six hours.

EDUC 4113. Design and Implementation of Instruction and Assessment. Design and implementation of instruction appropriate for all students; continuous and appropriate assessment; responsive instruction and effective communication techniques; instructional strategies that actively engage students in the learning process; timely, high-quality feedback. Prerequisites: EDUC 3003 and EDUC 3482, and admission to the Teacher Education Program. Co-requisite: EDUC 4243. Three lecture hours a week. Credit: Three hours.

EDUC 4116. Student Teaching: Journalism. Credit: Six hours.

EDUC 4123. Student Teaching: Mathematics. Credit: Three hours.

EDUC 4126. Student Teaching: Mathematics. Credit: Six hours.

EDUC 4146. Student Teaching: Physics. Credit: Six hours.

EDUC 4163. Student Teaching: Reading. Credit: Three hours.

EDUC 4166. Student Teaching: Reading. Credit: Six hours.

EDUC 4176. Student Teaching: Sociology. Credit: Six hours.

EDUC 4183. Student Teaching: Economics. Credit: Three hours.

EDUC 4186. Student Teaching: Economics. Credit: Six hours.

EDUC 4193. Student Teaching: Physical Science. Credit: Three hours.

EDUC 4196. Student Teaching: Physical Science. Credit: Six hours.

EDUC 4223. Student Teaching: Computer Science. Credit: Three hours.

EDUC 4226. Student Teaching: Computer Science. Credit: Six hours.

EDUC 4233. Student Teaching: Theatre Arts. Credit: Three hours.

EDUC 4236. Student Teaching: Theatre Arts. Credit: Six hours.

EDUC 4243. Classroom Environment and Management. Factors which foster a positive climate for learning, equity, and excellence: physically and emotionally safe and productive environments; effective learner-centered strategies for managing student behavior; social, legal, and ethical issues regarding the use of technology within the teaching and learning environment. Prerequisites: EDUC 3003 and EDUC 3482, and admission to Teacher Education Program. Co-requisite: EDUC 4113. Three lecture hours a week. Credit: Three hours.

EDUC 4283. Student Teaching: Life/Earth Science. Credit: Three hours.

EDUC 4286. Student Teaching: Life/Earth Science. Credit: Six hours.

EDUC 4293. Student Teaching: Kinesiology (Physical Education). Credit: Three hours.

EDUC 4303. Student Teaching: Kindergarten. Credit: Three hours.

EDUC 4306. Student Teaching: Kindergarten. Credit: Six hours.

EDUC 4313. Student Teaching: Elementary. Credit: Three hours.

EDUC 4316. Student Teaching: Elementary. Credit: Six hours.

EDUC 4323. Student Teaching: Bilingual. Credit: Three hours.

EDUC 4326. Student Teaching: Bilingual. Credit: Six hours.

EDUC 4333. Student Teaching: English as a Second Language. Credit: Three hours.

EDUC 4336. Student Teaching: English as a Second Language. Credit: Six hours.

EDUC 4343. Student Teaching: Life Science 8-12. Credit: Three hours.

EDUC 4346. Student Teaching: Life Science 8-12. Credit: Six hours.

EDUC 4356. Student Teaching: English/Language Arts. Credit: Six hours.

EDUC 4363. Student Teaching: Social Studies. Credit: Three hours.

EDUC 4366. Student Teaching: Social Studies. Credit: Six hours.

EDUC 4373. Student Teaching: Secondary Special Education. Credit: Three hours.

EDUC 4376. Student Teaching: Secondary Special Education. Credit: Six hours.

EDUC 4703. Student Teaching: Hearing Impaired. Credit: Three hours.

EDUC 4706. Student Teaching: Hearing Impaired. Credit: Six hours.

EDUC 4713. Student Teaching: EC-6 Grade 4. Student teaching or internship. Credit: Three hours.

EDUC 4716. Student Teaching: EC-6 Grade 4. Student teaching or internship. Credit: Six hours.

EDUC 4743. Student Teaching: Generic Special Education. Credit: Three hours.

EDUC 4746. Student Teaching: Generic Special Education. Credit: Six hours.

EDUC 4753. Student Teaching: Grades 4-8. Credit: Three hours.

EDUC 4756. Student Teaching: Grades 4-8. Credit: Six hours.

EDUC 4763. Student Teaching: Grades 4-8 English, Language Arts, and Reading. Credit: Three hours.

EDUC 4766. Student Teaching: Grades 4-8 English, Language Arts, and Reading. Credit: Six hours.

EDUC 4773. Student Teaching: Grades 4-8 Social Studies. Credit: Three hours.

EDUC 4776. Student Teaching: Grades 4-8 Social Studies. Credit: Six hours.

EDUC 4783. Student Teaching: Grades 4-8 Mathematics. Credit: Three hours.

EDUC 4786. Student Teaching: Grades 4-8 Mathematics. Credit: Six hours.

EDUC 4793. Student Teaching: Grades 4-8 Science. Credit: Three hours.

EDUC 4796. Student Teaching: Grades 4-8 Science. Credit: Six hours.

EDUC 4813. Student Teaching: All-Level Art. Credit: Three hours.

EDUC 4816. Student Teaching: All-Level Art. Credit: Six hours.

EDUC 4823. Student Teaching: All-Level Music. Credit: Three hours.

EDUC 4826. Student Teaching: All-Level Music. Credit: Six hours.

EDUC 4833. Student Teaching: All-Level Kinesiology. Credit: Three hours.

EDUC 4836. Student Teaching: All-Level Kinesiology. Credit: Six hours.

EDUC 4913. Independent Study. Independent study of specific problems. Prerequisite: Permission of instructor. May be repeated for up to 12 hours of credit. Credit: Three hours.

EDUC 4923. Internship in Teaching. Credit: Three hours.

EDUC 4926. Internship in Teaching. Credit: Six hours.

EDUC 4936. Practicum in Teaching. Credit: Six hours.

Faculty

Professors

ANDERSON, GINA B., Professor of Teacher Education; Interim Associate Dean of the College of Professional Education. B.S., University of Oklahoma; M.S., Oklahoma State University; Ed.D., Oklahoma State University.

COWART, MELINDA F., Professor of Teacher Education. B.S., University of Texas at Austin; M.Ed., Texas A&M-Commerce; Ed.D., Texas A&M-Commerce .

FEYTEN, CARINE M., Chancellor and President; Professor of Teacher Education. B.A., Universite' Catholique de Louvain, Belgium; M.A., Universite' Catholique de Louvain, Belgium; Ph.D., University of South Florida.

HANSEN-THOMAS, HOLLY, Professor of Teacher Education. B.A., University of Texas at Austin; M.A., University of Texas at San Antonio; Ph.D., University of Texas at San Antonio.

PEMBERTON, JANE B., Professor of Teacher Education; Chair of the Department of Teacher Education. B.S., Kansas State University; M.S., Kansas State University; Ph.D., University of New Mexico.

SANCHEZ, CLAUDIA D., Professor of Teacher Education. B.A., Escuela Normal Superior de Coahuila : Saltillo, Mexico; B.A., Universidad Autonoma de Coahuila : Saltillo, Mexico; M.S., Texas A&M University; Ph.D., Texas A&M University.

WHITWORTH, JERRY E., Professor of Teacher Education; Interim Dean of the College of Professional Education. B.A., University of Kansas; M.S., Fort Hays State University; Ed.D., University of Missouri, Columbia.

Associate Professors

DUNLAP, KAREN L., Associate Professor of Teacher Education. B.S.Ed., Stephen F. Austin State University; M.Ed., Stephen F. Austin State University; Ed.D., University of Texas, El Paso.

FREDRICKSON, REBECCA R., Associate Professor of Teacher Education. B.F.A, Stephen F. Austin State University; M.Ed., University of Texas at Tyler; Ed.D., Stephen F. Austin State University.

LERNER, BARBARA A., Associate Professor of Teacher Education; Associate Provost for Undergraduate Studies and Academic Partnerships. B.A., George Washington University; M.A., George Washington University; Ph.D, Texas Woman's University.

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McMAHAN, SARAH K., Associate Professor of Teacher Education. B.S., Abilene Christian University; M.Ed., Abilene Christian University; Ph.D., Texas Tech University.

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Assistant Professors

GOO, MINKOWAN, Assistant Professor of Teacher Education. B.A., Daegu University; M.A., Daegu University; Ph.D., University of Iowa.

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Course Abbreviations

Abbreviation	Title
ART	Visual Arts
BACT	Bacteriology
BIOL	Biology
BUS	Business
CHEM	Chemistry
COMS	Communication Sciences and Disorders
CSCI	Computer Science
DH	Dental Hygiene
DNCE	Dance
DRAM	Drama
ECO	Economics
EDBE	Education/Bilingual
EDSP	Education/Special
EDUC	Education
ELDR	Education/Administration
ENG	English
FL	Foreign Languages
FS	Family Sciences
FT	Fashion and Textiles
GOV	Government
HCA	Health Care Administration
HSM	Health Systems Management
HIST	History
HS	Health Studies
KINS	Kinesiology
LS	Library Science
MATH	Mathematics
MU	Music
NFS	Nutrition and Food Sciences
NURS	Nursing
OT	Occupational Therapy
PHIL	Philosophy
PHYS	Physics
PSY	Psychology
PT	Physical Therapy
READ	Reading
SCI	Science
SOCI	Sociology
SOWK	Social Work
SPAN	Spanish
SPCH	Speech
WS	Women's Studies
ZOOL	Zoology

Texas Common Course Numbering System

Texas Common Course Numbering System (TCCNS)

The Texas Common Course Numbering System is designed to aid students in the transfer of freshman and sophomore academic credit courses identified by institutions that are members of the TCCNS.

The common course number has a standardized four-letter prefix followed by a four-digit number. The four-letter prefix identifies the subject area. For example, ENGL represents English courses, while COSC represents computer science courses. The four-digit number identifies specific courses within the subject area. TCCNS numbers appear following TWU course numbers when applicable in this catalog and are listed at the end of this catalog.

Each digit in the four-digit sequence gives additional information about the course. The first digit identifies the course as either freshman level (1) or sophomore level (2). The second digit identifies the number of semester credit hours students earn upon completing the course. Most often this digit will be a 1, 2, 3, or 4. The final two digits serve to establish the sequence in which courses are generally taken.

For more information, see the Undergraduate Studies and Academic Partnerships website (http://www.twu.edu/undergraduate-studies/tccns.asp).

The common course number has a standardized four-letter prefix followed by a four-digit number. The four-letter prefix identifies the subject area. For example, ENGL is the common prefix for English courses, while COSC is the common prefix for computer science courses. The four-digit number following the prefix identifies specific courses within the subject area.

Each digit in the four-digit sequence gives additional information about the course. The first digit identifies the course as either freshman level (1) or sophomore level (2). The second digit identifies the number of semester credit hours students earn upon completing the course. Most often this digit will be a 1, 2, 3, or 4. The final two digits serve to establish the sequence in which courses are generally taken. Thus, French I - FREN 1311 is taken before French II - FREN 1312.

A crosswalk between the TWU course number and respective title, and the Texas Common Course Number and title, is provided below.

TCCNS Course	TWU Equivalent
ACCT 2301 Principles of Accounting I	BUS 2043
ACCT 2302 Principles of Accounting II	BUS 2053
ACCT 2401 Principles of Accounting I - Financial	BUS 2043
ACCT 2402 Principles of Accounting II - Managerial	BUS 2053
ART 2317 Painting II	ART 3703
ARTS 1301 Art Appreciation	ART 2713
ARTS 1303 Art History I	ART 2403
ARTS 1304 Art History II	ART 2413
ARTS 1311 Design I	ART 1203
ARTS 1312 Design II	ART 1213
ARTS 1316 Drawing I	ART 1303
ARTS 1317 Drawing II	ART 1313
ARTS 2316 Painting I	ART 1503
ARTS 2323 Life Drawing I	ART 2303
ARTS 2326 Sculpture I	ART 2753
ARTS 2346 Ceramics I	ART 2823
ARTS 2347 Ceramics II	ART 2833
ARTS 2356 Photography I	ART 2653
ARTS 2357 Photography II	ART 4653
ARTS 2366 Watercolor I	ART 3713
BCIS 1301 Microcomputer Applications	CSCI 2433
BCIS 1305 Business Computer Applications	CSCI 2433
BCIS 1316 Computer Programming BASIC	CSCI 1413
BCIS 1405 Business Computer Applications	CSCI 2433
BCIS 1416 Computer Programming - BASIC	CSCI 1413/1411
BIOL 1106 Biology (Majors-Lab I)	BIOL 1111
BIOL 1107 Biology (Majors-Lab II)	BIOL 1121

BIOL 1111 Gen. Botany (lab)	BOT 2111
BIOL 1306 Gen. Biol. I (Majors)	BIOL 1113
BIOL 1307 Gen. Biol. II (Majors)	BIOL 1123
BIOL 1311 General Botany	BOT 2113
BIOL 1322 Nutrition & Diet Therapy I	NFS 2323
BIOL 1406 Biology for Non-Science Majors I	BIOL 1111/1113
BIOL 1407 Biology for Science Majors II	BIOL 1121/1123
BIOL 1411 Gen. Botany	BOT 2113
BIOL 2101 Anatomy & Phys I (Lab)	ZOOL 2011
BIOL 2102 Anatomy & Phys II (Lab)	ZOOL 2021
BIOL 2120 Microbiology (Lab) (non-majors)	BACT 1001
BIOL 2301 Anatomy & Phys. I	ZOOL 2013
BIOL 2302 Anatomy & Phys. II	ZOOL 2023
BIOL 2306 Environmental Biology	BIOL 1023
BIOL 2320 Microbiology (non-majors)	BACT 1003
BIOL 2401 Anatomy & Physiology I	ZOOL 2013/2011
BIOL 2402 Anatomy & Physiology II	ZOOL 2023/2021
BIOL 2420 Microbiology for Non-Science Majors	BACT 1003/1001
CHEM 1105 Introductory Chemistry I Lab	CHEM 1011
CHEM 1107 Introductory Chemistry II Lab	CHEM 1021
CHEM 1111 General Chemistry I (Lab)	CHEM 1111
CHEM 1112 General Chemistry II (Lab)	CHEM 1121
CHEM 1305 Introductory Chemistry I	CHEM 1013
CHEM 1307 Introductory Chemistry II	CHEM 1023
CHEM 1311 General Chemistry I	CHEM 1113
CHEM 1312 General Chemistry II	CHEM 1123
CHEM 1405 Introductory Chemistry I	CHEM 1013/1011
CHEM 1407 Introductory Chemistry II	CHEM 1023/1021
CHEM 1411 General Chemistry I	CHEM 1113/1111
CHEM 1412 General Chemistry II	CHEM 1123/1121
CHEM 2123 Organic Chemistry I Lab	CHEM 2211
CHEM 2125 Organic Chemistry II Lab	CHEM 3221
CHEM 2323 Organic Chemistry I	CHEM 2213
CHEM 2325 Organic Chemistry II	CHEM 3223
CHEM 2423 Organic Chemistry I	CHEM 2213/2211
CHEM 2425 Organic Chemistry II	CHEM 3223/3221
COSC 1300 Intro to Computing	CSCI 1403
COSC 1301 Microcomputer Application	CSCI 2433
COSC 1319 Comp Prog (Assembly)	CSCI 2443
COSC 1336 Programming Fundamentals I	CSCI 1423
COSC 1337 Programming Fundamentals II	CSCI 2493
COSC 1401 Microcomputer Applications	CSCI 2433
COSC 1419 Assembly Language Programming I	CSCI 2443
COSC 1436 Programming Fundamentals I	CSCI 1423/1421
COSC 1437 Programming Fundamentals I	CSCI 2493
COSC 2325 Computer Organization and Machine Language	CSCI 2443
COSC 2425 Computer Organization & Machine Language	CSCI 2443
CRIJ 1301 Intro to Criminal Justice	SOCI 2213
CRIJ 1307 Crime in America	SOCI 2133
CRIJ 2314 Criminal Investigation	GOV 2223
DANC 1110 Tap I	DNCE 1071
DANC 1111 Tap II	DNCE 1071

DANC 1112 Dance Prac. I	DNCE 3101
DANC 1113 Dance Prac. II	DNCE 1191
DANC 1122 Folk I	DNCE 1061
DANC 1123 Folk II	DNCE 1061
DANC 1128 Ballroom I	DNCE 1021
DANC 1129 Ballroom II	DNCE 1021
DANC 1133 Country & Western I	DNCE 1021
DANC 1134 Country & Western II	DNCE 1021
DANC 1141 Ballet I	DNCE 1011
DANC 1142 Ballet II	DNCE 1011
DANC 1145 Modern Dance I	DNCE 1051
DANC 1146 Modern Dance II	DNCE 1051
DANC 1147 Jazz Dance I	DNCE 1061
DANC 1148 Jazz Dance II	DNCE 1061
DANC 1151 Dance Performance I	DNCE 3101
DANC 1152 Dance Performance II	DNCE 3101
DANC 1162 Dance Performance	DNCE 3101
DANC 1222 Folk I	DNCE 1061
DANC 1223 Folk II	DNCE 1061
DANC 1245 Modern Dance I	DNCE 1051
DANC 1246 Modern Dance II	DNCE 1051
DANC 1247 Jazz Dance I	DNCE 1061
DANC 1248 Jazz Dance II	DNCE 1061
DANC 1251 Dance Performance I	DNCE 3101
DANC 1252 Dance Performance II	DNCE 3101
DANC 1305 World Dance I	DNCE 2143
DANC 1341 Ballet I	DNCE 1111
DANC 1342 Ballet II	DNCE 1121
DANC 1345 Modern Dance I	DNCE 1151
DANC 1346 Modern Dance II	DNCE 1161
DANC 1347 Jazz Dance I	DNCE 1061
DANC 1348 Jazz Dance II	DNCE 1061
DANC 1352 Dance Performance II	DNCE 3101
DANC 2122 Folk III	DNCE 3191
DANC 2123 Folk IV	DNCE 3191
DANC 2141 Ballet III	DNCE 2111
DANC 2142 Ballet IV	DNCE 2121
DANC 2145 Modern Dance III	DNCE 1151
DANC 2146 Modern Dance IV	DNCE 1161
DANC 2147 Jazz Dance III	DNCE 3191
DANC 2148 Jazz Dance IV	DNCE 3191
DANC 2151 Dance performance III	DNCE 2101
DANC 2152 Dance performance IV	DNCE 3101
DANC 2222 Folk III	DNCE 3191
DANC 2223 Folk IV	DNCE 3191
DANC 2245 Modern Dance III	DNCE 2151
DANC 2246 Modern Dance IV	DNCE 2161
DANC 2247 Jazz Dance III	DNCE 3191
DANC 2248 Jazz Dance IV	DNCE 3191
DANC 2303 Dance Appreciation I	DNCE 2393
DANC 2304 Dance Appreciation II	DNCE 2393
DANC 2325 Anatomy & Physiology for Dance	DNCE 1091

DANC 2341 Ballet III	DNCE 2111
DANC 2342 Ballet IV	DNCE 2121
DANC 2345 Modern Dance III	DNCE 2151
DANC 2346 Modern Dance IV	DNCE 2161
DANC 2351 Dance Performance III	DNCE 3101
DANC 2352 Dance Performance IV	DNCE 3101
DRAM 1120 Theater Practicum I	DRAM 1312
DRAM 1121 Theater Practicum II	DRAM 1312
DRAM 1220 Theatre Practicum I	DRAM 1312
DRAM 1221 Theatre Practicum II	DRAM 2312
DRAM 1310 Introduction to Theatre	DRAM 2493
DRAM 1320 Theater Practicum I	DRAM 1312
DRAM 1321 Theater Practicum II	DRAM 1312
DRAM 1322 Stage Movement	DRAM 2473
DRAM 1323 Basic Theater Practice	DRAM 1312
DRAM 1330 Stagecraft I	DRAM 2113
DRAM 1341 Makeup	DRAM 2433
DRAM 1351 Acting I	DRAM 2213
DRAM 1352 Acting II	DRAM 2223
DRAM 2120 Theater Practicum III	DRAM 1312
DRAM 2121 Theater Practicum IV	DRAM 1312
DRAM 2220 Theatre Practicum III	DRAM 3312
DRAM 2331 Stagecraft II	DRAM 3433
DRAM 2336 Voice for the Theatre	DRAM 3493
DRAM 2352 Activing IV	DRAM 3603
DRAM 2361 History Theatre I	DRAM 3473
DRAM 2362 History Theatre II	DRAM 3483
ECON 2301 Principles of Macroeconomics	ECO 1023
ECON 2302 Principles of Microeconomics	ECO 1013
EDUC 1100 Learning Frameworks	UNIV 1231
EDUC 1200 Learning Frameworks	UNIV 1231
EDUC 1300 Learning Frameworks	UNIV 1231
EDUC 1301 Introduction to Teaching Prof.	EDUC 2003
EDUC 2301 Intro to Special Education	EDSP 4203
ENGL 1301 Composition I	ENG 1013
ENGL 1302 Composition II	ENG 1023
ENGL 2314 Tech. & Business Writing I	ENG 3433
ENGL 2322 British Literature I	ENG 2013
ENGL 2326 American Literature	ENG 2033
ENGL 2332 World Literature I	ENG 2043
ENGL 2333 World Literature II	ENG 2053
ENGL 2341 Forms of Literature	ENG 2153
ENGL 2341 Forms of Literature	DRAM 2513
ENVR 1101 Environmental Science I	BIOL 1021
ENVR 1301 Environmental Science I	BIOL 1022
ENVR 1401 Environmental Science I	BIOL 1022/1021
FREN 1311 Beginning French I	FR 1013
FREN 1312 Beginning French II	FR 1023
FREN 1411 Beginning French I	FR 1013
FREN 1412 Beginning French II	FR 1023
GEOG 1303 World Regional Geography	SOCI 3273
GEOL 1301 Earth Sciences I	SCI 2113

GEOL 1401 Earth Sciences I	SCI 2113
GOVT 2305 Federal Government	GOV 2013
GOVT 2306 Texas Government	GOV 2023
HECO 1315 Food Preparation & Meal Management	NFS 1301/1302
HECO 1320 Textiles	FT 1073
HECO 1322 Nutrition/Diet Therapy	NFS 2323
HECO 1328 Clothing Selection, Design and Construction I	FT 1013
HECO 2311 Fashion Merchandising	FT 2033
HIST 1301 United States History I	HIST 1013
HIST 1302 United States History II	HIST 1023
HIST 2301 Texas History	HIST 3713
HIST 2313 History of England I	HIST 3433
HIST 2321 World Civilization I	HIST 2013
HIST 2322 World Civilization II	HIST 2023
MATH 1314 College Algebra	MATH 1303
MATH 1316 Plane Trigonometry	MATH 1313
MATH 1324 Math for Business and Social Sci.	MATH 2203
MATH 1332 Contemporary Math I	MATH 1013
MATH 1333 Contemporary Math II	MATH 1023
MATH 1342 Elementary Statistical Methods	MATH 1703
MATH 1348 Analytic Geometry	MATH 1323
MATH 1350 Fundamentals of Math I	MATH 1533
MATH 1351 Fundamentals of Math II	MATH 1543
MATH 1414 College Algrebra	MATH 1303
MATH 1442 Elementary Statistical Methods	MATH 1703
MATH 2313 Calculus I	MATH 2014
MATH 2314 Calculus II	MATH 2024
MATH 2342 Elementary Statistical Methods	MATH 1703
MATH 2413 Calculus I	MATH 2014
MATH 2414 Calculus II	MATH 2024
MATH 2442 Elementary Statistical Methods	MATH 1703
MATH 2513 Calculus I	MATH 2014
MUSI 1116 Elementary Sight Singing & Ear Training I	MU 1521
MUSI 1117 Elementary Sight Singing & Ear Training II	MU 1531
MUSI 1181 Piano Class I	MU 1021
MUSI 1182 Piano Class II	MU 1031
MUSI 1211 Music Theory I	MU 1523
MUSI 1212 Music Theory II	MU 1533
MUSI 1216 Elementary Sight Singing & Ear Training I	MU 1521
MUSI 1217 Elementary Sight Singing & Ear Training II	MU 1531
MUSI 1303 Fundamentals of Music	MU 1503
MUSI 1306 Music Appreciation	MU 2713
MUSI 1311 Music Theory I	MU 1523
MUSI 1312 Music Theory II	MU 1533
MUSI 2116 Advanced Sight Singing & Ear Training I	MU 2521
MUSI 2117 Advanced Sight Singing & Ear Training II	MU 2531
MUSI 2181 Piano Class III	MU 2061
MUSI 2182 Piano Class IV	MU 2081
MUSI 2212 Music Theory IV	MU 2533
MUSI 2216 Advanced Sight Singing & Ear Training I	MU 2521
MUSI 2217 Advanced Sight Singing & Ear Training II	MU 2531
MUSI 2311 Music Theory III	MU 2523

MUSI 2312 Music Theory IV	MU 2533
PHED 1152 Scuba Diving II	KINS 1441
PHED 1164 Introduction to Physical Fitness & Sport	KINS 1901
PHED 1238 Introduction to Physical Fitness & Sport	KINS 1902
PHED 1301 Intro. to Physical Fitness and Sport	KINS 1902/1901
PHED 1304 Personal/Comm. Health I	HS 1902/1901
PHED 1346 Drug Use and Abuse	HS 2383
PHIL 1301 Introduction to Philosophy	PHIL 1023
PHIL 2303 Introduction to Logic	PHIL 2033
PHIL 2306 Introduction to Ethics	PHIL 3053
PHYS 1101 College Phy. I (lab)	PHYS 1131
PHYS 1102 College Phy. II (lab)	PHYS 1141
PHYS 1301 College Phy. I	PHYS 1133
PHYS 1302 College Phy. II	PHYS 1143
PHYS 1401 College Physics I	PHYS 1133/1131
PHYS 1402 College Physics II	PHYS 1143/1141
PHYS 1415 Phys. Science I	SCI 1114
PHYS 2125 Univ. Phy. I (lab)	PHYS 2151
PHYS 2125 Univ. Phys I (lab)	PHYS 2151
PHYS 2126 Univ. Phy. II (lab)	PHYS 2161
PHYS 2325 Univ. Phy I	PHYS 2153
PHYS 2325 Univ. Phys I	PHYS 2153
PHYS 2326 Univ. Phy. II	PHYS 2163
PHYS 2425 University Physics I	PHYS 2153/2151
PHYS 2426 University Physics II	PHYS 2163/2161
PSYC 1100 Learning Frameworks	UNIV 1231
PSYC 1200 Learning Frameworks	UNIV 1231
PSYC 1300 Learning Frameworks	UNIV 1231
PSYC 2301 General Psychology	PSY 1013
PSYC 2306 Human Sexuality	HS 2373
PSYC 2307 Adolescent Psychology I	PSY 2633
PSYC 2314 Lifespan, Growth & Dev.	PSY 1603
PSYC 2317 Applied Statistics	PSY 2303
PSYC 2319 Social Psychology	PSY 2023
SGNL 1301 Beg. ASL I	COMS 4553
SGNL 1302 Beg. ASL II	COMS 4613
SGNL 1401 Beginning Sign Language I	COMS 4553
SGNL 1501 Beginning American Sign Language I	COMS 4553
SGNL 1502 Beginning American Sign Language II	COMS 4613
SNGL 1402 Beginning American Sign Language II	COMS 4613
SOCI 1301 Introductory Sociology	SOCI 1013
SOCI 1306 Social Problems	SOCI 1023
SOCI 2301 Marriage and the Family	SOCI 2023
SOCI 2306 Human Sexuality	HS 2373
SOCI 2326 Social Psychology	PSY 2023
SOCI 2336 Criminology	SOCI 2133
SOCI 2340 Drug Use and Abuse	HS 2383
SOCW 2361 Introduction to Social Work	SOWK 1403
SPAN 1311 Beginning Spanish I	SPAN 1013
SPAN 1312 Beginning Spanish II	SPAN 1023
SPAN 1411 Beginning Spanish I	SPAN 1013
SPAN 1412 Beginning Spanish II	SPAN 1023

SPAN 2311 Intermediate Spanish I	SPAN 1033
SPAN 2312 Intermediate Spanish II	SPAN 1043
SPCH 1311 Intro. to Speech Comm.	SPCH 1013
TECA 1303 Families and the Community	FS 1603
TECA 1311 Educating Young Children	FS 3663
TECA 1318 Wellness of the Young Child	FS 2523
TECA 1354 Child Growth & Development	FS 2513

Faculty

NOTE: Asterisk (*) denotes Graduate Faculty status. List is correct as of August, 2015.

Faculty

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Cornaro Professors

Named for Elena Lucrezia Cornaro Piscopia, the first woman in history to receive a university degree (from the University of Padua, Italy, in 1678), the Cornaro Award for Excellence in Teaching is made by a peer committee in recognition of outstanding commitment to scholarship and the advancement of learning.

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2011 PENELOPE HANSTEIN, Ph.D., Professor of Dance

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1999 LYNDA UPHOUSE, Ph.D., Professor of Biology

1998 MARGARET M. GRIFFIN, Ed.D., Professor of Reading and Bilingual Education

1997 BETTY B. ALFORD, Ph.D., Professor of Nutrition

1996 JUDITH McFARLANE, D.P.H., Professor of Nursing

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1993 MARTHA H. SWAIN, Ph.D., Professor of History

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1991 MONA S. HERSH-COCHRAN, Ph.D., Professor of Economics

1990 PAUL E. THETFORD, Ph.D., Professor of Psychology

1989 JOHN CHRISTY, Ph.D., Professor of Mathematics

1988 JANE MOTT, Ph.D., Professor of Physical Education

1986 ROSE SPICOLA, Ph.D., Professor of Reading and Bilingual Education

1985 LAVON B. FULWILER, Ph.D., Professor of English

1984 ROBERT FUERST, Ph.D., Professor of Biology

1983 CLARICE GARRETT, Ph.D., Professor of Fashion and Textiles

1982 CLIFTON T. SPARKS, Ph.D., Professor of Counselor Education and Personnel Services; Dean of the College of Education

1981 JOHN W. McFARLAND, Ed.D., Professor of Counselor Education and Personnel Services

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1979 A. ELIZABETH TAYLOR, Ph.D., Piper Professor of History and Government

1978 ETHELYN DAVIS, Ph.D., Professor and Chair of the Department of Sociology and Social Work

Emeritus Faculty

The Emeritus Faculty of Texas Woman’s University are a valued and treasured resource, and they represent the rich history of the university. You can find a listing of the Emeritus Faculty on the TWU website (http://www.twu.edu/osap/faculty-staff-resources.asp).

Campus Maps

For campus maps and locations, visit the Campus Maps and Locations on the TWU website (http://www.twu.edu/maps.asp).

Building Abbreviation	Building Name
ACT	Administration Conference Tower
ADM	Admissions Building
ART	Art Building
ASB	Arts and Sciences Building
ASSC	Ann Stuart Science Complex
BHL	Blagg-Huey Library
CFO	Classroom and Faculty Office Building
DGL	Dance, Gymnastics, and Human Performance Laboratories
GRB	Graduate Research Building
HDB	Human Development Building
INSD	Institute of Health Sciences - Dallas Center
IHSH	Institute of Health Sciences - Houston Center
MCL	Multipurpose Classroom-Laboratory Building
MJPH	Margo Jones Performance Hall
MUS	Music Building
OMB	Old Main Building
PB	Patio Building
PH	Pioneer Hall
RBD	Redbud Theater Complex
SH	Stoddard Hall
ULB	Undergraduate Laboratory Building

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