

ONTARIO  
at  
**50** THE START  
OF SOMETHING  
AMAZING  
COLLEGES



Northern  
COLLEGE

VIEWBOOK  
2017 • 2018

## A NORTHERN COLLEGE INVITATION

Northern College invites you to “grow with us” as you follow your unique path to the future you dream of. We are here to support your personal growth, wellbeing and success as we deliver the best possible career enhancing education wrapped up in a memorable Northern experience.

### WE INVITE YOU TO GET TO KNOW US BETTER;

- Start with reviewing this viewbook
- Check out [northernc.on.ca](http://northernc.on.ca)
- Book a campus tour online
- Attend one of our open house events
- Call our admissions team at 705.235.7222

## WELCOME!

### WE ACKNOWLEDGE THE TERRITORY OF THE INDIGENOUS PEOPLE OF THE AREA.

This viewbook gives you an overview of what Northern College has to offer. You can find all the information you need about programs, services, applying to college and important updates at [northernc.on.ca](http://northernc.on.ca).

The information contained in this publication is subject to change without notice. It should not be viewed as a representation, offer, or warranty. Students are responsible for verifying Northern College admission, graduation, and fee requirements, as well as any requirements of outside institutions, industry associations, or other bodies that may award additional designations, concurrently with, or after completion of, a Northern College program. Programs and courses highlighted in this publication are not necessarily offered at all Northern College campuses. Programs and courses may differ from one campus to another. Always check our website for the most current information.

# WHAT'S INSIDE

## GENERAL INFORMATION

- 02 WE'D LOVE TO MEET YOU
- 03 STUDENT LIFE
- 04 YOUR COLLEGE, YOUR COMMUNITY
- 06 STUDENT SERVICES
- 06 ADVISING
- 07 ACCESSIBILITY SERVICES
- 07 FIRST YEAR EXPERIENCE
- 08 INDIGENOUS SERVICES
- 09 ALUMNI
- 10 RESIDENCE
- 11 FINANCES
- 12 APPLYING TO COLLEGE
- 13 APPRENTICESHIP PROGRAMS
- 13 DISTANCE LEARNING

## PROGRAMS

- 14 SCHOOL OF BUSINESS AND OFFICE ADMINISTRATION
- 22 SCHOOL OF COMMUNITY SERVICES
- 26 SCHOOL OF HEALTH SCIENCES AND EMERGENCY SERVICES
- 36 SCHOOL OF VETERINARY SCIENCES
- 42 SCHOOL OF ENGINEERING TECHNOLOGY AND TRADES
- 54 SCHOOL OF WELDING ENGINEERING TECHNOLOGY
- 60 PREPARATORY PROGRAMS
- 64 NORTHERN TRAINING DIVISION

# WE'D LOVE TO MEET YOU

## WHAT YOU WANT TO LEARN ... ... HOW YOU WANT TO LEARN IT

There are many paths leading to success and each one is as distinct as the individual who takes it. Northern College offers diverse and flexible programs and training opportunities to fit your unique needs!

With over 75 full-time, part-time, certificate, diploma, apprenticeship and training programs and hundreds of in-class, web-based, and correspondence courses, you are sure to find exactly what you're looking for.

### SCHOOLS OF STUDY

- Business and Office Administration
- Community Services
- Health Sciences and Emergency Services
- Veterinary Sciences
- Engineering Technology and Trades
- Welding Engineering Technology

Northern also provides post-secondary and career readiness programs and free Academic Upgrading to help you get where you want to go. (SEE PAGE 61)

Our friendly staff are here to help you connect with Northern. Get in touch with us to sit in on a class, book a campus tour, attend an information session, or arrange a personal meeting.

### CLASS AUDITING

Sit in on a class in the program of your choice. It's the perfect way to meet the faculty and students, and see if a program is right for you. Think of class auditing as a test drive.

## CAMPUS TOURS

It's one of the best ways to get to know us! Visit one of our campuses and see our facilities first-hand. We have excellent learning centres, labs, athletic facilities, and more!

**BOOK A CAMPUS TOUR ONLINE!**

## INFORMATION SESSIONS

We'll go to your school and hold information sessions to answer questions about our programs, admission requirements, financial aid, student services and other topics that matter to you.

### FALL OPEN HOUSE

College Information Program  
Thursday, October 13, 2016  
9:30 - 11:30 am at the Timmins Campus

### SPRING OPEN HOUSE

Saturday, April 1, 2017  
10:00 am - 1:00 pm  
Haileybury, Kirkland Lake and Timmins

**WE LOOK FORWARD TO MEETING YOU!**



NORTHERNC



MYNORTHERNC



NORTHERNCOLLEGE

# STUDENT LIFE

The Northern experience is way more than just classes, labs and homework. That's why we regularly host exciting activities and events that give you an opportunity to hang out, make new friends and create great memories.

## ATHLETICS

Why not complement your academic growth with a fitness regimen? As a Northern College student, you'll have free access to our suite of athletics facilities. All of our campuses have a weight room, cardio equipment, and a full-size gymnasium.

Get to know students from other programs while playing a friendly game of basketball, badminton or hockey. We hold intramural sports leagues and tournaments throughout the year, some of which will give you an opportunity to meet students from other Northern College campuses.

## ACTIVITIES

From live music and movie nights, to exciting frosh week activities, to stress-busting activities during exam week, the Northern College Student Association is always hosting fun and helpful activities for Northern students.

We also host annual events that celebrate and support our multicultural student population. Our annual Northern College Traditional Powwow and Indigenous Cultural Awareness Week provide exceptional opportunities for all our students to learn about and celebrate local Indigenous cultures.

## IN THE COMMUNITY

Looking to get involved in the community outside of the college? Northern College is heavily involved in numerous community projects and events, and there are plenty of opportunities for socially active students to volunteer.



Northern College has four campuses located in northeastern Ontario. Northern's largest Campus is in Timmins, a thriving city with a population of just over 43,000. Northern also has campuses in Haileybury, Kirkland Lake and Moosonee. These communities are friendly inclusive places that enable an incredible quality of life. All of Northern's campuses provide easy access to the unlimited outdoor adventure opportunities available in our vast northern playground.

### HAILEYBURY

Overlooking picturesque Lake Temiskaming, our Haileybury Campus is located in the City of Temiskaming Shores. With a population of just over 10,000 people, Temiskaming Shores features many of the amenities you'd expect from an urban centre, including a vibrant downtown core, numerous museums, an art gallery, live theatre and multiple venues that feature live music. It's also an ideal spot for outdoor enthusiasts, who will enjoy two golf courses, campgrounds, horseback riding, downhill and cross-country skiing, and a well-maintained walking trail network that weaves through the community.

### KIRKLAND LAKE

Kirkland Lake is a small town that rarely sees a dull moment. From award-winning festivals to concerts by some of today's hottest musicians, Kirkland Lake knows how to entertain. Just imagine seeing some of your favorite artists like Hedley, Carly Rae Jepsen, The Tragically Hip or Simple Plan in a venue where even the back row feels up close and personal! Kirkland Lake is also an athlete's dream, featuring tennis courts, baseball diamonds, soccer fields, a golf course, curling club, skate park and even a 1,000 seat arena.



# YOUR COMMUNITY

## MOOSONEE

Moosonee is a small, friendly community located just south of James Bay on the Moose River. Moosonee serves as a major transportation hub for communities in the Far North of Ontario, providing air, rail and winter road connections to larger northern centres. Our Moosonee Campus provides a tightly-knit learning environment that is perfect for students from Indigenous communities along the James Bay coast, where it's easy to settle in and make connections with students, staff and the broader community.

## TIMMINS

The City of Timmins exhibits the ultimate fusion of urban and rural living. Due to its role as a major hub for communities throughout northeastern Ontario, Timmins is able to provide a suite of big-city amenities like a lively nightlife scene, cuisine from around the world and even the Timmins Symphony Orchestra, all while maintaining a strong sense of community and a small-town feel. And if you're craving adventure, Timmins provides year-round access to some of the finest outdoor recreation opportunities found anywhere.



You can count on our helpful staff as you grow with us on your Northern journey. We are here to support your personal growth, well-being and success as you work to reach your full potential.

### HERE ARE SOME OF THE STUDENT SERVICES IN PLACE FOR YOU ...

- Student Success + Learning Resource Centres
- First Year Experience Services
- Accessibility Services
- Student Advising
- Peer Tutoring
- Bookstores
- Cafeterias and Student Lounges
- Northern College Student Association and Benefits Plan
- Alumni Association
- International Office

### AT OUR STUDENT SUCCESS CENTRES YOU WILL FIND ...

- Specific course assistance
- General student success strategies (test taking, time management)
- Access to professors
- Access to student tutors in all courses and programs of study

INFO@NORTHERN.ON.CA

### ADVISING

Being a college student isn't always easy. That's why we offer confidential and personal advising for all of our students, whether you're attending class in person or from a distance. We also provide guidance on academics, policies and procedures, student life and employment.

Throughout the year, you'll have access to orientation as well as events and workshops to help you cope with stress, learn studying tips and have a little fun. We also provide support, guidance and mentoring in many different areas. If you need to chat, want a little direction or need assistance with anything, we're here to help.

- Indigenous Advising
- First Generation Learner Advising
- First Year Experience Services
- International Student Advising
- Second Career Advising
- Student Life
- Residence



# STUDENT SERVICES

## ACCESSIBILITY SERVICES

Our Accessibility Services team is dedicated to ensuring that all Northern College students have equitable access to all of our educational opportunities.

## ACCOMMODATIONS AND EDUCATIONAL SUPPORT MAY INCLUDE

- Note-taking for lectures
- Access to alternate format materials such as textbook on CD
- Access to a word processor with spell check, grammar, and thesaurus for the completion of the final copy of written work
- Extended time for tests/exams
- Tests/exams in a quiet place
- Use of a calculator on tests/exams
- Scribe/readers for tests/exams

**OUR SERVICES ARE CONFIDENTIAL,  
VOLUNTARY AND FREE**

If you are considering Northern College and have a disability, we would love to hear from you. Feel free to get in touch with one of our advisors to discuss your program of study and the support we can offer.



## FIRST YEAR EXPERIENCE

Are you new to college? Our support services staff are here to help, from your first day to graduation day. They can get you the answers you need to adjust to college life and achieve academic success. Whether you're studying on or off campus, full or part-time, you'll have access to our First Year Experience services.

## WE OFFER

- Guidance, support and direction to all first-year students and first generation learners
- Computer boot camps
- Workshops geared to specific student groups, needs, and issues
- Financial, personal, academic, social, and community advising services
- Peer mentoring program
- Referrals to on and off-campus services and support, including academic upgrading and peer tutoring
- Customized summer orientation for first generation learners
- Learning support, study tips and resources
- Support specific to distance learners
- A comfortable, confidential, welcoming place and friendly face to help you find answers to any questions you may have

You can register with First Year Experience Services online or get in touch with us directly. Stop by, drop us a line or give us a shout.

For all Indigenous learners, Northern offers a range of supports and activities specifically designed with you in mind. We invite you to complement your world view and traditional practices with a Northern College education. We can help you develop a career path that allows you to achieve your dreams and give back to your community.

By learning new skills in areas like health care, business, social and economic development, or technology and trades, you will add to your choices and be better equipped to walk your chosen path in a balanced, holistic way.

At Northern, you will discover many programs, services and people to offer support and direction along your journey. Northern College upholds fundamental values of strength, honesty, sharing and kindness. We are committed to responding to your choices and directions, ensuring the needs of you and your community are met.

Northern College provides many learning paths to match your needs. If you want to move ahead without leaving your community, we have many choices to help you study near and go far.

#### HERE, YOU HAVE ACCESS TO

- Indigenous advisors
- Peer tutoring
- Free Academic Upgrading with financial support for childcare and travel
- Traditional and cultural events, guest speakers, seminars, and sharing and healing circles
- Indigenous student lounges
- Health services and fitness centres
- Elders on Campus
- Summer orientation
- OSAP, bursaries, and emergency loans

#### INDIGENOUS CULTURAL SPACES

All of our campuses feature inspiring cultural spaces, including canvas tipis and Indigenous student lounges. Our Timmins Campus is home to Mamawi Kee-Kee-Nao, a unique permanent tipi with year-round access. These structures provide a space for gathering, healing and sharing. At Northern College, Indigenous perspectives are incorporated into the curriculum.

Northern College is guided by our Indigenous Council on Education, Elders and community leaders to ensure programs, services and activities are connected to culture and tradition. Healing and sharing circles, workshops, Indigenous student assemblies, Indigenous Student Advisors and traditional events and activities are all part of the Northern experience.

Begin your journey of self-discovery and personal growth at Northern College, and gain the confidence to soar.



# ALUMNI

Many benefits and opportunities await you as a registered alumnus of Northern College. The good news is you don't need to wait until you graduate to take advantage of the many perks available to members of the Northern College Alumni Association! When you start a program at Northern College, you'll become part of a growing global family of Northern College students and graduates, connecting and networking with classmates, community and industry partners through the many events hosted by the Alumni Association each year.

Employers around the globe contact our Alumni Association to inquire about the graduates from many of our programs. Once you become a registered alumnus, you can tap into this unadvertised job market through our employment opportunity e-blasts. You'll also have access to discounts on home and automotive insurance, hotels, car rentals, admission to tourist attractions and much more!

The Northern College Alumni Association hosts a variety of exciting student-focused events each year, and they're always there to help you out and answer any questions you may have about post-graduation opportunities.

**WE'LL HELP YOU PUT YOUR EDUCATION TO  
WORK RIGHT FROM THE START!**

**705.235.7210**

**NORTHERNCOLLEGEALUMNI@NORTHERN.ON.CA**



## MOVE RIGHT IN AND MAKE YOURSELF AT HOME!

### TIMMINS CAMPUS RESIDENCE

The Timmins Campus Residence offers safety, convenience and affordability. Oh, and it's seconds away from Porcupine Lake! Whether you are a social butterfly or a studious type, the Timmins Campus Residence will make you feel at home in no time. Capacity includes 103 single rooms, 12 suites and 4 double rooms.

#### EACH ROOM INCLUDES ...

- Private four-piece bathroom
- Bed, desk, chair, and lamp
- Closet and drawers
- Connections for telephone, cable and internet

The Timmins Campus Residence also offers a large, bright common kitchen with five cooking stations, laundry facilities, lounges with cable television and a games room. Living on campus means you have access to computer rooms and athletic facilities, a sauna, ball courts and Quill Lounge – the campus pub. Minutes from your doorstep you will find a mall with a grocery store, bank, hair salon and more. Within seconds of leaving your room, you can hit the nature trails around Porcupine Lake.

### HAILEYBURY CAMPUS RESIDENCE

The Haileybury Campus is home to a brand new privately owned and operated residence located in the scenic Rock Walk Park. Its 16 townhouse-style apartments were designed with accessibility in mind and can accommodate up to 64 students. Each apartment has four bedrooms, two bathrooms, a kitchen and living area as well as laundry facilities and storage. You will enjoy making new friends in your comfortable home away from home.

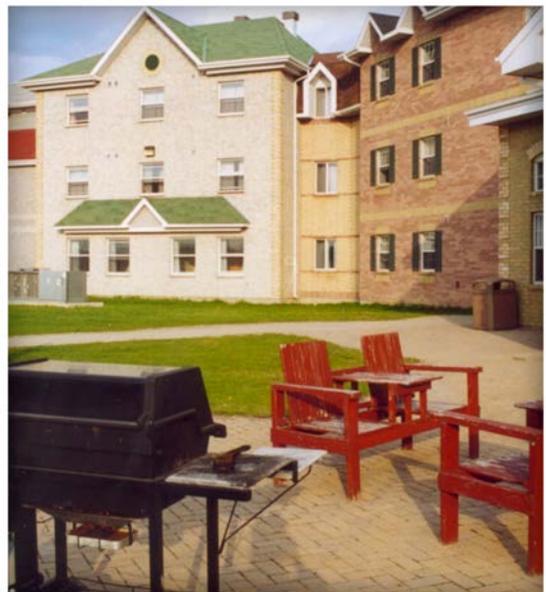
### OFF CAMPUS HOUSING

Prefer to live off-campus? An online housing registry with a list of apartments, rooms and other rental accommodations in our campus communities is available at [northernnc.on.ca](http://northernnc.on.ca)

### HOMESTAY PROGRAM

Northern College works with community members to provide a special housing service that matches students with a host or host family. Students have an opportunity to enjoy cultural, social, and recreational activities that are as varied as their hosts with the benefit of living in a supportive environment. Hosts vary from young families with children and pets, to couples with older children who no longer live at home, to single individuals. All hosts share an interest in helping students adjust to and learn about our way of life in northern Ontario.

For more information regarding any of the accommodation options available to you, please visit [northernnc.on.ca/housing](http://northernnc.on.ca/housing)



# FINANCES

## FINANCIAL ASSISTANCE

When you're hard at work to achieve your goals, your mind shouldn't be on money, but as a student, money really matters! The Northern College Foundation, with assistance from our many generous donors, has established bursaries to help students along their way to the top.

**NORTHERN AWARDS UP TO \$250K PER YEAR  
TO STUDENTS COLLEGE-WIDE**

For more information on bursaries, financial aid and student loans through the Ontario Student Assistance Program (OSAP) visit our website.

## OSAP ONLINE

Apply for OSAP and you could be eligible for 30% off your tuition.  
osap.gov.on.ca

The fees listed here are representative first-year tuition fees only. For an updated list of all fees, including basic tuition and non-tuition ancillary fees visit our website. Non-tuition ancillary fees include but are not limited to:

- Access copyright fee
- Athletic fee
- Convocation fee
- Equipment-technology fee
- Health Services fee
- Post admissions testing fee

## IMPORTANT LINKS

1.866.736.5877 or 1.705.235.7222 (Admissions)  
admissions@northern.on.ca  
northernc.on.ca

## REPRESENTATIVE FIRST YEAR TUITION FEES

FIRST-YEAR BASIC TUITION FEES  
BASED ON THE 2016/2017 YEAR

STANDARD POST-SECONDARY PROGRAMS	<b>\$2,849</b>
CIVIL ENGINEERING TECHNOLOGY	<b>\$4,274</b>
BACHELOR OF SCIENCE IN NURSING	<b>\$6,285</b>
PRE-SERVICE FIREFIGHTER	<b>\$11,930</b>
PRACTICAL NURSING	<b>\$3,562</b>
ENVIRONMENTAL TECHNICIAN WATER & WASTEWATER SYSTEMS OPERATIONS	<b>\$3,799</b>
PARAMEDIC BRIDGING	<b>\$4,274</b>
MEDICAL LABORATORY TECHNICIAN	<b>\$4,274</b>
MOTIVE POWER TECHNICIAN - AUTOMOTIVE SERVICES	<b>\$5,699</b>

**HOW TO APPLY**

Applicants to Northern College (and all Ontario colleges of applied arts and technology) must submit an application form and are encouraged to do so online at **ONTARIOCOLLEGES.CA** (OCAS).

OCAS receives and records applications and student responses to college offers of admission. The non-refundable application fee of \$95.00 (subject to change) must accompany the application. Your application will not be processed by [ontariocolleges.ca](http://ontariocolleges.ca) unless the application fee has been paid to [ontariocolleges.ca](http://ontariocolleges.ca)

Ontario secondary school students whose schools have registered for the online application service may apply to college online. If an applicant's school has not registered for this service, they must apply by telephone to [ontariocolleges.ca](http://ontariocolleges.ca) at 1.888.892.2228. Non post-secondary applicants may apply online or by telephone toll free at 1.888.892.2228.

For post-secondary programs beginning in September, applications received through [ontariocolleges.ca](http://ontariocolleges.ca) by February 1st will receive equal consideration. Qualifying applications received after that date will be considered on a first-come, first-served basis prioritized by their academic standing until no vacancies remain in the program in question.

**CONFIRMATIONS**

An applicant may accept only one offer of admission by May 1st. Applicants may confirm their offer of admission online at [ontariocolleges.ca](http://ontariocolleges.ca). Applicants who do not want to confirm online may call [ontariocolleges.ca](http://ontariocolleges.ca)'s Customer Contact Centre at 1.888.892.2228 (Canada) to confirm. For further information visit our website or if you have any questions contact Northern College's Admissions Office at 705.235.7222 or [admissions@northern.on.ca](mailto:admissions@northern.on.ca)

**VISIT [NORTHERNC.ON.CA](http://NORTHERNC.ON.CA) FOR MORE INFORMATION ON THE FOLLOWING:**

- Priority for admission
- Highly competitive programs
- Mature applicants
- International applicants
- Sponsored applicants
- Part-time students
- Registration procedures
- Receipts
- Transcripts
- Advanced standing
- Transfer credits and course exemptions
- Prior learning assessment

# APPRENTICESHIPS AND DISTANCE

## APPRENTICESHIP PROGRAMS

An apprentice is someone who learns a skilled trade on the job under the direction of more experienced workers. Apprentices are employees who earn a salary while they learn. They also complete classroom instruction offered at a community college as part of their training.

The duties of an apprentice become more complex as their skills improve. Upon successful completion of the trade requirements, apprentices earn a Certificate of Apprenticeship or a Certificate of Qualification (ticket) that allows them to work on their own.

Most apprenticeships take two to five years to complete, with an average of 90% of the apprentice's time spent in the workplace.

- Construction and Maintenance Electrician
- General Carpenter
- Heavy Duty Equipment Technician
- Industrial Millwright Mechanic

... AND MORE!

Becoming an apprentice can be an important first step to learning new skills and building a rewarding career. Jobs in the skilled trades pay well, are interesting and challenging, and are in high demand in many industries.

**GET IN TOUCH WITH US TO FIND OUT HOW TO  
BECOME AN APPRENTICE!**

Also, check out our Northern Training Division for other industrial training options! (SEE PAGE 64)

## DISTANCE LEARNING

Maybe you are thinking about going back to school to get ahead. Maybe you are looking for the opportunity to earn while you learn. Maybe you are doing something amazing like traveling or raising a family.

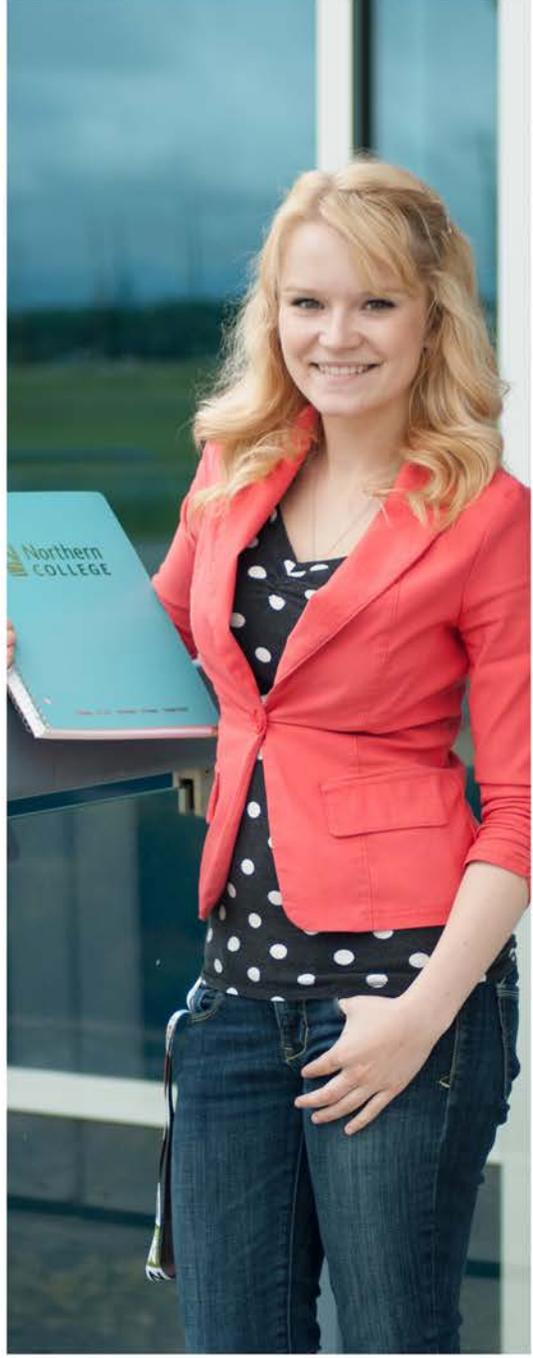
Whatever you're doing, wherever you are, whatever you want to be, wherever you want to go - make your education go the distance!

Distance Learning with Northern College means that you can learn from where you are today and develop the skills for where you want to be tomorrow. We offer various modes of delivery including correspondence, video, and web-based courses.

- A range of certificate and diploma courses and programs are available through correspondence, online or blended delivery
- Flexible options to meet your needs
- Tutor and faculty support
- Study independently from home or at one of more than 94 Contact North/Contact Nord sites located conveniently throughout Ontario, including Northern College campuses
- Study online through OntarioLearn, a network of community Colleges that develops and delivers hundreds of web-based certificate and diploma courses and programs

For complete information on distance learning courses, programs, admission requirements and registration, check out our website.

# BUSINESS AND OFFICE ADMINISTRATION



## SCHOOL OF BUSINESS AND OFFICE ADMINISTRATION

Are you a creative type with strong critical and analytical thinking skills? Then you could have a bright future ahead of you in the world of business!

Our School of Business and Office Administration can provide you with a well-rounded education that covers a spectrum of key topics that can lead to a rewarding career in business, from commerce to accounting, human resources to marketing.

Many of our two and three-year Business programs share a common first year, also known as our one-year Business Fundamentals certificate program. That means you can decide what you'd like to specialize in after you've had a taste of our various programming options.

Graduates of our diploma and advanced-diploma level Business and Office Administration programs can take advantage of an expanding list of transfer agreements with colleges and universities in Ontario and beyond, providing ample opportunity for further education.

### PROGRAMS

- Business Fundamentals
- Business - General
- Business - Accounting
- Business - Marketing
- Business Administration - General
- Business Administration - Accounting
- Business Administration - Human Resource Management
- Business Administration - Information Systems
- Law Clerk
- Office Administration - General
- Office Administration - Executive

## BUSINESS FUNDAMENTALS

### TWO ACADEMIC SEMESTERS [CERTIFICATE]

Get a solid start to your career with a well-rounded introduction to marketing, accounting, computer skills, business math, human resource management and other business fundamentals. This program leads to a huge range of specialization and employment options, and with start dates in both September and January, you can start learning when it's best for you.

### ALL CAMPUS LOCATIONS

Business Fundamentals forms the first year of our two year Business Accounting, Business (General), and Business Marketing programs, as well as our three year Business Administration, Business Administration – Accounting, and Business Administration – Human Resource Management programs.

ALSO AVAILABLE VIA DISTANCE LEARNING

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing

## BUSINESS - GENERAL

### FOUR ACADEMIC SEMESTERS [DIPLOMA]

This flexible two-year program is built upon our Business Fundamentals certificate program, providing additional in-depth general business knowledge. This combination of determined and elective courses in the areas of accounting, business, marketing and human resource management will boost your employability and business acumen.

### KIRKLAND LAKE, MOOSONEE AND TIMMINS

Graduates may proceed to employment, or the third year of our Business Administration – General program. However, with this diploma, graduates are able to obtain occupations within the government sector or with a small business.

ALSO AVAILABLE VIA DISTANCE LEARNING

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing

## BUSINESS - ACCOUNTING

FOUR ACADEMIC SEMESTERS **[DIPLOMA]**

This program can help you deepen your knowledge of accounting, practicing accounting procedures using both manual and computerized accounting software programs. Your ability to understand the bigger business picture beyond the accounting and financial area is enhanced by courses such as economics, business law, finance and databases.

**HAILEYBURY, KIRKLAND LAKE AND TIMMINS**

Pathways open to college accounting students are evolving given the emergence of a unified accounting professional body, the Chartered Professional Accountants (CPA), and their new, emerging credential – the Advanced Certificate in Accounting and Finance (ACAF).

ALSO AVAILABLE VIA **DISTANCE LEARNING**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing

## BUSINESS - MARKETING

FOUR ACADEMIC SEMESTERS **[DIPLOMA]**

Develop a solid foundation in marketing, learning to apply marketing strategies that identify business opportunities, drive sales, and inspire excitement and demand from your customers. Sharing its first year with our Business Fundamentals certificate program, this two-year program will teach you to create persuasive promotional campaigns, and develop

**TIMMINS**

effective pricing, packaging and distribution strategies for businesses and non-profit organizations. Through group projects and individual work, you'll grow your analytical and creative abilities to research, create, communicate, sell and deliver offerings that have value for customers.

ALSO AVAILABLE VIA **DISTANCE LEARNING**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing

## BUSINESS ADMINISTRATION - GENERAL

SIX ACADEMIC SEMESTERS **[ADVANCED DIPLOMA]**

Business Administration graduates are generalists with selected specialized skills that can lead to success in general management, accounting, marketing, and human resources. Learn to research, analyze and synthesize information, solve problems and make effective business decisions. Our graduates are team workers, effective communicators, and

**TIMMINS**

problem solvers that are skilled in the use of computer software. A five-week placement in your final semester will boost your leadership capability, technical competence and employability.

**ALSO AVAILABLE VIA DISTANCE LEARNING**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing

## BUSINESS ADMINISTRATION - ACCOUNTING

SIX ACADEMIC SEMESTERS **[ADVANCED DIPLOMA]**

With three years of in-depth study of accounting and financial management, this program will provide you with a strong accounting proficiency and the ability to work productively in a variety of accounting and financial management areas, including the use of accounting software packages. The accounting competency of graduates from this program is well recognized by employers. A five-week placement

**TIMMINS**

in your final semester will boost your leadership capability, technical competence and employability. Graduates can obtain occupations with entry-level accounting in accounting firms, private business, non-profits, and/or the government sector.

**ALSO AVAILABLE VIA DISTANCE LEARNING**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing

## BUSINESS ADMINISTRATION - HUMAN RESOURCE MANAGEMENT

SIX ACADEMIC SEMESTERS **[ADVANCED DIPLOMA]**

**TIMMINS**

Deal with diverse and often complex matters, helping your employers manage the opportunities and risks associated with today's challenging business and legislative environment. You'll start with a strong foundation in Business Fundamentals during first year, and then move on to two years of specialized human resource management content. Learn the relevant, current and in-demand skills needed

to optimize the potential of employees, while maximizing your organizations effectiveness. A five-week placement during your final semester will boost your leadership capability, technical competence and employability.

**ALSO AVAILABLE VIA DISTANCE LEARNING**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing

## BUSINESS ADMINISTRATION - INFORMATION SYSTEMS

SIX ACADEMIC SEMESTERS **[ADVANCED DIPLOMA]**

**KIRKLAND LAKE AND TIMMINS**

As our reliance on technology continues to expand, those who understand business and how to capitalize on the use of technology are in high demand. This specialized program is similar to earning a double diploma in business and computer technology and covers information management and systems development by blending courses from business

and computer studies to help you develop a wide range of skills. Knowledge gained in areas such as accounting, economics and organizational behavior coupled with subjects like networking, programming, and security can help position you as a versatile, adaptable professional.

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing

## LAW CLERK

### FOUR ACADEMIC SEMESTERS [DIPLOMA]

Open the door to a career involving interesting, varied and responsible tasks that use your professional communications skills and knowledge of legal processes. Acquire a solid and rounded understanding of the general principles of the common fields of law while building the specific skills to be an effective and efficient contributor to

### HAILEYBURY

any law office. Learn by doing what you'll do on the job, with lawyers, law clerks and other professionals teaching you use the most common software found in legal practices today, helping you to master current procedures and processes.

ALSO AVAILABLE VIA [DISTANCE LEARNING](#)

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Mature students may be admitted after testing
- Computer credit or equivalent. **RECOMMENDED, NOT REQUIRED.**

## OFFICE ADMINISTRATION - GENERAL

### TWO ACADEMIC SEMESTERS [CERTIFICATE]

If you are organized, pay close attention to detail and enjoy structure, then a career in office administration could be ideal for you. Office administrators provide effective clerical and organizing support that keeps their organization running smoothly. Use current business software and learn how to perform office support tasks, like front line reception, document

### ALL CAMPUS LOCATIONS

preparation, filing, arranging business meetings, preparing minutes and record keeping. Gain both the skills and confidence to work as a qualified office assistant, while earning hands-on experience during a two-week placement with a local employer.

ALSO AVAILABLE VIA [DISTANCE LEARNING](#)

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 11 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing

## OFFICE ADMINISTRATION - EXECUTIVE

FOUR ACADEMIC SEMESTERS **[DIPLOMA]**

Built upon our Office Administration (General) certificate program, this two-year diploma program can lead to careers with additional challenge and responsibility. Develop additional essential office skills, including time management and organization, travel arrangements, coordinating meetings, planning events, and taking and transcribing minutes. Learn to represent your employer professionally in person

**HAILEYBURY, KIRKLAND LAKE AND TIMMINS**

or in verbal and written communications, and to work comfortably and proficiently with a variety of software tools. You'll even earn hands-on experience during a one-day-per-week placement in your second semester.

**ALSO AVAILABLE VIA DISTANCE LEARNING**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 11 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing



# COMMUNITY SERVICES



## SCHOOL OF COMMUNITY SERVICES

Are you driven by a desire to help the people in your community? Whether you're interested in providing support to families in crisis situations or individuals suffering from drug addiction, or want to have an impact on the daily lives of children or people with developmental disabilities, we have programming options that can help you achieve your goals.

All programs in our School of Community Services include practical learning components, where you'll gain hands-on experience working with real people in your community. And with a variety of transfer agreements with colleges and universities in Ontario and beyond, there's no shortage of fulfilling educational and career paths for you after graduation.

### PROGRAMS

- Addictions Counsellor
- Early Childhood Education
- Social Service Worker

## ADDICTIONS COUNSELLOR

TWO ACADEMIC SEMESTERS **[GRADUATE CERTIFICATE]**

**KIRKLAND LAKE**

Apply your background in Community Services or Health Sciences while gaining specialized knowledge and skills in the area of addictions counselling. This program will provide you with innovative and rigorous addiction specific content. Opportunities for practical experience are available during the addiction treatment approaches practice lab and the

fieldwork placement component of the program. From there, graduates can move on to work within community service agencies, health care facilities, residential programs and/or corrections.

**ALSO AVAILABLE VIA DISTANCE LEARNING**

### ADMISSION REQUIREMENTS

- Ontario Graduate Certificate Program
- Prior post-secondary program completion required in Social Sciences, Health Sciences or Community Services. Mature students must undergo English-language comprehension and grammar testing prior to admission into this program and demonstrate through a prior learning assessment (PLA) process equivalency with the admission requirements.
- Computer proficiency. **RECOMMENDED, NOT REQUIRED.**

## EARLY CHILDHOOD EDUCATION

FOUR ACADEMIC SEMESTERS **[DIPLOMA]**

**KIRKLAND LAKE AND TIMMINS**

Help children meet their full potential! Early childhood educators are a part of a multidisciplinary team that assists children in transitioning and integrating into the school system. This program will help you research, plan, carry out, and evaluate a range of program and curriculum activities designed to help children adjust and develop in school. A

distinct feature of the program is the opportunity it offers students to gain practical work experience in a variety of settings, including day care centres, nursery schools, parent resource centres, toy-lending libraries, kindergartens, and before and after school programs throughout the community.

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Mature students may be admitted after testing
- Minimum 60% GPA required in English course
- Computer proficiency. **RECOMMENDED, NOT REQUIRED.**

## SOCIAL SERVICE WORKER

### FOUR ACADEMIC SEMESTERS [DIPLOMA]

Social Service Workers focus on promoting equality and helping people through stressful events in their lives. Through this program you will learn how to intervene in crisis situations and develop skills to assist clients, groups, families, and communities

### ALL CAMPUS LOCATIONS

to overcome challenges and enhance their social functioning. Clinical practice, labs and field placements provide you with practical experience.

ALSO AVAILABLE VIA DISTANCE LEARNING

### ADMISSION REQUIREMENTS

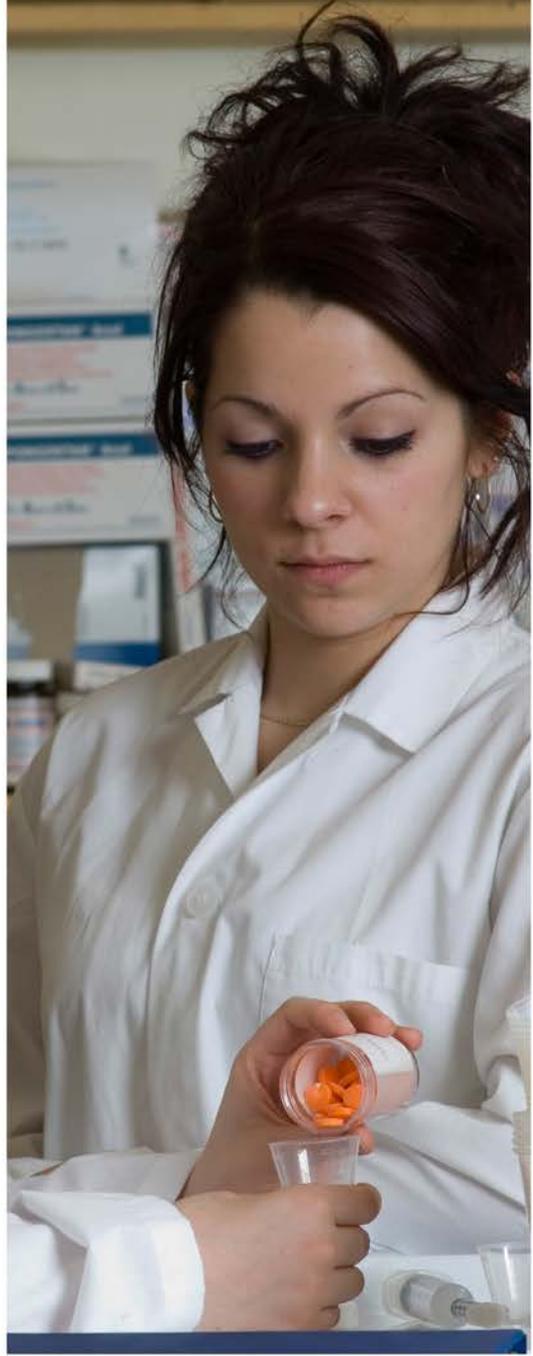
- Grade 12 English (C, U or equivalent)
- Mature students may be admitted after testing
- Minimum 60% GPA required in English course
- Computer proficiency. RECOMMENDED, NOT REQUIRED.

### PATHWAY

Graduates of Northern College's Social Service Worker program may receive advanced standing in Algoma University's Bachelor of Social Work, Bachelor of Arts in Psychology, Sociology or Community Development.



# HEALTH SCIENCES AND EMERGENCY SERVICES



## SCHOOL OF HEALTH SCIENCES AND EMERGENCY SERVICES

Combine your passion for the welfare of others with rigorous scientific knowledge, allowing you to provide top-quality services that encompass all aspects of mental, physical and spiritual health. Our School of Health Sciences and Emergency Services programs provide a potent mix of arts and science courses, ensuring that you'll be well-equipped to provide thorough, compassionate care.

All of our School of Health Sciences and Emergency Services programs allow you to earn vital hands-on experience in the classroom or during clinical placements, allowing you to graduate and enter the workforce assured that you have the skills to excel.

### PROGRAMS

- Bachelor of Science in Nursing
- Esthetician - Spa Management
- Massage Therapy
- Medical Laboratory Technician
- Occupational Therapist Assistant/Physiotherapist Assistant
- Paramedic
- Personal Support Worker
- Police Foundations
- Paramedic Bridging
- Pre-Service Firefighter Education and Training
- Practical Nursing
- Pre-Health Sciences Pathway to Advanced Diploma and Degrees

## BACHELOR OF SCIENCE IN NURSING

### EIGHT ACADEMIC SEMESTERS [DEGREE]

Nursing is a profession that provides opportunities for specialization, team work, leadership and personal growth. Our BScN program will provide you with the opportunity to learn and practice your skills in state-of-the-art facilities equipped with the latest simulation technology that will assist in preparing you for real-life medical situations. The East End Family

### KIRKLAND LAKE AND TIMMINS

Health Team clinic, located at our Timmins Campus, offers nursing students first-hand, community-based experience while working within an interdisciplinary health care team.

**THIS PROGRAM IS HIGHLY COMPETITIVE.**

### ADMISSION REQUIREMENTS

- 6 - 4U credits - of which 4 of the 4U credits must be: Biology, Chemistry, Math and English & 2 elective credits must be 4U or 4M
- Mature students may be admitted after testing
- Minimum 75% average achievement over all 6 - 4U credits

### PATHWAY

Northern College's Pre-Health program will provide all admission requirements if successfully completed with a minimum 3.0 GPA

## ESTHETICIAN – SPA MANAGEMENT

### FOUR ACADEMIC SEMESTERS [DIPLOMA]

You'll learn the fundamentals of business writing, sales and presentation strategies, retail buying, spa finance and day-to-day spa management. Spa and esthetician courses will focus on nail care technologies, facials, waxing, microdermabrasion, chemical peels, cosmetic applications, product knowledge and body treatments, including hot

### KIRKLAND LAKE

stone massage and aromatherapy. Through the Spa@Northern lab, you'll gain hands-on experience in client services, sterilization and sanitation, and front line administrative work while practicing and perfecting manicures, pedicures, facials, eyelash and brow tinting, as well as body treatments.

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Three (3) Grade 11 or Grade 12 C, U or M courses in addition

## MESSAGE THERAPY

COMPRESSED TWO-YEARS **[ADVANCED DIPLOMA]**

**KIRKLAND LAKE**

Your future is in good hands with Northern. Our compressed program lets you graduate in two years instead of three which means you can get out into the work force that much quicker. At Northern College, you'll work directly with clients and Registered Massage Therapists while learning. Clinical placement and community outreach will give

you a well-rounded, real-world experience. You'll also train with industry professionals in our brand new state-of-the-art lab and get the theory and hands-on experience you need to achieve RMT certification.

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 11 or 12 Biology (C, U or equivalent) or Grade 12 Exercise Science (PSE4U)
- One additional science course (Grade 11 or 12 Chemistry, Grade 11 or 12 Physics, or Grade 12 Exercise Science)
- Minimum 60% in C or U level courses
- OSSD curriculum requires a 70% GPA

## MEDICAL LABORATORY TECHNICIAN

TWO ACADEMIC SEMESTERS **[CERTIFICATE]**

**TIMMINS**

Lab technicians play an important role in a health care team. From learning theory to working in simulated labs and an on-site medical laboratory, you will gain hands-on experience, knowledge and training. You will gain said experience and knowledge in specimen collection and processing, how to use medical laboratory equipment and develop soft skills to help you become a part of a

professional health care team. Graduates are encouraged to register with Ontario Society of Medical Laboratory Technologists in order to obtain employment as a laboratory technician in Ontario. Any costs/exams for this registration process are the responsibility of the applicant.

**THIS PROGRAM IS HIGHLY COMPETITIVE.**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 11 Mathematics (C, M, U or equivalent)
- Grade 11 or 12 Biology (C, U or equivalent)
- Grade 11 or 12 Chemistry (C, U or equivalent)
- Mature students may be admitted after testing

### PATHWAY

Northern College's Pre-Health program will provide all admission requirements if successfully completed with a minimum 3.0 GPA

## OCCUPATIONAL THERAPY ASSISTANT/PHYSIOTHERAPIST ASSISTANT

### FOUR ACADEMIC SEMESTERS [DIPLOMA]

Assist individuals with a range of physical, emotional or developmental health challenges to lead a fuller, more independent life. Working directly with Physiotherapists or Occupational Therapists, you will aid in the delivery of rehabilitation treatment plans/

### TIMMINS

programs for individuals who have been impaired by injury, illness, aging or disability. Graduates can find employment at health clinics, rehabilitation centres, with sports teams, and many other options.

### ADMISSION REQUIREMENTS

- Ontario Secondary School Diploma or Mature Student Status
- Grade 12 English (C, M or U) Grade 11 or 12 biology (C, M or U)
- Two additional senior level subjects

## PARAMEDIC

### FOUR ACADEMIC SEMESTERS [DIPLOMA]

This is where humanities and the sciences come together. This program provides you with the skills and knowledge to prepare you to perform as a member of an interdisciplinary health care team and deliver emergency care in the pre-hospital setting. Interactive clinical labs and field placements allow you to turn theory into practice and because this

### MOOSONEE AND TIMMINS

profession requires a certain level of fitness, you get a free pass to the campus gym!

**THIS PROGRAM IS HIGHLY COMPETITIVE.**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 11 Mathematics (C, M, U or equivalent)
- Grade 11 or 12 Biology (C, U or equivalent)
- Grade 11 or 12 Chemistry (C, U or equivalent)
- Minimum 70% in C level and 60% in U level courses

### PATHWAY

Northern College's Pre-Health program will provide all admission requirements if successfully completed with a minimum 3.0 GPA

## PERSONAL SUPPORT WORKER

TWO ACADEMIC SEMESTERS **[CERTIFICATE]**

The Personal Support Worker program consists of theory and clinical practice in both institutional and community settings. This program can prepare you to be able to deliver personal care and assist

**HAILEYBURY, KIRKLAND LAKE AND TIMMINS**

clients with routine activities of daily living and home management services by following care and service plans, and established policies and procedures.

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Mature students may be admitted after testing

## POLICE FOUNDATIONS

FOUR ACADEMIC SEMESTERS **[DIPLOMA]**

The Police Foundations program offers excellent pre-employment academic instruction for those interested in a career in public law enforcement or security. Our qualified instructors strive to physically prepare students for the day-to-day demands faced by police officers. Just as importantly, students are prepared mentally by a rigorous program designed

**KIRKLAND LAKE AND TIMMINS**

to hone critical thinking skills. You will be taught how to assess critical situations and crime scenes and how to use communication skills as a law enforcement officer. This program is designed to assist students in preparing for the Constable Selection Process and the Police Qualifying Examination.

**ALSO AVAILABLE VIA DISTANCE LEARNING**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Mature students may be admitted after testing
- Criminal Record and Vulnerable Sector check may be required to complete required volunteer work (cost incurred by applicant)

## PARAMEDIC BRIDGING

### COMPRESSED ONE-YEAR [DIPLOMA]

If you are a graduate of a Pre-Service Firefighter Education and Training program, you can bridge into the two-year Primary Care Paramedic program and complete an additional diploma in just three semesters. In-class learning, focusing on the biological sciences, humanities and pre-hospital care provides the theoretical basis for interventions required to deal with medical or trauma emergencies.

### TIMMINS

The Paramedic Bridging course allows students to obtain a certificate and diploma, as well as several career paths within a two year period.

**THIS PROGRAM IS HIGHLY COMPETITIVE.**

### ADMISSION REQUIREMENTS

- Must be a graduate of the Pre-Service Firefighter program
- Grade 11 Mathematics (C, M, U or equivalent)
- Grade 11 or 12 Chemistry (C, U or equivalent)
- Grade 11 or 12 Biology (C, U or equivalent)
- Minimum 70% in C level and 60% in U level courses



## PRE-SERVICE FIREFIGHTER EDUCATION AND TRAINING

### ONE FULL YEAR [CERTIFICATE]

The Pre-Service Firefighter Education and Training program can prepare you for an exciting career in firefighting. Our campus features a live burn training facility to give you hands-on experience to develop essential firefighting skills. This program provides you with the required knowledge and abilities through vocational courses in firefighting, generic skills and general education courses in order to enhance job performance as a firefighter. You'll have the opportunity to combine theory and hands-on skills through labs and field placements.

### TIMMINS

This program is recognized by the Canadian Forces Fire Academy (CFFA) as meeting the training requirements for the Canadian Armed Forces (CAF) Firefighter (Apprentice Level). Graduates from our institution who wish to join the Canadian Armed Forces may receive advanced standing upon enlisting.

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 11 or 12 Math (C, M , U or equivalent)
- Grade 11 or 12 Chemistry (C, U or equivalent)
- Grade 11 or 12 Biology (C, U or equivalent)
- Grade 12 Math. **RECOMMENDED, NOT REQUIRED.**

### PATHWAY

As a graduate of a Pre-Service Firefighter program, you can bridge into the two-year Paramedic program and complete an additional diploma in just three semesters.





## PRACTICAL NURSING

### FOUR ACADEMIC SEMESTERS [DIPLOMA]

Be at the heart of health-care. This program will equip you with the skills you will need to play an integral part in health care by planning, implementing, and evaluating outcomes-based

### TIMMINS

nursing care, services and programs that promote health and rehabilitation, prevent injury and disease, maintain and restore health, and provide palliation.

**THIS PROGRAM IS HIGHLY COMPETITIVE.**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 11 Mathematics (C, M, U or equivalent)
- Grade 11 or 12 Biology (C, U or equivalent)
- Grade 11 or 12 Chemistry (C, U or equivalent)
- Minimum 65% GPA required in each pre-requisite course

### PATHWAY

Northern College's Pre-Health program will provide all admission requirements if successfully completed with a minimum 3.0 GPA

Our signature Practical Nursing program has been designed to teach you the dynamics of care and encourages interdisciplinary cooperation. At Northern, you'll train in cutting-edge labs using high-fidelity simulation equipment and take part in clinical during your very first year. You'll receive plenty of hands-on experience and gain the skills and confidence you need to excel at the bedside with real patients. Many of the faculty members are nurses and nurse practitioners who are dedicated to the profession and to their students.

The Practical Nursing program will equip you with the skills you need to play an integral role in health care. You'll develop the skills to work with individuals and families to plan, implement and evaluate outcome-based nursing care, services and programs that

promote health and rehabilitation, prevent injury and disease, maintain and restore health, and provide palliation.

In 2013, Northern College's Practical Nursing and Personal Support Worker Program Coordinator and Bachelor of Science in Nursing and Practical Nursing Professor, Mireille Walsh, was awarded the Canadian Association of Practical Nurse Educators Innovation in Practical Nursing Award.

Walsh received the award in recognition of her work in developing over 30 simulation scenarios for Practical Nursing students. Our Practical Nursing program makes extensive use of simulation training, providing you with hands-on training for real-world health care scenarios right in the classroom.

## PRE-HEALTH SCIENCES

### TWO ACADEMIC SEMESTERS [CERTIFICATE]

The Pre-Health Sciences program can provide you with the opportunity to study subject areas relevant to health career programs at Northern College and affiliate partners and to instill an appreciation of the professional roles, responsibilities and academic requirements of health care disciplines. The goal of the program is to prepare individuals for their chosen

### MOOSONEE AND TIMMINS

health career program. Completing both semesters will provide the prerequisites for entry into the Bachelor of Science in Nursing, Practical Nursing, and Paramedic programs.

**THIS PROGRAM IS HIGHLY COMPETITIVE.**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 11 Mathematics (C, M, U or equivalent)
- Minimum 65% GPA required in each pre-requisite course



# VETERINARY SCIENCES



## SCHOOL OF VETERINARY SCIENCES

If you have a deep love for animals and a keen interest in science, our School of Veterinary Sciences offers a range of programming that can help you provide exceptional care for domestic, laboratory and farm animals. All of our programs provide plenty of hands-on experience in the classroom, where you'll provide care for animals in preparation for their adoption at the end of each school year.

Our renowned School of Veterinary Sciences is housed in our Veterinary Sciences Centre, a 10,000 square-foot facility that features state-of-the-art labs and equipment, on-site animal colonies, animal grooming facilities, diagnostic and imaging equipment, and a surgery suite.

### PROGRAMS

- Animal Grooming
- Veterinary Assistant
- Veterinary Technician
- Veterinary Technology - Wildlife Rehabilitation
- Companion Animal Physical Rehabilitation

## ANIMAL GROOMING

TWO ACADEMIC SEMESTERS **[CERTIFICATE]**

If you love working hands-on with dogs and cats, our animal grooming program will give you lots of experience doing just that! Through theory and practical experience you will learn about the health and wellness needs of animals and gain the skills needed to work as a companion animal groomer in a veterinary clinic, or to manage your own business.

**HAILEYBURY**

You may take this program concurrently with our Veterinary Assistant program and graduate with a double certificate.

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U, E or equivalent)
- Mature students may be admitted after testing
- Rabies vaccine required
- Proficiency in word processing. **RECOMMENDED, NOT REQUIRED.**

## VETERINARY ASSISTANT

TWO ACADEMIC SEMESTERS **[CERTIFICATE]**

You'll enjoy hands-on work with animals while learning the key role that you'll play in clinics. Supporting the work of both veterinarians and veterinary technicians by providing basic care, preparing for surgical procedures, assisting with standard laboratory work, communicating with owners and helping the clinic run smoothly.

**HAILEYBURY**

If space permits, you may take this program concurrently with our Animal Grooming program and graduate with a double certificate.

**THIS PROGRAM IS HIGHLY COMPETITIVE.**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U, E or equivalent)
- Grade 11 Biology (C, U or equivalent)
- Rabies vaccine and titre required (cost incurred by student)
- Proficiency in word processing. **RECOMMENDED, NOT REQUIRED.**



## VETERINARY TECHNICIAN

FOUR ACADEMIC SEMESTERS [DIPLOMA]

HAILEYBURY

Become a valued part of any veterinary team! You will get to work a lot with the animals in our care, developing your abilities to perform basic examinations, collect vital signs data, do laboratory work, administer medications and prepare pharmaceuticals as prescribed by a veterinarian. Your learning takes place in our modern well-equipped

veterinary science centre, with lots of personal interaction with your professors and the animals building your competence and confidence for your work placement and entry to the work force.

**THIS PROGRAM IS HIGHLY COMPETITIVE.**

### ADMISSION REQUIREMENTS

- Grade 12 English, Math and Chemistry (C, U or equivalent)
- Grade 11 Biology (C, U or equivalent)
- Minimum 60% GPA required in each prerequisite course.
- Rabies vaccine and titre required (cost incurred by student).
- Proficiency in word processing. **RECOMMENDED, NOT REQUIRED.**

### PATHWAY

Graduates who have successfully completed the Veterinary Technician program may advance onto and obtain a graduate certificate in the Companion Animal Physical Rehabilitation program.

In our Veterinary Technician program, you'll have plenty of opportunity for hands-on work with domestic, laboratory and farm animals. Each year, our School of Veterinary Sciences receives companion animals from shelters. Throughout the year, students work with these animals to rehabilitate, socialize and prepare them for adoption. Because of the hard work of our students and faculty, these pets enjoy a higher success rate in their new house.

Our Veterinary Technician program will prepare you to play an integral role in veterinary practices, research facilities or related industries. You'll work with experienced professionals, learning to perform basic examinations, administer medications and prepare pharmaceuticals as prescribed by a veterinarian. You'll also explore anesthesia, animal nursing, surgical assistance, dental prophylactic procedures, and diagnostic laboratory work and tests.

This program also covers veterinary practice management skills including computer applications, recognizing behavioral signs of small animals and educating and counseling clients in the area of pet nutrition. At the end of your two years of study, you'll have the knowledge and experience you need to prepare for the Ontario Association of Veterinary Technicians exam.

Students who have completed the two-year Veterinary Technician program are eligible to continue on to a third year in Veterinary Technology – Wildlife Rehabilitation, the only program of its kind in Canada. Graduates may also be eligible to continue on to a third year in Companion Animal Physical Rehabilitation and obtain a graduate certificate.

## VETERINARY TECHNOLOGY – WILDLIFE REHABILITATION

SIX ACADEMIC SEMESTERS **[ADVANCED DIPLOMA]**

**HAILEYBURY**

This program builds upon our two-year Veterinary Technician program, adding a third year that is focused providing the skills needed to reduce mortality and suffering in wild animals that are orphaned, injured and ill. Sharpen your professional

animal nursing skills and scientific knowledge, while developing communication and leadership skills that will be helpful in a range of settings, from veterinary clinics to non-profit organizations.

**THIS PROGRAM IS HIGHLY COMPETITIVE.**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Minimum 60% GPA required in each prerequisite course
- Rabies vaccine and titre required (cost incurred by student)
- Proficiency in word processing. **RECOMMENDED, NOT REQUIRED.**
- Grade 11 Biology (C, U or equivalent)
- Grade 12 Chemistry (C, U or equivalent)

## COMPANION ANIMAL PHYSICAL REHABILITATION

TWO ACADEMIC SEMESTERS **[GRADUATE CERTIFICATE]**

**HAILEYBURY**

Add to your Veterinary Technician diploma by acquiring the specific knowledge and skills needed to provide companion animal physical rehabilitation. Learn several modes of physical rehabilitation that can help “furry family members” recover more fully

and quickly from injury, allowing them to live life to the fullest with minimal pain and discomfort. Physical rehabilitation is becoming part of everyday veterinary medicine, and this program can help you to provide this specialized care to clients in clinical setting.

### ADMISSION REQUIREMENTS

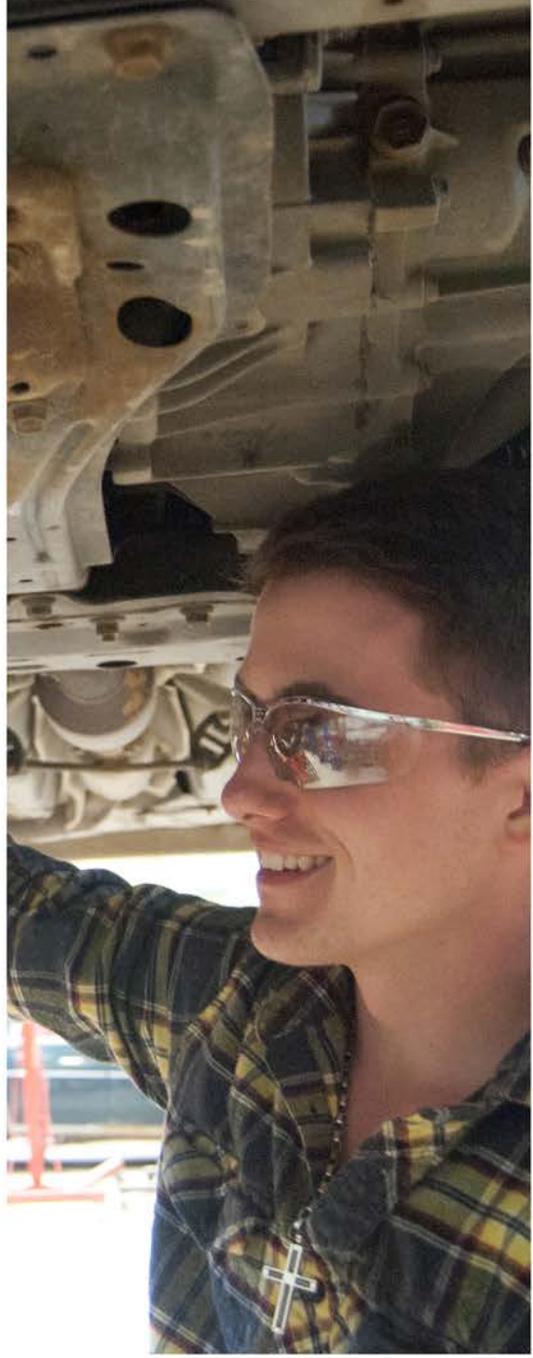
- Rabies vaccine and titre required (cost incurred by student)
- Proficiency in word processing. **RECOMMENDED, NOT REQUIRED.**

### PATHWAY

Graduate Certificate program - must have successfully completed a Veterinary Technician program to gain admission to the program



# ENGINEERING TECHNOLOGY AND TRADES



## SCHOOL OF ENGINEERING TECHNOLOGY AND TRADES

Earn the winning combination of extensive technical knowledge complimented by well-developed hands-on skills. Our School of Engineering Technology and Trades offers programming that can lead to careers in a wide range of industries, from mining to manufacturing to automotive, and anywhere in between.

Develop your skills in our comprehensive suite of labs and workshops, including our innovative multi-trade shop at the Timmins Campus Centre of Excellence for Trades and Technology. Our facilities are equipped with a huge range of industry-standard equipment, providing you with hands-on experience using the same tools that you'll find in the workplace.

### PROGRAMS

- Civil Engineering Technology
- Computer Engineering Technician
- Construction Engineering Technician - Building Management
- Electrical Engineering Technician
- Electrical Engineering Technology
- Environmental Technician - Water and Wastewater Systems Operations
- Heavy Equipment Techniques
- Instrumentation & Control Engineering Technician
- Mechanical Engineering Technician
- Mining Engineering Technician
- Mechanical Techniques - Industrial Millwright
- Mechanical Technician - Industrial Millwright
- Motive Power Technician - Automotive Service
- Motive Power Technician - Heavy Equipment
- Pre-Technology

## CIVIL ENGINEERING TECHNOLOGY

### COMPRESSED FOUR ACADEMIC SEMESTERS [ADVANCED DIPLOMA]

Our compressed program gives you everything you need to graduate as a Civil Engineering Technologist in two years instead of three! As a student you will have the opportunity to learn how to draw, design and inspect structures in buildings and highways, perform tests on soils and concrete, and survey using

### TIMMINS

the latest equipment. Graduates of this program may be eligible to enroll in the Civil Engineering degree program at Lakehead University or the McMaster-Mohawk Civil Engineering Infrastructure Technology program.

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing
- MCT4C preferred; minimum 60% GPA required for MAP4C
- SPH 4C (Grade 12 Physics). **RECOMMENDED, NOT REQUIRED.**

## COMPUTER ENGINEERING TECHNICIAN

### FOUR ACADEMIC SEMESTERS [DIPLOMA]

Computers are everywhere and business and industry need computer engineering technicians to support them! This program addresses many applications for computers including business analysis, networking and system security. Students are prepared to write exams for certifications such as Cisco (CCNA), CCNA Security, Networks +, A+ Certification, Server+ and

### KIRKLAND LAKE AND TIMMINS

Linux + Certification. Graduates of this program can work within programming, analysis and system/network administration.

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing
- MCT4C preferred; minimum 60% GPA required for MAP4C

Any of the following pairs of high school courses are recommended: ICS 3M, ICS 4M, ICE 3M, ICE 4M, ICE 3E, or ICE 4E (ICS: Computer and Information Science and ICE: Computer Engineering - Workplace Preparation). **RECOMMENDED, NOT REQUIRED.**

## CONSTRUCTION ENGINEERING TECHNICIAN - BUILDING MANAGEMENT

### FOUR ACADEMIC SEMESTERS [DIPLOMA]

This unique mixture of architectural, civil, structural and mechanical knowledge and skills can help you enter the construction and building management industry with many tools under your belt. This

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program will give you insight into the technical and legal requirements of building construction and maintenance.

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing
- MCT4C preferred; minimum 60% GPA required for MAP4C
- SPH 4C (Grade 12 Physics). **RECOMMENDED, NOT REQUIRED.**

## ELECTRICAL ENGINEERING TECHNOLOGY

### SIX ACADEMIC SEMESTERS [ADVANCED DIPLOMA]

Are you looking to find a high-energy career? Develop your skills at our Hydro One Energy Centre. In this program, you'll learn the basics and have the opportunity to specialize in electrical technology. You will gain extensive training and knowledge in protection and control, control systems, electrical design, power utility systems and programmable

### TIMMINS

logic controls which will prepare you to work in various roles within electrical distribution, mining, telecommunications and information technology industries.

**THIS PROGRAM IS HIGHLY COMPETITIVE.**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing
- MCT4C preferred; minimum 60% GPA required for MAP4C



## ELECTRICAL ENGINEERING TECHNICIAN

FOUR ACADEMIC SEMESTERS **[DIPLOMA]**

**TIMMINS**

Does the thought of hands-on training spark your interest? Electrical Engineering Technicians maintain power generation stations and transmission lines and work in areas such as protection, industrial telecommunications, electrical maintenance and installation, and control systems. This program will give you extensive practical instruction in state-of-

the-art labs in our Hydro One Energy Centre. You will learn how to select, design, install, maintain, program and troubleshoot modern industrial electrical and electronic systems.

**THIS PROGRAM IS HIGHLY COMPETITIVE.**

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing
- MCT4C preferred; minimum 60% GPA required for MAP4C

Northern College's signature Electrical Engineering Technician program can prepare you for work in the electrical transmission and distribution or power generation industries. This program's advance curriculum includes both theory and practical, hands-on experience. You'll even train using state-of-the-art equipment in our Hydro One Energy Centre!

Many of our graduates are working in positions ranging from apprentice electricians to electrical department superintendents, in sectors like public and private power utilities, mines and industry.

Graduates can expect to find employment in quality control, electrical drafting, applied research or technical laboratories.

Graduates of our Electrical Engineering Technician program may choose to complete an additional year of studies to obtain an advanced diploma in Electrical Engineering Technology. Electrical Engineering Technology graduates may be eligible to enroll in Lakehead University's Electrical Engineering degree program.

## ENVIRONMENTAL TECHNICIAN - WATER & WASTEWATER SYSTEMS OPERATIONS

### FOUR ACADEMIC SEMESTERS [DIPLOMA]

Train for a rewarding and stimulating career ensuring the safety and reliability of drinking water and wastewater systems in municipal, industrial and mining settings. Earn while you learn in this uniquely structured program that provides the fastest path to qualification for employment as a Class 1 licensed drinking water operator in Ontario – not just an

### KIRKLAND LAKE

Operator in Training qualification. In two continuous years from point of intake, including the opportunity for three four-month-long paid co-op placements, you'll get real-world training and a real edge in finding work in a field offering good paying stable employment, interest and opportunity.

### ADMISSION REQUIREMENTS

- GRADE 12 ENGLISH (C, U OR EQUIVALENT)
- GRADE 12 MATHEMATICS (MFM2P OR EQUIVALENT)
- MATURE STUDENTS MAY BE ADMITTED AFTER TESTING
- MCT4C preferred; minimum 60% GPA required for MAP4C
- Ontario Class 'G' driver's license for co-op placements

### PATHWAY

GRADUATES OF THIS PROGRAM MAY BE ELIGIBLE TO ENROL IN THE BACHELOR OF SCIENCE IN ENVIRONMENTAL PROTECTION DEGREE PROGRAM AT THE INSTITUTE OF TECHNOLOGY SLIGO IN IRELAND.



## HEAVY EQUIPMENT TECHNIQUES

### TWO ACADEMIC SEMESTERS [CERTIFICATE]

Put some weight behind your experience with a Heavy Equipment Techniques certificate. This program can help you identify basic heavy duty equipment power system problems, inspect and test basic heavy duty equipment components and systems, and use a variety of test equipment and schematics to support heavy duty equipment

### TIMMINS

operation and maintenance. The Co-op Diploma Apprenticeship program is offered on a “thruway” basis and offers students five possible exit points through a variety of certificate, diploma and apprenticeship options. Visit our website for more details.

### ADMISSION REQUIREMENTS

- GRADE 12 ENGLISH (C, U OR EQUIVALENT)
- GRADE 11 MATHEMATICS (C, M, OR U OR EQUIVALENT)
- MATURE STUDENTS MAY BE ADMITTED AFTER TESTING

## INSTRUMENTATION AND CONTROL ENGINEERING TECHNICIAN

### FOUR ACADEMIC SEMESTERS [DIPLOMA]

Do you want to be in control of your future? Instrumentation and Control Engineering Technicians install, maintain, test and calibrate the equipment used to control and measure variables such as temperature, pressure and flow in all process industries. This program will help you attain the

### HAILEYBURY

skills and knowledge needed to work alongside process designers to troubleshoot control loops, adjust controllers and systems, and program and troubleshoot computers.

**THIS PROGRAM IS HIGHLY COMPETITIVE.**

### ADMISSION REQUIREMENTS

- GRADE 12 ENGLISH (C, U OR EQUIVALENT)
- GRADE 12 MATHEMATICS (C, M, OR U OR EQUIVALENT)
- MATURE STUDENTS MAY BE ADMITTED AFTER TESTING
- MCT4C preferred; minimum 60% GPA required for MAP4C
- College-level Physics and Chemistry. **RECOMMENDED, NOT REQUIRED.**

### PATHWAY

GRADUATES OF THIS PROGRAM MAY BE ELIGIBLE TO ENROL IN THE BACHELOR OF ENGINEERING IN MECHATRONICS DEGREE PROGRAM AT THE INSTITUTE OF TECHNOLOGY SLIGO IN IRELAND.

## MECHANICAL ENGINEERING TECHNICIAN

FOUR ACADEMIC SEMESTERS **[DIPLOMA]**

Mechanical Engineering Technicians are team players that contribute to the engineering activities of an organization. This program will prepare you to

**TIMMINS**

perform drafting and analysis functions to support the design and production of components in a mechanical engineering environment.

### ADMISSION REQUIREMENTS

- GRADE 12 ENGLISH (C, U OR EQUIVALENT)
- GRADE 12 MATHEMATICS (C OR U OR EQUIVALENT)
- MATURE STUDENTS MAY BE ADMITTED AFTER TESTING
- MCT4C PREFERRED; MINIMUM 60% GPA REQUIRED FOR MAP4C

## MECHANICAL TECHNIQUES – INDUSTRIAL MILLWRIGHT

TWO ACADEMIC SEMESTERS **[CERTIFICATE]**

This program allows students to gain authentic experience in the installation, repair and maintenance of the complex industrial mechanical machinery in existing and new construction. As a millwright you will be a team player, dealing with critical machinery that is vital to the operation of your workplace.

**TIMMINS**

The Co-op Diploma Apprenticeship program is offered on a "thruway" basis and offers students five possible exit points through a variety of certificate, diploma and apprenticeship options. Visit our website for more details.

### ADMISSION REQUIREMENTS

- GRADE 12 ENGLISH (C, U OR EQUIVALENT)
- GRADE 11 MATHEMATICS (C, M, OR U OR EQUIVALENT)
- MATURE STUDENTS MAY BE ADMITTED AFTER TESTING

## MECHANICAL TECHNICIAN – INDUSTRIAL MILLWRIGHT

FOUR ACADEMIC SEMESTERS WITH CO-OP **[DIPLOMA]**

**TIMMINS**

If you are power-driven, then this might be the program for you! This Co-op Diploma Apprenticeship program will teach you how to carry out maintenance mechanic functions within an industrial setting, applying your knowledge of diagnostics, repair, maintenance and installation of industrial equipment to support the industrial environment. This program

is offered on a “thruway” basis. This means all students enrolled in this program are eligible to receive the Techniques certificate upon successful completion of the first year.

### ADMISSION REQUIREMENTS

- GRADE 12 ENGLISH (C, U OR EQUIVALENT)
- GRADE 11 MATHEMATICS (C, M, U OR EQUIVALENT)
- MATURE STUDENTS MAY BE ADMITTED AFTER TESTING

## MOTIVE POWER TECHNICIAN – AUTOMOTIVE SERVICE

FOUR ACADEMIC SEMESTERS **[DIPLOMA]**

**TIMMINS**

Earn a two-year diploma in just one year! If transportation technology gets your motor running, consider a career as a Motive Power Technician. This compressed program will teach you how to analyze and solve automotive system problems, diagnose and repair mechanical, electronic and electrical automotive components and systems while

teaching you how to use a variety of troubleshooting techniques and testing equipment to support automotive transportation.

### ADMISSION REQUIREMENTS

- GRADE 12 ENGLISH (C, U OR EQUIVALENT)
- GRADE 11 MATHEMATICS (C, M, OR U OR EQUIVALENT)
- MATURE STUDENTS MAY BE ADMITTED AFTER TESTING



## MINING ENGINEERING TECHNICIAN

### FOUR ACADEMIC SEMESTERS [DIPLOMA]

Earn while you learn and have the flexibility to explore. A technician is part of an engineering team involved in all aspects of mining from exploration, planning and operation to mineral extraction and environmental control. Northern's Mining Engineering Technician program, offered through the world-renowned Haileybury School of Mines, is offered in

### DISTANCE LEARNING

a modular distance learning format that allows you to study at home while working or raising a family. Theory is coupled with field school components held each year at the Haileybury Campus.

### ADMISSION REQUIREMENTS

- GRADE 12 ENGLISH AND MATH (C, U OR EQUIVALENT)
- MATURE STUDENTS MAY BE ADMITTED AFTER TESTING
- MCT4C PREFERRED; MINIMUM 60% GPA REQUIRED FOR MAP4C
- COLLEGE-LEVEL PHYSICS AND CHEMISTRY. **RECOMMENDED, NOT REQUIRED.**

### PATHWAY

NORTHERN COLLEGE HAS PARTNERED WITH QUEEN'S UNIVERSITY AT KINGSTON TO ESTABLISH A PATHWAY FOR MINING ENGINEERING TECHNICIAN GRADUATES TO OBTAIN A UNIVERSITY DEGREE.

Our Haileybury School of Mines Mining Engineering Technician program is flexible enough to allow you to further your education and get ahead in the mining field without changing your lifestyle. You can earn a diploma while you're hard at work earning a living!

Offered primarily through distance learning, this program is delivered in an accommodating modular format that lets you choose when and where you'd like to learn. Take courses when it's most convenient for you, from the comfort of your own home! Our program is made to fit with your schedule, whether you're working full time, raising a family or looking for a program to fit with your unique lifestyle. You'll even get to put theory into practice during an annual two-week field school at our Haileybury Campus.

If you enjoy independence, but appreciate a little structure, you can also take the program at our Haileybury, Kirkland Lake and Timmins campuses. While most of your course work will still be delivered by distance, you'll also take common courses like communications on-site with other Northern College students.

The Northern College Haileybury School of Mines Mining Engineering Technician program is also available at Confederation College in Thunder Bay.

## MOTIVE POWER TECHNICIAN – HEAVY EQUIPMENT

### FOUR ACADEMIC SEMESTER [DIPLOMA]

This program will prepare you to apply your knowledge in analyzing and solving heavy duty equipment problems. You will learn how to diagnose and repair mechanical, electronic and electrical heavy duty equipment components and systems using a variety of troubleshooting techniques and testing equipment to support heavy equipment operations.

### TIMMINS

The Co-op Diploma Apprenticeship program is offered on a “thruway” basis and offers students five possible exit points through a variety of certificate, diploma and apprenticeship options. Visit our website for more details.

### ADMISSION REQUIREMENTS

- GRADE 12 ENGLISH (C, U OR EQUIVALENT)
- GRADE 11 MATHEMATICS (C, M, OR U OR EQUIVALENT)
- MATURE STUDENTS MAY BE ADMITTED AFTER TESTING

## PRE-TECHNOLOGY

### TWO ACADEMIC SEMESTERS [CERTIFICATE]

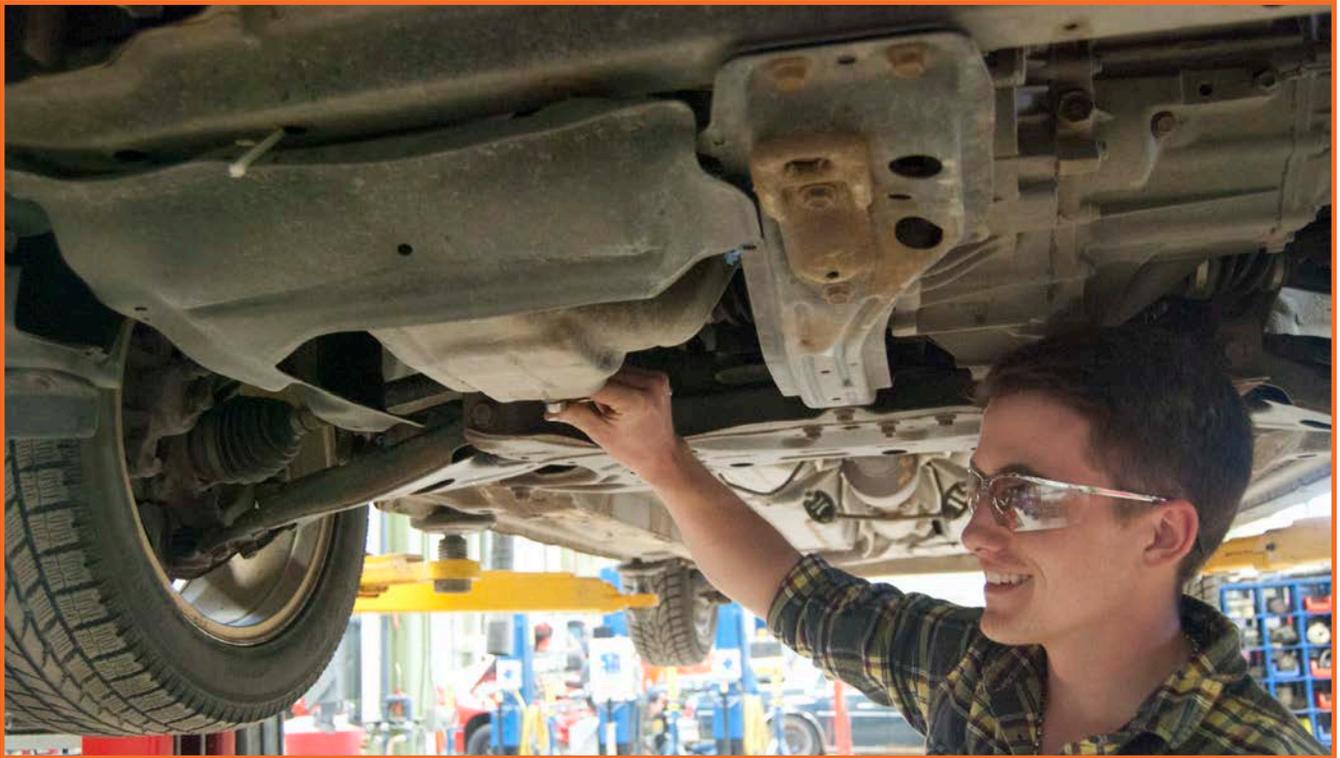
Are you looking to learn while exploring your career options? This certificate program is designed to prepare you for a college trades or technology program, increase your skills and confidence with

### MOOSONEE AND TIMMINS

math, sciences, computers and technical studies, and enable you to discover more about careers in trades and technology.

### ADMISSION REQUIREMENTS

- OSSD COMPLETION FOR HIGH SCHOOL STUDENTS
- MATURE STUDENTS MAY BE ADMITTED AFTER THE FOLLOWING ACHIEVEMENT:  
CAAT=C ENGLISH (GRADE 10 ENGLISH EQUIVALENT)  
CAAT-C MATHEMATICS (GRADE 10 MATHEMATICS EQUIVALENT)



# WELDING ENGINEERING TECHNOLOGY



## SCHOOL OF WELDING ENGINEERING TECHNOLOGY

Do you have a strong scientific mind, and an interest in applying theory to practical applications? Our School of Welding Engineering Technology provides students with more than just the practical skills of welding. These programs delve deep into the science behind welding and metallurgy, providing a deep knowledge of modern welding and inspection practices.

Our Welding Engineering Technician and Technology programs include optional co-op semesters, providing you with additional hands-on experience, networking opportunities and income during your schooling.

Located at our Kirkland Lake Campus, the School of Welding Engineering Technology is associated with the Materials Joining Innovation Centre (MaJIC), an on-site applied research facility that collaborates with industry partners on a range of welding and fabrication projects.

### PROGRAMS

- Mechanical Technician - Welding Fitter
- Welding Design International
- Welding Engineering Technician - Inspection
- Welding Engineering Technology

## MECHANICAL TECHNICIAN – WELDING FITTER

ONE FULL YEAR (THREE SEMESTERS) **[DIPLOMA]**

**KIRKLAND LAKE**

Get an education that will take you places in less time! This program is equivalent to a two-year diploma compressed into three semesters, which means you can graduate within one year! Mechanical Technician – Welding Fitters fabricate and weld various parts and structural steel, install, repair, and fabricate cones, chutes, hoppers and other shapes.

You will be able to diagnose, install and maintain plant machinery in a systematic manner with a high degree of efficiency. This program provides students with theory, hands-on welding experience and the advanced in-school component of a welding apprenticeship.

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 11 Mathematics (C, M, U or equivalent)
- Mature students may be admitted after testing

## WELDING DESIGN INTERNATIONAL

TWO ACADEMIC SEMESTERS **[GRADUATE CERTIFICATE]**

**KIRKLAND LAKE**

Want an exciting career that can take you places? The International Welding Design Certificate (IWDC) program can prepare you for an international career by ensuring you are qualified to write the exam

for either the International Welding Technologist diploma or the International Welding Engineer diploma.

### ADMISSION REQUIREMENTS

- Ontario College Advanced Diploma from an Engineering Technology program (e.g. mechanical, manufacturing, civil, structural, electrical or equivalent)
- Grade 12 English (C, U or equivalent)

## WELDING ENGINEERING TECHNICIAN - INSPECTION

FOUR ACADEMIC SEMESTERS WITH CO-OP **[DIPLOMA]**

**KIRKLAND LAKE**

Do you have a propensity for science and enjoy working with their hands? Learn a blend of knowledge and practical skills that will help prepare you to interact with engineers and scientists while maintaining the hands-on skills necessary to supervise trade personnel. Lab time is intertwined with a

curriculum of metallurgical science and engineering theory. A co-op option offers even greater opportunity for in-the-field work experience, which always looks great on a resume.

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing
- MCT4C preferred; minimum 60% GPA required for MAP4C
- SPH4C (Grade 12 Physics). **RECOMMENDED, NOT REQUIRED.**





## WELDING ENGINEERING TECHNOLOGY

SIX ACADEMIC SEMESTERS **[ADVANCED DIPLOMA]**

NINE ACADEMIC SEMESTERS (CO-OP) **[ADVANCED DIPLOMA]**

**KIRKLAND LAKE**

Welding Engineering Technologists are trained thinkers and skilled workers who play an important role in industry. This program will ensure your skills are up to date as a specialist in the industry by providing a greater depth of training and knowledge

in welding processes, metallurgy, physics, failure analysis, and circuits. You can take the co-op option and gain valuable work experience and earn real cash while working towards your diploma.

### ADMISSION REQUIREMENTS

- Grade 12 English (C, U, E or equivalent)
- Grade 12 Mathematics (C, U or equivalent)
- Mature students may be admitted after testing
- MCT4C preferred; minimum 60% GPA required for MAP4C
- SPH4C (Grade 12 Physics). **RECOMMENDED, NOT REQUIRED.**

### PATHWAYS

Welding Engineering Technology graduates may be granted entry into the McMaster-Mohawk Bachelor of Technology Manufacturing stream or Athabasca University's Bachelor of Science program.

Northern College's Welding Engineering Technology advanced diploma program is unique in North America and meets classroom training requirements for the International Welding Technologist (IWT) designation.

Our program is not just about arcs and sparks; it is about science, technology and the engineering of welding. You will learn to develop, qualify, and implement welding procedures; to use your knowledge of welding, metallurgy, mechanics, and electrical engineering in the design and manufacturing of safe structures; and to inspect and maintain the integrity of such structures while they are in service.

Welding Engineering Technologists are trained thinkers and skilled workers who play an important role in industry. This program will ensure your skills are up-to-date by providing a greater depth of training and knowledge in welding processes,

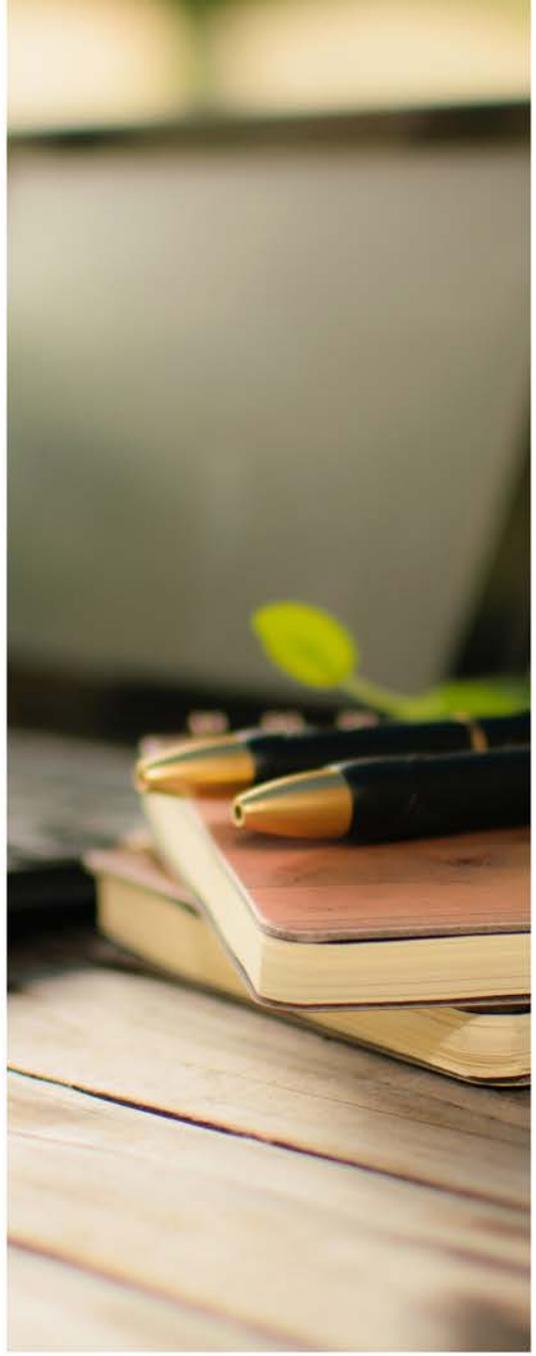
metallurgy, physics, failure analysis, and circuits. You can take the co-op option and gain valuable work experience and earn real cash while working towards your diploma.

Welding Engineering Technology graduates may be granted entry into the McMaster-Mohawk Bachelor of Technology Manufacturing stream or Athabasca University's Bachelor of Science program. Graduates from this program may also obtain certification through the Ontario Association of Certified Engineering Technicians and Technologists (OACETT).

Northern College's School of Welding Engineering Technology is the only welding education facility in Ontario associated with an applied research centre. The Materials Joining Innovation Centre (MaJIC), provides students access to additional sophisticated state-of-the art equipment and allows them to work on real-life industry derived projects.



# PREPARATORY PROGRAMS



## ACADEMIC AND CAREER ENTRANCE

Get ready to ACE your future! The Academic and Career Entrance program is a Grade 12 equivalency program that can provide you with the skills, prerequisites and coursework you need to reach your academic or career goals! Graduates of this program will have the requirements needed to enrol as an apprentice in Ontario, as well as the entry requirements for college and many university programs.

To receive an ACE certificate, you must complete Communications, Core Math and any two additional ACE courses.

The ACE certificate is recognized as a high school equivalency by employers including Hydro One, the Ontario Provincial Police and the Canadian Forces.

## ACADEMIC UPGRADING

Take the first step towards a successful future! Academic Upgrading is a free program that can help you transition from where you are now to where you want to be. Upgrading can help you develop valuable employment skills and earn the prerequisites you need to apply to your dream program. It can also help you to strengthen your learning and study skills. Your coursework will be tailored to your own unique needs, goals and abilities, allowing you to get what you want

from the program. All of these services are provided in a supportive, respectful environment that is ideal for people returning to school later in life.

Academic Upgrading certificates are recognized by all publicly-funded colleges in Ontario, as well as an increasing number of employers.

## COLLEGE VOCATIONAL

TWO ACADEMIC SEMESTER **[CERTIFICATE]**

This is a job-readiness and post-secondary-readiness program designed to meet the unique educational and vocational needs of people who would not normally consider or qualify for entry into a traditional post-secondary program.

**TIMMINS**

This program is also for individuals with complex disabilities who require one-on-one intervention or continuous access to technology in order to benefit from academic studies.

## GENERAL ARTS AND SCIENCE

TWO ACADEMIC SEMESTERS **[CERTIFICATE]**  
FOUR ACADEMIC SEMESTERS **[DIPLOMA]**

### **GENERAL ARTS AND SCIENCE - PREPARATORY**

This program is a great alternative to the high school victory lap and is designed to help you make an informed decision about your post-secondary program and career choice. While learning in different areas of study and working toward a college certificate or diploma, you can earn credits that may be transferable to other programs.

This college preparatory pathway earns you a Northern College certificate and prepares you to bridge into other college programs.

**HAILEYBURY, KIRKLAND LAKE AND TIMMINS**

### **GENERAL ARTS AND SCIENCE - EXPLORATORY**

This college exploration and university transfer pathway earns you a one year Ontario College Certificate and allows you to explore other college and university programs of interest.

With the General Arts and Science - Exploratory option, you can also earn a two year Ontario College Diploma.

**ALSO AVAILABLE VIA DISTANCE LEARNING**





**UNDERGROUND HARD ROCK MINER COMMON CORE**



**DIAMOND DRILLER ASSISTANT COMMON CORE**



**HEAVY EQUIPMENT OPERATOR & COMMERCIAL DRIVER**

**NORTHERN TRAINING DIVISION** - the training division of Northern College - provides customized vocational training programs that can prepare you for a career in a variety of fields; from mining to heavy equipment operation. Here are just a few of the high quality training programs we offer.

### UNDERGROUND HARDROCK MINER COMMON CORE

This industry-leading Haileybury School of Mines developed 12-week modular training program will provide you with the entry-level skills required to become an underground hard rock miner. This program features a combination of hands-on practical training and theory.

We have partnered with several mining companies to ensure that they, and the mining industry at large, have access to skilled candidates that are equipped to immediately become productive members of the workforce.

### DIAMOND DRILLER ASSISTANT COMMON CORE

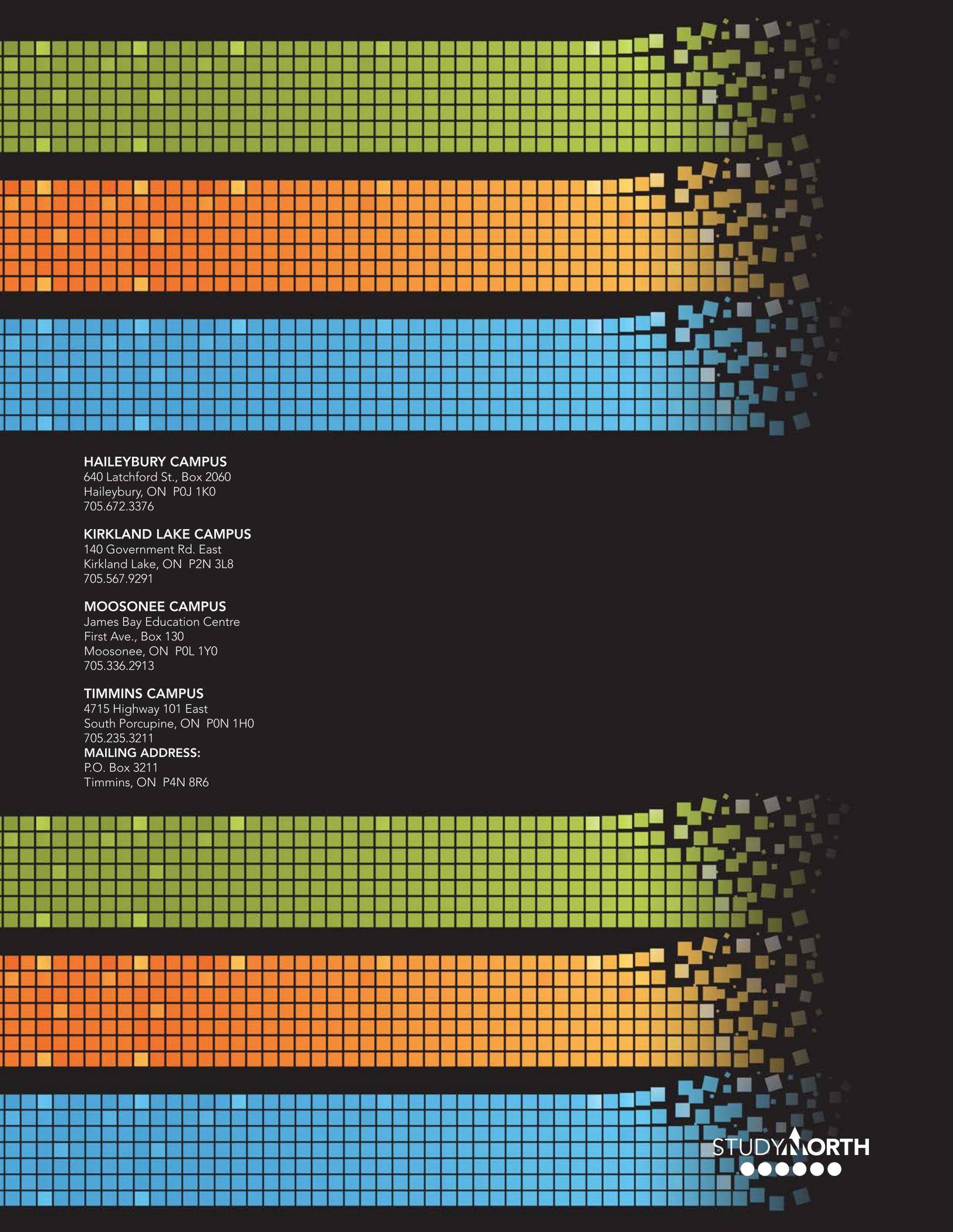
Developed by Northern's world-renowned Haileybury School of Mines and our partners in the Canadian diamond drilling industry, this

10-week program includes extensive hands-on training delivered by skilled instructors with worldwide drilling experience.

### HEAVY EQUIPMENT OPERATOR AND COMMERCIAL DRIVING

Develop comprehensive driving and operator skills that are in high demand from employers in a wide range of industries. Through a combination of practical and real pit experience, our Heavy Equipment Operator training programs will teach you to safely and effectively operate industrial equipment

including backhoes, bulldozers, excavators, graders, loaders and rock trucks. We also offer Commercial Driving programs that utilize both practical and simulator training that can help prepare you for licencing tests including AZ, BZ, CZ, DZ, E, F and Z.



**HAILEYBURY CAMPUS**

640 Latchford St., Box 2060  
Haileybury, ON P0J 1K0  
705.672.3376

**KIRKLAND LAKE CAMPUS**

140 Government Rd. East  
Kirkland Lake, ON P2N 3L8  
705.567.9291

**MOOSONEE CAMPUS**

James Bay Education Centre  
First Ave., Box 130  
Moosonee, ON P0L 1Y0  
705.336.2913

**TIMMINS CAMPUS**

4715 Highway 101 East  
South Porcupine, ON P0N 1H0  
705.235.3211

**MAILING ADDRESS:**

P.O. Box 3211  
Timmins, ON P4N 8R6