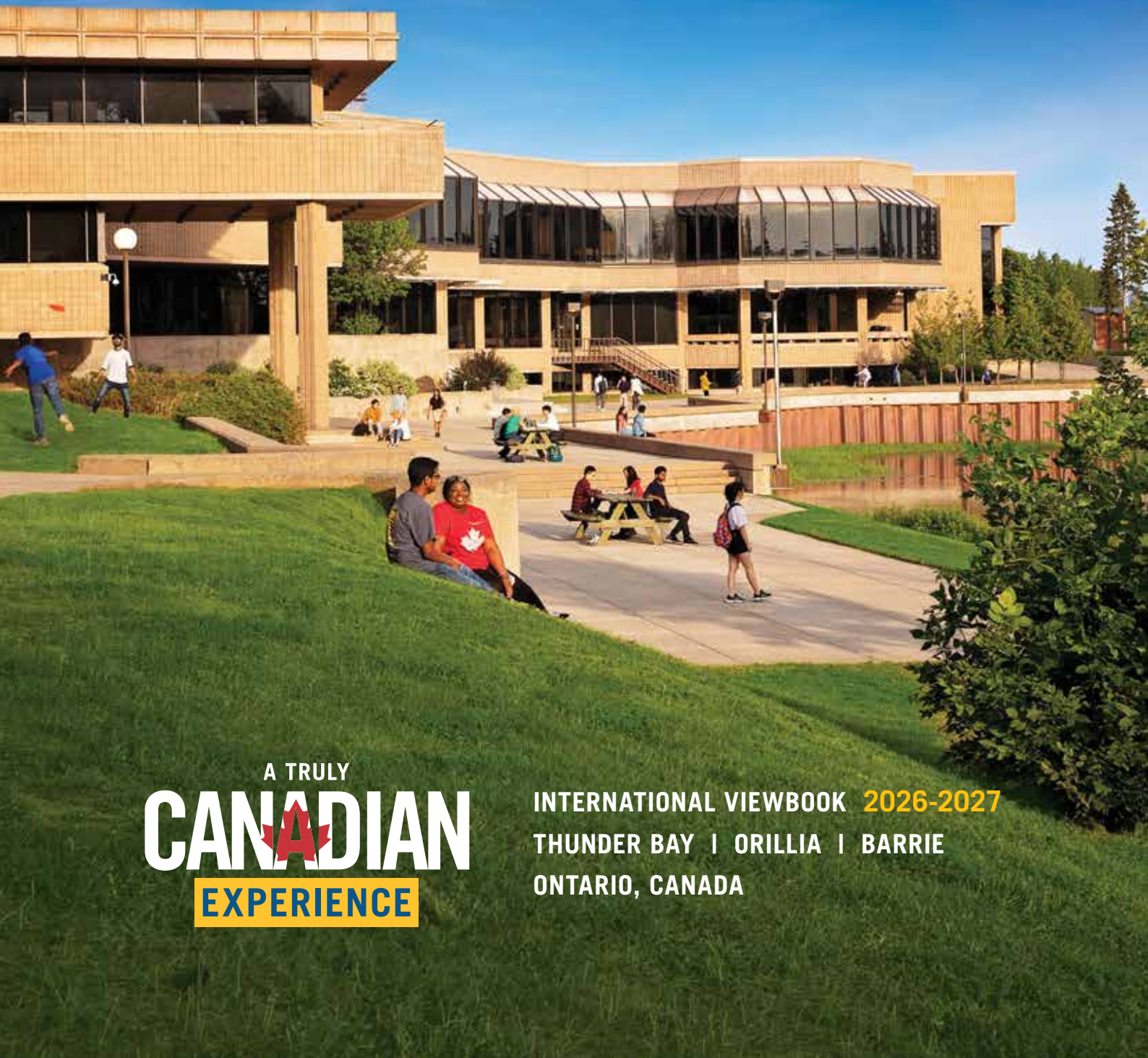




Lakehead

UNIVERSITY



A TRULY
CANADIAN
EXPERIENCE

INTERNATIONAL VIEWBOOK **2026-2027**
THUNDER BAY | ORILLIA | BARRIE
ONTARIO, CANADA

Imagine **A UNIVERSITY...**

Where your professors know your name. Where the peers and student services staff you meet on day one will be the familiar faces you recognize on day two, and soon become lifelong friends and mentors. Imagine a university where, instead of walking into a big lecture hall full of strangers, you will walk into an academic community where your input matters.

Where your success counts.

WELCOME TO LAKEHEAD.

*See Lakehead
Come Alive*



TOP 3
in Canada
FOR RESEARCH

(RESEARCH Infosource 2024,
Undergraduate Category)

 **#1**
University
**UNDER 10,000 STUDENTS
IN NORTH AMERICA**

(Times Higher Education
Global Impact Rankings 2025)

96.2%
Employed
**WITHIN 2 YEARS OF
GRADUATION**

(Above the Ontario average
of 94.1%)

A TRULY CANADIAN EXPERIENCE



Canada's
TOP 5
UNIVERSITIES

(Primarily Undergraduate,
Maclean's 2025)



Small Class Sizes

STUDENTS TO PROFESSORS

15:1

Thunder Bay
Campus

13:1

Orillia
Campus

93

Nations

REPRESENTED IN

LAKEHEAD'S
STUDENT BODY



CHOOSING LAKEHEAD



PLAY A BIGGER ROLE IN A SMALLER CLASS

*Benefit from a learning
environment where
your professors know
you by name.*



ACCESS TO HANDS-ON OPPORTUNITY

*Go beyond theory to
gain practical experience
for your future
career.*



DIVERSE COMMUNITIES ON & OFF CAMPUS

*Share your culture
with Canada and
learn from a global
student body.*

LAKEHEAD
BY THE NUMBERS

85+ Undergraduate
& Graduate **Programs**

88% of Classes have
fewer than **50 Students**



GREAT CANADIAN SCENERY RIGHT ON CAMPUS

*Breathe...Enjoy blue skies,
trees, running water,
and the tranquility of
nature between classes.*



CARING & FRIENDLY CAMPUSES

*Be seen, heard, and
taken care of
by Lakehead staff
and professors.*



AFFORDABLE & SAFE HOMETOWNS

*Enjoy the advantages
of thriving in a
mid-sized and friendly
Canadian city.*

9,000+ Students
at Lakehead

1,840+ International
Students

75,000 Alumni
from **116** Countries



CHOOSE CANADA & OUR GLOBAL COMMUNITY

WELCOMING THE WORLD TO LAKEHEAD.
BRINGING LAKEHEAD TO THE WORLD.

Lakehead University is small enough to offer the personalized approach to education and supports that allows you to thrive. And Lakehead is big enough to embody a truly global perspective. Not only does our student body come from over 90 nations around the world, we also enable our students to study abroad, take part in international placements and field school opportunities.

*Karla's
Journey*



ONTARIO

THUNDER BAY



90 MIN

WE ACKNOWLEDGE

Lakehead University respectfully acknowledges its campuses are located on the traditional lands of Indigenous peoples. Lakehead Thunder Bay is located on the traditional lands of the Fort William First Nation, Signatory to the Robinson Superior Treaty of 1850. Lakehead Orillia is located on the traditional territory of the Anishinaabeg. The Anishinaabeg include the Ojibwe, Odawa, and Pottawatomi nations, collectively known as the Three Fires Confederacy.

Lakehead University acknowledges the history that many nations hold in the areas around our campuses, and is committed to a relationship with First Nations, Métis, and Inuit peoples based on the principles of mutual trust, respect, reciprocity, and collaboration in the spirit of reconciliation.

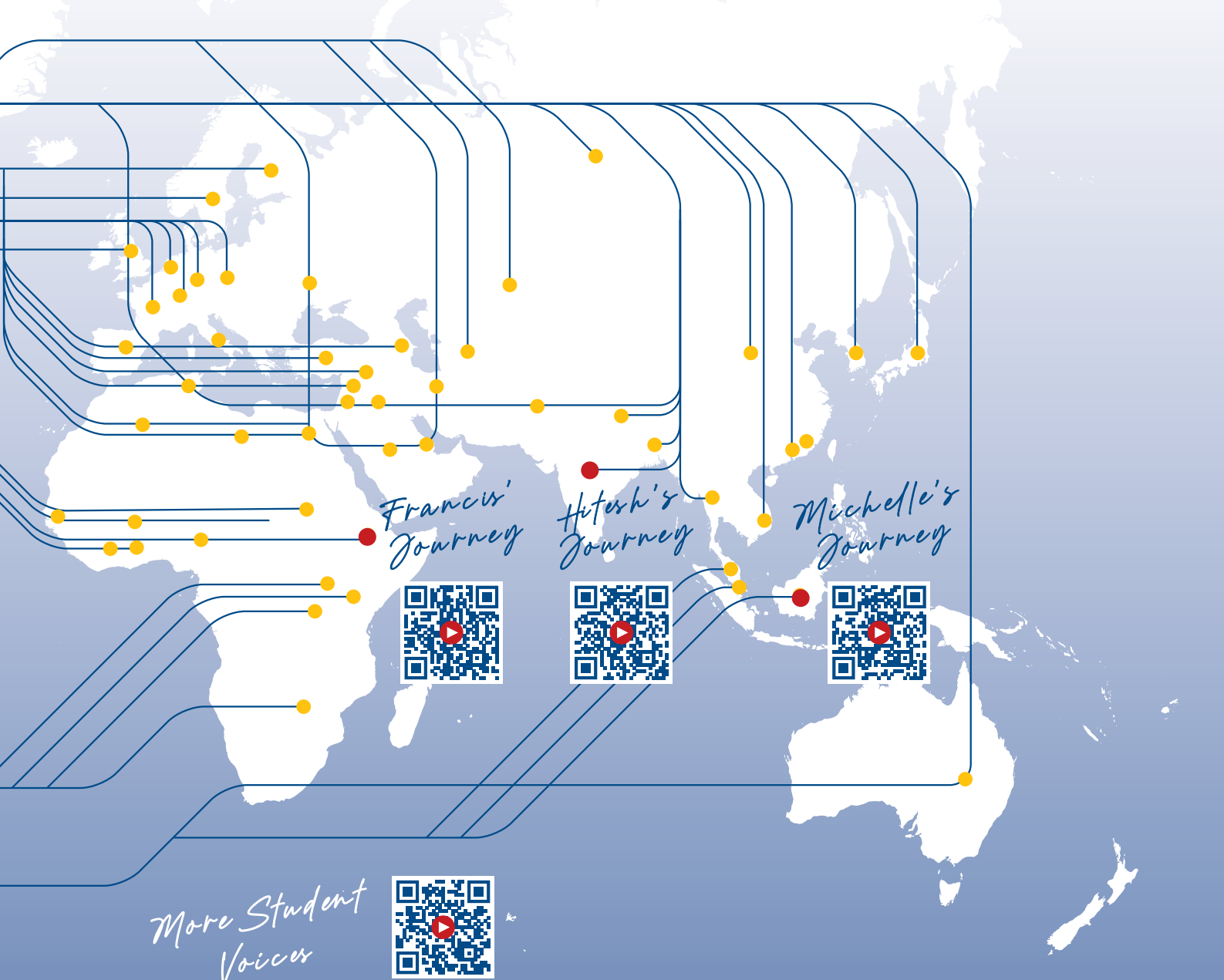
**ORILLIA
BARRIE**



90 MIN

TORONTO

OTTAWA



TOP 14 MOST
PEACEFUL
Countries
IN THE WORLD*



Embracing
MULTICULTURALISM
Canada was the first country in the
world to adopt multiculturalism as
an official policy



TOP 10
GREENEST
COUNTRIES
*in the World**

#1

UNIVERSITY IN
Ontario
(Primarily Undergraduate
Maclean's 2025)



997,820
INTERNATIONAL STUDENTS
Studying in Canada

LAKEHEAD IN THUNDER BAY

Situated in the heart of Canada on the northwest shore of Lake Superior – the world's largest freshwater lake – Thunder Bay is a culturally diverse city known for its breathtaking natural environment and unparalleled access to outdoor recreation.

123,200+
POPULATION

305  **DAYS OF
SUNSHINE**
PER YEAR

4 **MAJOR AIRLINES**
THUNDER BAY AIRPORT
AIR CANADA, WESTJET,
FLAIR & PORTER



Thunder Bay is the epicentre of Northwestern Ontario, offering amenities that attract the whole region, boasting a dynamic entertainment scene, vibrant arts and culture, as well as a variety of locally owned boutiques, artisan and craft stores, and well-known retail outlets.

 **LEARN ABOUT YOUR NEW HOME!** lakeheadu.ca/ourhometowns

VISITTHUNDERBAY.COM

VISITNORTHWESTONTARIO.COM



SEE THUNDER BAY

Come Alive



Check Out
CITY ARTS & CULTURE
the walleye 
Thunder Bay's arts & culture destination



 HOME OF
THE SLEEPING GIANT
ONE OF **CANADA'S 7 WONDERS**

Food Tour
WITH STUDENTS



50+ FESTIVALS
AND CITY EVENTS

100+ **PARKS**
& RECREATION AREAS

200+ RESTAURANTS
 **FEATURING FOODS FROM
AROUND THE WORLD**

An aerial photograph of the Lakehead University Thunder Bay campus. A large, modern building complex is situated along a curved shoreline of a lake. A paved path winds through lush green trees and lawns towards the water. In the background, more campus buildings and distant hills are visible under a clear blue sky.

LAKEHEAD THUNDER BAY CAMPUS

Located in the centre of the city, the Thunder Bay campus is only minutes away from shopping, restaurants, entertainment, and recreation.

With Lake Tamblyn and the McIntyre River as its centrepiece, the Thunder Bay campus has everything to make your university experience complete: seminar-style classrooms, larger lecture halls, cutting-edge laboratories, libraries, computer labs, student services offices, recreational facilities, residences, cafeterias and cafés, and a new International Centre and Lounge right in the centre of campus. Paved trails weaving through campus make it the perfect place to take in the beauty of the area during any season as you unwind by hiking, jogging, skateboarding, bike riding, or cross-country skiing.

1 LAKE + RIVER
RUNNING THROUGH CAMPUS

6,870+ STUDENTS

15:1 STUDENT TO FACULTY RATIO

8

A photograph of a modern campus building with large glass windows, illuminated from within, set against a vibrant sunset sky with shades of orange, pink, and purple.

A group of students enjoying winter activities on a snowy field. Some are standing and talking, while others are sitting on the snow. They are dressed in winter clothing like jackets and hats.

A photograph of a modern campus building at night. The building's lights are on, and its reflection is visible in a body of water in front of it.

With Lake Tamblyn and the McIntyre River as its centrepiece, the Thunder Bay campus has everything to make your university experience complete: seminar-style classrooms, larger lecture halls, cutting-edge laboratories, libraries, computer labs, student services offices, recreational facilities, residences, cafeterias and cafés, and a new International Centre and Lounge right in the centre of campus. Paved trails weaving through campus make it the perfect place to take in the beauty of the area during any season as you unwind by hiking, jogging, skateboarding, bike riding, or cross-country skiing.

1 LAKE + RIVER RUNNING THROUGH CAMPUS

15:1  **STUDENT TO FACULTY RATIO**



THUNDER BAY RESIDENCE



**RESIDENCE
GUARANTEED**

for students who register by June 1, 2026

*Thunder
Residence*



YOUR HOME AWAY FROM HOME

Lakehead University Residence is a fun, safe and convenient place to live. Our Residence Life Team is dedicated to organizing events, activities and excursions, allowing you to get involved in campus life, become friends with students from other countries and programs, and explore the city. Take advantage of the supports and 24-hour security Residence offers.

lakeheadu.ca/residence

Dorm Room Options:

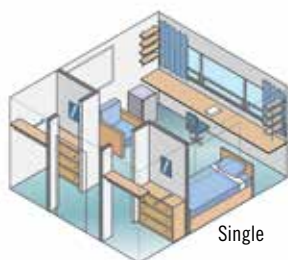
Single 18 m²: \$13,827 CAD*

Basic Single 9.3 m²: \$12,519 CAD*

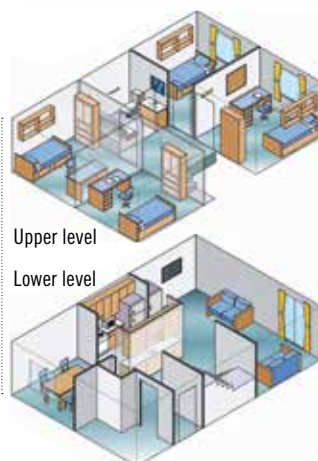
Double 18 m²: \$11,429 CAD*

- ▶ WiFi, mini-fridge
- ▶ Shared laundry, washrooms and lounge
- ▶ Mandatory meal plan (7 days a week)

Prices are for 8 months including meals



Single



Upper level

Lower level

Townhouse: 93 m²

\$8,334 CAD for 8 months*

- ▶ 4 private bedrooms per townhouse
- ▶ Shared living room
- ▶ 1 washroom
- ▶ Full kitchen
- ▶ WiFi

Apartment: 77 m²

\$8,334 CAD for 8 months*

- ▶ 4 private bedrooms per apartment
- ▶ Shared living room
- ▶ 2 washrooms
- ▶ Full kitchen
- ▶ WiFi



* Prices are for the 2025-2026 academic year

MEAL PLANS

Lakehead University offers many options for dining on campus, so that you can enjoy meals and snacks that are both nutritious and convenient. Vegetarian, vegan, halal, gluten-free, and international food options are available.

Students in our dormitory-style residence halls automatically receive a full meal plan that includes all-access dining in the Residence Dining Hall (unlimited access during hours of operation) + \$800.00 CAD declining balance (like a debit card that can be used at any Aramark-operated food outlet).

FOOD OUTLETS ON CAMPUS

Residence Dining Hall - Open 7 days a week, 'all-you-care-to-eat' food stations include a rotating menu featuring nutritious local, regional and international specialties, home-cooked entrées, made-to-order grilled meals, fresh salad and soup bar, ready-made sandwich and panini bar, pizza station, fresh fruit and baked goods, assorted beverages and desserts.

Main Dining Hall - Food Court style setting serving made-to-order grilled meals, Bento sushi, ready-to-serve sandwiches, salads, soups, Pizza Pizza, snacks, and a rotating menu of international specialties and flavours.

Toum Mediterranean - Offering many Mediterranean food favourites.

Szechuan Kitchen - A locally operated Chinese restaurant tucked away at the Avila Centre offers authentic Chinese Canadian food.

Dan's Diner - Late night snacks, located right in Bartley Residence: sandwiches, nachos, gourmet hotdogs, french fries, pizza, desserts, and beverages.

The Outpost - A hearty menu of mealtime favourites.

The Study - A variety of hot and cold beverages, delicious baked goods, and savoury snacks.

Timber & Roast - Hand-crafted coffee, tea, espresso, cappuccino, latte, and other Starbucks favourites along with flatbreads, paninis, grab-and-go sandwiches, and salads.

Library Café 65 - Offering coffee, tea, and other beverages plus snacks and food with a First Nations focus.

MilkTease - BubbleTea and locally roasted gourmet coffee with local pastries and snacks.

lakeheadu.ca/mealplans-thunderbay

LAKEHEAD IN ORILLIA

The City of Orillia is home to Lakehead University's central-Ontario campus and is located just north of the Greater Toronto Area (GTA) in the heart of Ontario's Lake Country and on the shores of Lakes Couchiching and Simcoe.

33,400+
POPULATION

90 MINUTE DRIVE
FROM TORONTO



KNOWN AS THE
SUNSHINE CITY

With year-round opportunities for recreation, culture and heritage, Orillia has all the amenities of a large urban centre with small-town charm. Enjoy the beautiful green spaces and waterfront parks around the city as well as the specialty shops, cafés, restaurants, movie theatres, and locally owned boutiques.

 **LEARN ABOUT YOUR NEW HOME!** lakeheadu.ca/ourhometowns

ORILLIA.CA

ORILLIALAKECOUNTRY.CA



SEE ORILLIA

Come Alive



Photo: Loop Media


**GATEWAY TO
 LAKE COUNTRY**

200+ KM
 OF WALKING &
 BIKING TRAILS

30+
 ANNUAL
 FESTIVALS

100+ 
 RESTAURANTS

LAKEHEAD ORILLIA CAMPUS

See Campus



Known for its welcoming atmosphere, innovative programs, and friendly community, the Orillia campus is one of the best places to grow as a student.

The Orillia campus offers the complete university experience with the Simcoe Hall academic building, cutting-edge laboratories, a vibrant Learning Commons, classrooms filled with natural light, residence, bookstore, and open-style cafeteria. As part of a young and growing campus, you will develop valuable leadership skills and play an important role in shaping student life.

2,130+ STUDENTS



**ENVIRONMENTALLY
DESIGNED AND CERTIFIED
CAMPUS (LEED)**



**PUBLIC TRANSIT
BUS HUB ON CAMPUS**
TO THE CITY OF ORILLIA, BARRIE & BEYOND

13:1


STUDENT TO FACULTY RATIO



ORILLIA RESIDENCE

YOUR HOME AWAY FROM HOME

There's no better way to get the full university experience than to live in residence. With the dining hall, classes, and campus amenities just steps away, you will enjoy the convenience of living on campus.

Our Residence Life Team is there for you 24 hours a day, 7 days a week, and is dedicated to offering you support and organizing exciting events for you and all members of your new residence family.

lakeheadu.ca/residence



**RESIDENCE
GUARANTEED**

for students who register by June 1, 2026

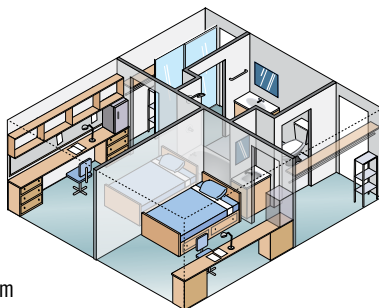
*Tour
Residence*



**230+ STUDENTS
LIVING IN RESIDENCE**

Single Dorm Room: 16.5 m²
\$14,411 - \$15,037 CAD
for 8 months* including meals

- ▶ WiFi, mini-fridge
- ▶ Social lounge, study rooms, laundry facilities
- ▶ In-suite sink
- ▶ Single room, adjoining bathroom shared with one other room
- ▶ Mandatory meal plan (choose from 5- or 7-day plan)



* Prices are for the 2025-2026 academic year

MEAL PLANS

Two meal plan options are available with your Orillia Campus residence accommodation package. Vegetarian, vegan, halal and gluten-free options are available in the Dining Hall. Meals are also available for take out at both the Simcoe Hall Café and The Den, which features a pub-style menu.

7-Day Meal Plan* - Meals every day of the week + \$650 CAD declining balance

5-Day Meal Plan* - Meals Mondays-Fridays + \$650 CAD declining balance

lakeheadu.ca/mealplans-orillia

* Meal costs are included in the residence price listed above.





#MyStudySpot

The Student EXPERIENCE

Lakehead offers you much more than just a world-class education. We make it easy for you to get involved in clubs and recreation, to access a range of student supports, and to deepen your learning through internships and co-operative education. Discover the inside story on the student experience and become a part of the Lakehead community.

lakeheadu.ca/student-view



#WinterFun



#CelebrateCulture
#HomeAwayFromHome



#Friends4Life



#GreatLakesSurfingClub



#CampusViews





#ShopLocal



#TheGreatOutdoors
#ResHome

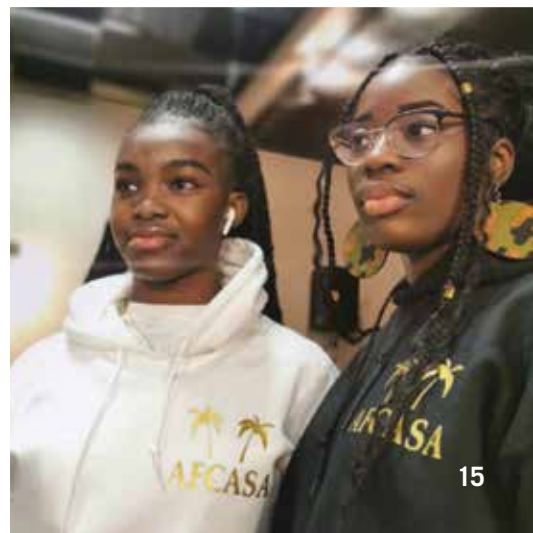


#TheTasteOfHome



#Thunderwolves

#ATrulyCanadianExperience



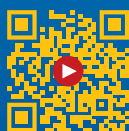


STUDENT CLUBS & LEADERSHIP

Play a bigger part in a smaller student body at Lakehead University where your engagement in the community nurtures your development as a citizen of the world. Enrich your university years through involvement in academic or cultural clubs, volunteering, or leadership development.



Celebrate with us



I wasn't expecting my entire outlook on cultures to change when I came to Canada, but it did – completely.

In one of the leadership programs I took part in, there were different international students coming together for certain projects. Canada made me a more diverse person. I feel as if I'm open to more points of view now, open to living and being around different types of people with different mentalities and cultures. I also had the chance to represent Lakehead in France for an exchange semester. That was a very, very big accomplishment for me, so I'm grateful for that! I have the dream of becoming a lawyer and eventually a judge, and I plan on bringing everything I learned from my Lakehead experiences into law school."



Josia Prince, Bahamas
Political Science (Pre-Law) Graduate

LAKEHEAD UNIVERSITY STUDENT UNION (LUSU)

Get involved in one of the LUSU Centres such as the Multicultural Centre, Pride Central, or the Sustainability Initiative. As a member of LUSU, you also have access to student-run services like a student health and dental plan, a universal bus pass, and an emergency campus food bank. Your membership ensures you always have representation within the university as well as all levels of government.

 lusu.ca

STUDENT CLUBS

Clubs are the cornerstone of student life at Lakehead. Whether you're interested in sports, movies, video games, politics, or academics, Lakehead University has a club for you. Being a part of a LUSU-endorsed club gives you access to support, resources, and campus spaces for free or at a reduced rate. Here is a sample of the 60+ clubs available for you to join:

- ▶ African Caribbean Student Association
- ▶ Lakehead University Badminton Club
- ▶ Lakehead Iranian Cultural Association
- ▶ Faculty of Business Students Association
- ▶ Lakehead University Engineering Student Society
- ▶ Google Developers Student Club
- ▶ Association of Latin American Students
- ▶ Lakehead University Anime & Manga
- ▶ Lakehead University Indian Students Association
- ▶ Lakehead University Pakistani Students Association
- ▶ Muslim Student Association
- ▶ Chinese Students and Scholars Association
- ▶ Southeast Asia Society
- ▶ And many more – You can even start your own unique club!



GLOBAL AMBASSADORS

The Global Ambassador Program is the ultimate opportunity for you to enrich your student experience on campus, develop your leadership skills, and share your Lakehead pride with future students.

The Global Ambassador Program brings together Lakehead's most enthusiastic, globally minded, inclusive and inquisitive students, and acts as a stage for collaboration, knowledge creation and exchange among Lakehead's diverse student body. As a Global Ambassador, you will express the proud voice and spirit of Lakehead to future students and alumni around the world.

 lakeheadu.ca/global-ambassadors

STUDENT-RUN FESTIVALS AND EVENTS

Whether you're representing your country in Culture Days or International Education Week on campus, planning a Lunar New Year Celebration, taking part in the city's Holi Festival, or helping newcomers to Canada at the city's Multicultural Centre, you will find the whole university community gets involved when they celebrate holidays, festivals and special occasions.

LEADERSHIP OPPORTUNITIES

Develop new skills and grow as a person while getting involved in group activities and meaningful projects through on-campus and off-campus positions, international volunteer opportunities, the Orientation Leader Program, the LVLup Leadership program, or by becoming a Global Ambassador or Peer Mentor to new international students.

*Chat with
a Student*





ATHLETICS & RECREATION

Take a break from your studies – embrace the outdoors, cheer on your Thunderwolves and join the action!

The ultimate stress reliever is at the doorstep of our campuses – the great outdoors. Escape from your studies and enjoy:

- ▶ A paved, wooded, river trail through campus, connecting to trails throughout the city
- ▶ A scenic hike at the Sea Lion, the Sleeping Giant, Thunder Mountain (Mount McKay), or Scout Valley Trails
- ▶ Snowboarding or skiing at Loch Lomond or Horseshoe Valley
- ▶ Rock or ice climbing to spectacular scenic views with Outdoor Skills and Thrills' adventure courses and events
- ▶ Winter exploration in snowshoes
- ▶ Canoeing or kayaking on Lake Simcoe or Lake Superior
- ▶ A boat tour with Sail Superior or Orillia Boat Cruises
- ▶ Mountain biking on rugged and winding forest trails



SPORTS TEAMS FOR EVERY INTEREST AND ABILITY

VARSITY for elite athletes	M	W	CAMPUS
Basketball	•	•	☐ T
Cross-Country Running	•	•	☐ T
Ice Hockey	•	•	☐ T
Soccer	•	•	☐ O
Nordic Skiing	•	•	☐ T
Track and Field	•	•	☐ T
Volleyball	•	•	☐ T
Wrestling	•	•	☐ T

CLUB TEAMS for everyone - some teams require try outs

Cricket	•		☐ T
Curling	•	•	☐ T
Dance	•	•	☐ T ☐ O
Equestrian	•	•	☐ O
Ice Hockey	•	•	☐ O
Rowing	•	•	☐ T
Soccer	•	•	☐ T
Ultimate Frisbee	•	•	☐ T
Volleyball	•	•	☐ T

INTRAMURAL anyone can join

Badminton • Basketball • Dodgeball • Flag Football
Ice Hockey • Innertube Basketball • Soccer
Spikeball • Ultimate Frisbee • Volleyball

☐ T Thunder Bay Campus ☐ O Orillia Campus
M Men's W Women's

RECREATIONAL FACILITIES

Take a
Tour



THUNDER BAY CAMPUS

Just a short walk from our academic buildings and residence are our on-campus fitness facilities designed to keep our Thunderwolves active. Included in your student fees is access to the facilities below:

- ▶ Weight rooms
- ▶ Olympic-sized swimming pool
- ▶ Cardio machines
- ▶ Aerobics studio
- ▶ Outdoor sports fields
- ▶ Beach volleyball court
- ▶ Hot yoga studio
- ▶ Changerooms & saunas
- ▶ 2 gymnasiums
- ▶ Indoor 200-metre track
- ▶ Pro-grade artificial turf indoor field
- ▶ Aerobic and cardio areas
- ▶ Fitness class studio
- ▶ Sports Medicine Clinic
- ▶ High-Performance Hockey Centre

thunderwolves.ca

ORILLIA CAMPUS

As an Orillia campus student, you can join one of the active club or recreational teams, or try out for a varsity sports team. Enjoy a workout in our new Fitness Room on campus or go skating on the outdoor ice rink between classes. Lakehead Orillia students have access to the Orillia Recreation Centre, which offers a wide range of amenities including a world-class aquatic centre, gymnasium, fitness centre, and drop-in programming. With both indoor and outdoor recreational opportunities in Orillia and the region, you will have no trouble balancing your studies with physical activity to stay healthy.

orilliathunderwolves.ca



TOP 5 IN THE OUA

Harold has established himself as one of the premier "big-men" in the OUA (Ontario University Athletics), landing in the top 5 in the Conference for Rebounds per Game and Field Goal Percentage, while finishing 11th in Points per Game, indicating his prowess as an all round threat for the Men's Basketball team.

Harold Santacruz from Madrid, Spain studies Honours Bachelor of Commerce.



THUNDERWOLVES



LAKEHEAD INTERNATIONAL

*Tour the
Centre*



INTERNATIONAL STUDENT SERVICES

FREE AIRPORT PICK-UP

Sign up in advance, and we are happy to welcome you to the city at the start of the semester and arrange transportation from the airport.

INTERNATIONAL WELCOME EXPERIENCE

Make lifelong friends, discover the university's support systems, and explore the culture of your new home away from home through exciting in-person events and pre-arrival online sessions.

PEER MENTORING

As a new international student, you can take advantage of our complimentary Peer Mentor Program where we connect you with an upper-year student who will help guide you at Lakehead.

THE HUB OF CAMPUS

Our Thunder Bay campus International Centre is the meeting place for students from all over the world. Meet between classes to study, play Xbox, watch a soccer game, or join one of the many special events held each week.

INTERNATIONAL STUDENT ADVISING

Receive culturally relevant advising on academics, personal matters, finances, health insurance, community services and help with navigating university supports.

IMMIGRATION ADVISING

Get guidance on study/work permits, visitor visas, and eTAs from our licensed Regulated International Student Immigration Advisors (RISIA) and Regulated Canadian Immigration Consultants (RCIC) certified by the College of Immigration Consultants of Canada (CICC).

EXCURSIONS

Get to know students from all over the world while you explore your new hometown through fun activities and outings.

🔗 lakeheadu.ca/international-student-support



STUDENTS MENTORING STUDENTS

“Being a mentor to new students during Orientation is incredibly rewarding. It's a chance to share my experiences, offer guidance on navigating campus life, and help ease the transition of new students into this new chapter. I get to answer questions, provide tips on academics and campus resources, and generally be a friendly face they can rely on.”

Cultural events take place in the International Centre throughout the year, these are a fantastic experience for all students. I've participated in celebrations like Diwali, Lunar New Year, and the Multicultural Festival where I've enjoyed traditional performances, music, dance, and delicious food from different cultures. These events not only showcase diversity but also foster understanding and appreciation among students from various backgrounds. It's a great way to learn about different customs and traditions, and to connect with people who share a passion for global cultures.”



Xiaoqing Liu
Beijing, China
Kinesiology Student



SUPPORTING YOU

ACADEMIC SUPPORTS

- ▶ Academic Advising
- ▶ Academic Support Zone
- ▶ Writing Coaching
- ▶ Study Clubs (peer-assisted group learning for STEM courses)
- ▶ Academic Skills Development Workshops
- ▶ One-on-One Academic Skills Advising
- ▶ Course Planning & Registration
- ▶ Library
- ▶ Student Accessibility Services

HEALTH & WELLNESS

- ▶ Medical Services
- ▶ Mental Health Services
- ▶ Health Promotion Programming & Skill Building

FIRST-YEAR EXPERIENCE

- ▶ Pre-arrival Online Transition Modules
- ▶ Welcome Day & Orientation
- ▶ Peer Mentor Program
- ▶ Global Ambassador Program
- ▶ Northern Nature Connect Program
- ▶ Positivi-Tea
- ▶ Intercultural Immersion Program

CAREER PLANNING

- ▶ Career Advising
- ▶ Resumé Writing, Interview Preparation, Skill Development, and Job Bank
- ▶ Co-operative Education Services
- ▶ Job & Employment Fairs
- ▶ On- and Off-Campus Job Opportunities
- ▶ Co-Curricular Record

TOP 5 IN ONTARIO FOR STUDENT SERVICES

(Primarily Undergraduate, Maclean's, 2024)

FINANCIAL

- ▶ Financial Planning & Budgeting Support
- ▶ Scholarships, Bursaries & Awards

MORE SUPPORTS

- ▶ Office of Human Rights & Equity
- ▶ Daycare (Thunder Bay)
- ▶ Off-Campus Housing
- ▶ Food Resource Centre
- ▶ Ombudsperson
- ▶ Security Services
- ▶ Lakehead University Student Union



I was a peer tutor and mentor in the Academic Support Zone. I offered math tutoring across various programs and assisted with engineering courses during the school year and summer transition. The Academic Support Zone is a welcoming environment where students can receive personalized and group tutoring, guidance on study strategies, assistance with practice problems, and support for writing research papers and proper citation practices. The Zone is also a great place to relax, study alone or with friends, enjoy a cup of coffee and some snacks, and engage in meaningful conversations. I've noticed that students who visit the Zone leave feeling more confident and supported, knowing they have someone who genuinely cares about their academic success and well-being."



Hear Krish's
VALEDICTORY
ADDRESS



Krish Khokhani
Mumbai, India
Mechanical Engineering
and Mathematics Graduate

LEARN BEYOND THE CLASSROOM

Lakehead University offers you hands-on experience related to your field of study before you even graduate, giving you a competitive advantage as you enter into your career. The following icons are throughout the Viewbook indicating which programs offer these experiential learning opportunities:

100%

OF STUDENTS TAKE PART IN
**EXPERIENTIAL
LEARNING**



CO-OPERATIVE EDUCATION

With more than 27 co-op programs at Lakehead, you have the opportunity to graduate with hands-on, practical experience and gain an understanding of what it is like to work in your chosen field. Co-operative education is a form of work-integrated learning in which academic terms alternate with work terms. This allows you to earn additional money while working full-time with a co-op employer partner. See page 25 for more details.

Lakehead co-op students have worked with over 140 national and international companies, including:

- Amazon
- Bombardier Aerospace
- Bank of Canada
- Facebook
- IBM
- Hydro One
- Canadian Securities Intelligence Service
- BlackBerry
- Boeing
- WestJet
- And many more!



INTERNSHIPS

Many of our programs include internship opportunities. Translate the concepts and principles learned in the classroom into practical skills in the workplace. Research internships are great opportunities to enhance your field of study and can often lead to summer or even full-time employment opportunities.



COMMUNITY ENGAGEMENT

Community service learning provides Lakehead students the opportunity to link your studies with our local communities. Many of our courses allow you to contribute towards helping address critical social issues in our neighbourhoods.



UNDERGRADUATE & GRADUATE RESEARCH

Lakehead is one of Canada's Top Undergraduate Research Universities. At most universities, the opportunity to get involved in research is unlikely during your undergraduate years. At Lakehead, we encourage our undergraduate students to seek out research opportunities. Work alongside world-renowned researchers to build the academic skills needed to develop new knowledge and understanding that contributes to your field of study and meaningful change within society.



PRACTICUMS, PLACEMENTS & FIELD EXPERIENCE

Many of our programs have integrated practicums and placements, or the opportunity for field schools and trips. These experiences can range from a six-week clinical placement in Nursing, field practice experiences with human service agencies in Social Work, or exploring the ecosystem of a natural, environmentally protected bog in Environmental Sciences.



GLOBAL ME

As an international student, you can complete a one- or two-semester study-abroad exchange at one of Lakehead's many partner universities. Get credit toward your degree and further enhance your cultural intelligence.

MY INCREDIBLE JOURNEY

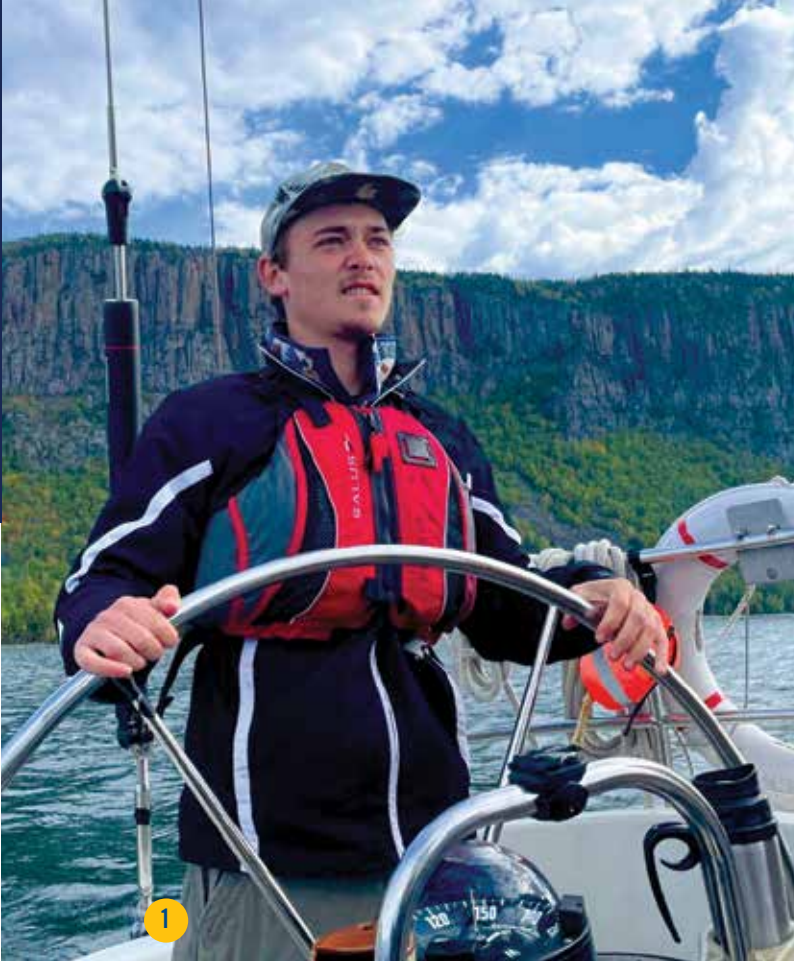
“Singapore was a mix of wonderful experiences and learning opportunities. From the moment I landed in the city, my expectations soared regarding its sustainability practices and the deep connection to nature that society embraces. Coming all the way from my hometown in Mexico and my university in Canada, the lifestyle and culture felt so different – yet incredibly exciting.

I had the opportunity to take two major courses in sustainability and urban life sciences at NTU, one of the most prestigious schools in Asia! My learning experience was greatly enriched by professors and students from all around the world who shared their thoughts, perspectives, and experiences on how Singapore became one of the leading countries in sustainable development.”

Mateo Velasco Alva from Mexico
Environmental Sustainability
Student on exchange
in Singapore



lakeheadu.ca/globalme



1



2



3

1. Multi-day excursions in Outdoor Recreation, Parks & Tourism
2. Night surveys & fieldwork in Biology
3. International Field School in Forestry, Shai Hills, Ghana
4. Professional internships in the media & film industry
5. Nursing clinicals starting in year one



4



5

RESEARCH

Students at both the undergraduate and graduate levels thrive in Lakehead's vibrant research environment. With opportunities for hands-on learning and collaboration with faculty experts, students delve into innovative projects across various disciplines, preparing them for impactful careers and contributing to cutting-edge discoveries in their fields.



27 *Cutting-edge*
RESEARCH CHAIRS

14 *Revolutionary*
**RESEARCH CENTRES
AND INSTITUTES**

Designated
**INNOVATION & ECONOMIC
PROSPERITY UNIVERSITY**

As one of only two universities in Canada with this designation, Lakehead is recognized for its achievements in innovation and entrepreneurship, technology transfer, talent and workforce development, and community development.

*Alejandro's
Story*



UNDERGRADUATE FUNDING FOR PANDEMIC RESEARCH

Lakehead's personalized education gives you an edge in graduate applications. The undergraduate experience Alejandro gained in viral bioinformatics during his time at Lakehead gained him direct entry into Penn State University where he is doing his PhD in Bioinformatics and Genomics.

"When I began my undergraduate studies, not only was I able to be a research assistant at the Summer School of Medical Imaging in the Thunder Bay Regional Health Research Institute, I was a co-author on an article with my professor and a PhD student to outline our findings. A year later, I received a MITACS Research Award that funded my research project relating to SARS-CoV-2 (COVID-19). I worked on predicting the most likely mutants of SARS-CoV-2 at the main protease level to determine which therapeutic options against the mutants would be most effective. As an aspiring scientist, to have had these opportunities so early in my career was exciting."

Alejandro Ortigas-Vásquez
Peru, Bioinformatics Graduate





CO-OPERATIVE EDUCATION

Enrich your academic studies with periods of work where you will deepen your knowledge of your field while you earn additional money and build your resumé for the future.

A HEAD START ON YOUR CAREER

- ▶ Full-time, paid work experience in your field for 4-16 months (length varies by program)
- ▶ Earn \$20-\$25 CAD per hour on average
- ▶ Co-op students participate in a supported, independent job search, gaining skills to succeed in competitive industry interviews
- ▶ During your co-op work term, you only pay a small administrative fee and you don't pay tuition
- ▶ Lakehead co-op students have worked with over 140 national and international companies

 lakeheadu.ca/coop

PROGRAMS THAT OFFER CO-OP

Lakehead University offers co-operative education options at both the undergraduate and masters levels in a number of disciplines. For details, see the program chart on the back cover.

- ▶ Honours Bachelor of Commerce: Accounting, Business Administration, Business Analytics & Information Systems, Finance, Human Resources Management/Industrial Relations, Marketing
- ▶ Computer Science
- ▶ Economics
- ▶ Engineering
- ▶ Environmental Management
- ▶ Environmental Sustainability
- ▶ Forestry
- ▶ Geography (Environmental Science)
- ▶ Kinesiology
- ▶ Physics



Hear about
SHERIF'S CO-OP



Lakehead provided me with exceptional educational experiences and networking opportunities that led me to my dream job at Amazon.

In addition to a co-op work term at BlackBerry in Toronto and a research position with scholarship (thanks to one of my professors), I spearheaded a research project to build a cardiovascular disease predictive model, which led to a publication in the Institute of Electrical and Electronics Engineers (IEEE) International Conference on Fuzzy Systems."

Manpreet Singh

India

Master of Computer Science Graduate
Software Development Engineer, Amazon



WORKING DURING & AFTER STUDIES

ON- AND OFF-CAMPUS JOBS

As a full-time international student, you are eligible to work off-campus up to 24 hours per week during the academic school year and full-time hours during regular study breaks in your program. There is no limit to on-campus working hours. Not only can you earn money to put toward your studies, you will also gain valuable Canadian work experience that will enhance your resumé. Students and alumni have access to the Lakehead University job bank and career services.

JOB SEARCH SUPPORT

We are devoted to your success in employment both during university and after graduation. Whether you're looking for a part-time job during your studies, a co-operative education term position, or your dream job after graduation, the Career Zone provides a range of services and opportunities, including:

- ▶ career fairs that allow you to network directly with prospective employers and explore future careers
- ▶ resumé development assistance
- ▶ interview preparation workshops
- ▶ one-on-one career advising
- ▶ online job bank
- ▶ career exploration resources

🔗 lakeheadu.ca/careerzone

AFTER GRADUATION

International students who graduate are eligible to apply to stay in Canada and work as part of the post-graduate work permit program for up to three years after graduation.

EMPLOYMENT RATE:

93.4% **96.2%**

WITHIN 6 MONTHS
of graduation

Above the Ontario rate of 90.6%

WITHIN 2 YEARS
of graduation

Above the Ontario rate of 94.1%

\$17.60 CAD

MINIMUM HOURLY WAGE in Ontario

After completing our first-year clinical Nursing placement, Lakehead provided us with the opportunity to work as Personal Support Workers (PSWs) at Hogarth Riverview Manor. After accessing Lakehead's Career Services resources for application and interview assistance, I was fortunate to secure a position there, and it has been an incredibly rewarding extension of my academic journey. My role includes assisting with activities of daily living, supporting residents with mobility, and fostering social engagement. Working in long-term care has given me a deep appreciation for continuity of care and the importance of developing strong therapeutic relationships with residents and their families. **I love being able to make a tangible difference in someone's quality of life each day. This role directly aligns with my career goals of becoming a registered nurse who is both clinically skilled and compassionately grounded."**



Mmesoma Nwanonenyi, Nigeria
Bachelor of Science in Nursing Student

UNDERGRADUATE SCHOLARSHIPS

#1 *IN Ontario*
FOR STUDENT AWARDS
Among Primarily Undergraduate Universities
MACLEAN'S RANKINGS 2025

Take advantage of one of Canada's most generous university scholarship programs.
We make paying for your university degree easier so you can focus on your education.

RENEWABLE UNDERGRADUATE ENTRANCE SCHOLARSHIPS

Automatically awarded. No application required.

Non-Canadian citizens who are entering Lakehead University from a high school, or who are transferring from an international college or university, will be considered for the Undergraduate Entrance Scholarships. The scholarship is available to the top international students applying to Lakehead University for 2026-2027. Visit the website for complete terms and conditions: lakeheadu.ca/entrance-scholarships-international

Academic Average (Canadian Equivalent)	IB Average	Scholarship Total (Value Per Year)
90.0% & OVER	35+ =	\$40,000 CAD (\$10,000 x 4 years)
80.0% - 89.9%	30-34 =	\$30,000 CAD (\$7,500 x 4 years)
75.0% - 79.9%	28-29 =	\$6,000 CAD (\$6,000 in Year 1 only)

GRADUATE ASSISTANTSHIPS & FACULTY RESEARCH AWARDS FOR GRADUATE STUDENTS

Limited Graduate Assistant appointments are offered to some full-time graduate students when Letters of Acceptance are issued. No additional application is required. Faculty Research Awards are awarded to selected students by their supervisor. lakeheadu.ca/graduate-funding

FEES & FINANCES

ESTIMATE YOUR COSTS ▶
lakeheadu.ca/cost-estimator



Going to university will be one of the biggest and most important investments you will ever make. Below are details to help you understand the costs involved and prepare a budget.

UNDERGRADUATE (8 months)

\$30,236 - \$40,314 CAD

\$1,389 - \$1,743 CAD

\$1,000 - \$2,000 CAD

\$11,429 - \$15,037 CAD

\$8,334 CAD*

\$792 CAD

\$1,500 CAD

TUITION
ANCILLARY FEES
BOOKS
ON-CAMPUS (Room & Food)
ON-CAMPUS (Room Only)
UHIP (Health Insurance)
PERSONAL EXPENSES

GRADUATE (12 months)

\$23,000 - \$32,960* CAD

\$833 CAD

\$1,000 - \$2,000 CAD

\$16,629 - \$20,237 CAD

\$11,934 - \$12,618 CAD*

\$792 CAD

\$2,250 CAD

Amounts are in Canadian dollars and reflect the 2025-2026 regular academic year prices. Tuition varies by program.

*This range is for all graduate programs except the MBA. The MBA tuition fees are \$44,290 (12-month). * Individual meal plans available for purchase.

OUR FACULTIES

Lakehead University is celebrated as one of Canada's leading academic institutions with 85+ programs. Whether you enter directly into one of our undergraduate or graduate programs, you can be confident that Lakehead offers the perfect blend of theoretical and experiential learning.

UNSURE OF YOUR MAJOR?

EXPLORE LAKEHEAD'S
AREAS OF STUDY:



*Program
Navigator*

PHOTO: DANIELLA WEAVER

Areas of Study



**BUSINESS
ADMINISTRATION**
PAGE 30



ENGINEERING
PAGE 32



**SCIENCE &
ENVIRONMENTAL STUDIES**
PAGE 34



**NATURAL RESOURCES
MANAGEMENT**
PAGE 40



EDUCATION
PAGE 38



**SOCIAL SCIENCES &
HUMANITIES**
PAGE 36



**HEALTH & BEHAVIOURAL
SCIENCES**
PAGE 41



LAW
PAGE 44



MEDICINE
PAGE 44



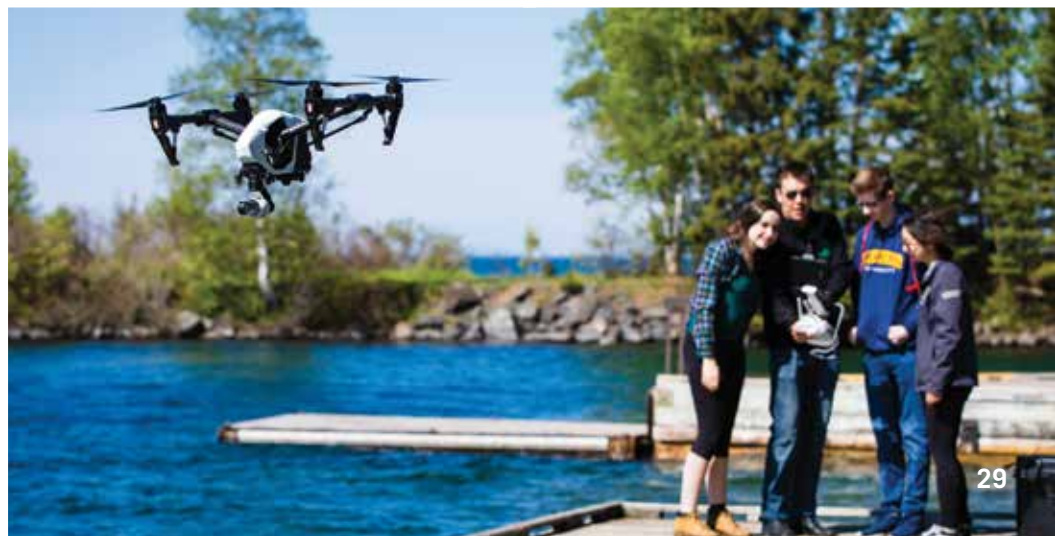
NEW
BARRIE STEM HUB
PAGES 42 - 43



TOP 100

in the World

(Times Higher Education
Global Impact Rankings 2025)





Highlights

CPA Accredited

Accounting majors graduate with the requirements of the CPA Prerequisite Education Program (PREP).

CFA Institute University Affiliation Program

Finance major incorporates at least 70% of the CFA Program Candidate Body of Knowledge (CBOK) and places emphasis on the CFA Institute Code of Ethics and Standards of Professional Conduct.

Human Resources Professionals Association (HRPA)

Human Resources majors graduate with all the required courses that have been approved by HRPA for use toward one of the Certified Human Resources designations (CHRP, CHRL, CHRE).

Co-op Advantage

Gain hands-on experience and earn a competitive salary by participating in a co-op work term directly suited to your major.

Work-Integrated Learning

Students compete in regional and national business competitions as well as class projects with community organizations.

FACULTY OF

BUSINESS

ADMINISTRATION & COMMERCE

The AACSB globally recognized hallmark of excellence, held by **only 6%** of the world's business programs, guarantees a challenging and relevant curriculum delivered by the most highly qualified faculty.

A business education at Lakehead will prepare you to navigate the increasing complexities of the global business environment. Our lectures and seminars connect you to the business world through theory, experiential learning, teamwork, and engaging discussions. With guaranteed smaller class sizes, you will work in small group settings while interacting closely with your instructors. Refine your ability to think critically, work effectively in teams, communicate, and solve problems – all skills employers look for in future hires.

PROGRAMS

-  Accounting
 -  Business Administration
 -  Business Administration (MBA)
 -  Business Analytics & Information Systems
 -  Business Management
 -  Business Economics
 -  Finance
 -  General Management
 -  Human Resources Management / Industrial Relations
 -  International Business
 -  Marketing
-  Undergraduate Programs  Graduate Programs

CAREER OUTCOMES

- ▶ Accountant
- ▶ Sales Account Manager
- ▶ Marketing Specialist
- ▶ Financial Analyst
- ▶ Commercial / Investment Banker
- ▶ Human Resource Officer
- ▶ Supply Chain & Logistics Coordinator
- ▶ IT Specialist
- ▶ Entrepreneur
- ▶ Manager & Executive
- ▶ Controller
- ▶ CEO



International
DUAL DEGREES



Check out our **International Dual Degrees** offered in collaboration with our European partner universities: Rennes School of Business (France), Pforzheim University (Germany), and Northumbria University Newcastle (United Kingdom).

Earn two undergraduate degrees in four years, and study and live abroad without paying additional tuition!



For my final year capstone project, our group collaborated with the Thunder Bay Police Service, working closely with them to understand real-world challenges they were facing. I found it especially fulfilling to work on something that had a real impact on the local community I've called home throughout my time at Lakehead. Although conducting this in-depth research was intense, presenting our findings and solutions to the organization felt like a real consulting experience and gave me valuable exposure to client communication, research, teamwork, and public speaking. Through Lakehead, I found out about the Impact Mentoring Program in first year in which I was assigned to an RBC senior manager who met and mentored me every two weeks. I learned a lot of important lessons from him, and following his advice helped me land my current job at Deloitte, which I secured within a couple months of graduating."



Labwa Chowdhury, Bangladesh

HBComm, Business Analytics & Information Systems Graduate
Dual Degree with Rennes School of Business in France
IT Audit Consultant, Deloitte

93%
Employed
WITHIN 2 YEARS
OF GRADUATION

Not all business
schools are created equal.
We're definitely **not business
as usual** at Lakehead.



AACSB Accredited

*One of the 6% of business programs
worldwide that is accredited by the
Association to Advance Collegiate
Schools of Business.*

Read More

Directory for Program Details on Page 45





Highlights

Degree + Diploma

The only place in Canada where you earn a Bachelor of Engineering Degree and an Engineering Technology Diploma in only four years!

CEAB Accredited

Lakehead's Bachelor of Engineering degrees are subject to accreditation by The Canadian Engineering Accreditation Board (CEAB).

Combined BEng & MBA

The only place in Canada where you can earn a Master of Business Administration (MBA) at the same time as your BEng degree.

Co-op Advantage

Co-op is an option with most of our Engineering degrees. Get paid work as part of your degree and gain professional experience before you graduate!

Iron Ring Ceremony

Our Bachelor of Engineering graduates participate in the "Ritual of the Calling of an Engineer," a ceremony in which graduates receive a ring signifying their devotion to the high standards of integrity and safety that the profession has established.

FACULTY OF

ENGINEERING

Gain the advantage with Lakehead's unique engineering programs that attract students from across Canada and the world.

As a Lakehead Engineering student, you will have access to professors who are expert researchers in their field. Have the opportunity to work alongside them in conducting cutting-edge studies in areas such as forest biorefining, computational fluid dynamics, renewable energy, HVAC, thermal and power systems, electronics and photonics, and semiconductor materials.

Enhance your education by participating in hands-on laboratories, senior design projects, engineering competitions, technical and professional chapters, and more. Lakehead's academic excellence combined with experiential learning and a supportive environment will ensure you graduate ready to take on the big challenges of the future – including the climate crisis, AI, crypto, robotics, renewable energy, affordable housing and access to clean water – and to meet the demands of a global economy.

PROGRAMS

- UG ✦ GR Chemical Engineering
- UG ✦ GR Civil Engineering
- UG ✦ Electrical Engineering
- GR Electrical & Computer Engineering
- GR Environmental Engineering
- UG ✦ GR Mechanical Engineering
- GR Mechanical & Mechatronics Engineering
- UG Mechatronics Engineering
- UG ✦ Software Engineering

✦ + MBA Option

CAREER OUTCOMES

- Chemical Engineer
- Process Engineer
- Environmental Engineer
- Structural Engineer
- Municipal Engineer
- Geotechnical Engineer
- Electrical Engineer
- Telecommunications Engineer
- Electronics Engineer
- Mechanical Engineer
- Aeronautical Engineer
- IT and Project Manager
- Automotive Engineer
- Manufacturing Engineer
- Thermal Engineer
- Software Engineer
- Computer Engineer
- Civil Engineer
- Data Scientist

CO-OP EMPLOYERS

- Bruce Power
- OPG
- General Motors
- Honda
- TBayTel
- Alstom
- JD Barnes Ltd
- Magna International
- Tulloch Engineering
- Enbridge
- EllisDon
- McElhanney Ltd
- BC Hydro
- AECOM
- Resolute Forest Products

UG Undergraduate Programs GR Graduate Programs



See what
DAVID IS
DOING NOW



David King Owusu Marfo, Ghana
MSc Civil Engineering Graduate
Junior Geotechnical Engineer

During an assistantship with one of my professors, I conducted a literature review on the conversion of carbon dioxide to DME, a substance that is a substitute for gasoline as we are moving towards green energy. It was really insightful research. I then secured a co-op position with CSL Environmental & Geotechnical Ltd, a local engineering and environmental company, and they offered me a full-time position after I graduated."



96.4%
Employed
WITHIN 2 YEARS
OF GRADUATION

We believe Engineering is
for everyone - including **you**.



**DEGREE + DIPLOMA
IN 4 YEARS**

Read More

Directory for Program Details on Page 45





Highlights

Professional Accreditation

Graduates of Geology and Chemistry will be prepared for professional accreditation that will provide a firm foundation upon which to build a career.

Pursuing a Career in Medicine?

Our Applied Life Sciences and Physics programs are a pathway towards a future in medicine.

Specialize in Game Programming

Reach far beyond theory and practice, and drive innovation in Computer Science! Join the exciting world of video game art and design.

Exploration Pathway: Science One

Have an interest in science, or a passion for discovery, but are unsure which specific science program to choose? Choose **Science One** and take courses from a variety of scientific and environmental disciplines.

FACULTY OF

SCIENCE & ENVIRONMENTAL STUDIES

Lakehead University's geographic locations present a perfect natural laboratory for your education in the disciplines of science and environmental studies. You will benefit from the enriched learning environments that only smaller class sizes can offer.

Learn both inside and outside the classroom through invaluable fieldwork and laboratory work beginning in year one using sophisticated, state-of-the-art tools and equipment. You will also have opportunities to be engaged in exciting research projects, working alongside leading scientists on projects that inspire your learning while you contribute towards the creation of new knowledge.

PROGRAMS

- UG Anthropology
- GR Archaeological Sciences
- UG Applied Life Sciences
- UG Bioinformatics
- GR Biotechnology
- UG GR Biology
- UG GR Chemistry
- GR Chemistry & Material Science
- UG GR Computer Science
- UG Earth Science
- UG GR Economics
- UG Environmental Science
- UG GR Environmental Studies
- UG Environmental Sustainability
- UG General Science/ Science One
- UG Geoarchaeology
- UG Geography
- UG GR Geology
- UG Mathematics
- UG Mathematical Physics
- GR Mathematical Sciences
- UG Natural Science
- UG GR Physics
- UG Resource & Environmental Economics
- UG Water Science

UG Undergraduate Programs GR Graduate Programs

CAREER OUTCOMES

- Toxicologist
- Forensic Examiner
- Horticulturist
- Mycologist
- Naturopathic Physician
- Exploration Geologist
- Veterinarian
- Geochemist
- Diagnostic Audiologist/Radiologist
- Meteorologist
- Nuclear Physicist
- Oceanographer
- Optometrist
- Petrophysicist
- Actuary
- Industrial Hygienist
- Geomatics Technician



If I had to pick a university all over again, I would – a million times over – pick Lakehead and pick coming to Canada. It's really fun to learn all about the environment in the classroom, but when you get to go outside and actually see and touch what you learned about, that gives extra value. I did my thesis on plastic degrading bacteria with samples at several parks in the area. My thesis supervisor showed me a lot of skills, not only for microbiology, but also for life. I'll be forever grateful to my professors for their knowledge, their patience, and their care to me as not only a student, but also as a human being. Graduating is an amazing point in life, but also I've grown so attached to the people here and the community and the institution."

Hear about
TANIA'S JOURNEY



Tania Olivares Espinosa, Mexico
Environmental Sustainability Graduate



The perfect **natural**
laboratory at our doorstep.

eco  canada

**Nationally Accredited
Environmental Programs**

Read More

Directory for Program Details on Page 45





Highlights

Unique Programs

One of its kind in Canada, Outdoor Recreation, Parks & Tourism integrates theoretical and applied perspectives in areas such as therapeutic recreation, nature-based tourism, and protected areas management.

Make a Difference

Work alongside faculty who will help you challenge and develop ideas in the arts and social sciences, and bring about positive social change in our communities.

Hands-On Learning

Enrich your degree with experiential opportunities outside of the classroom such as the Media Arts Showcase, Public History Field School, Visual Arts Internship, Life Writing in the Community, Music Ensemble Performance, and more.

Exploration Pathway: Arts One

Feeling uncertain as to which program is right for you? **Arts One** allows you to explore a range of disciplines without having to select a particular major until the end of your first year.

FACULTY OF

SOCIAL SCIENCES & HUMANITIES

Make a difference. Be the change you want to see in the world.

In our Social Sciences and Humanities programs, you will thrive in our dynamic and vibrant learning environment, with small classes, high-impact practices, and award-winning faculty who know your name and guide you toward success. Our graduates are ready to make a difference in the arts, health, technology, and so much more.

PROGRAMS

- UG Criminology
- UG English
- GR English & Cultural Studies
- UG Gender & Women's Studies
- UG General Arts/Arts One
- UG GR History
- UG Indigenous Learning
- UG Interdisciplinary Studies
- UG Languages
- UG Media, Film & Communications
- UG Music
- UG Outdoor Recreation, Parks & Tourism
- UG Philosophy
- UG Political Science / Pre-Law
- GR Social Justice
- UG GR Sociology
- UG Visual Arts

UG Undergraduate Programs GR Graduate Programs

CAREER OUTCOMES

- Community Organizer
- Cultural Arts Director
- Editor
- Program Manager
- Mediator
- Musician
- Operations Supervisor
- Police Officer
- Policy Analyst
- Project Manager
- Recreation Coordinator
- Social Media Director
- Teacher
- Translator
- Visual Artist
- Web Designer



During my internship at Information Orillia, my favourite project was creating a promotional video. When I showed it to my supervisor, she teared up. I think the power that small office held was really strong and it made me feel like my job was important and made me love what I was doing even more. It was a really strong moment for me to realize what I wanted to do in the future. I also had the opportunity to do an exchange in Seoul, South Korea. I became really close with two students from Finland. I became a whole extension of them. I had a Finnish name and waved the Finnish flag during the global fair at the university. The two of them even came with me to Vietnam right after the semester and stayed with my family, and we travelled in Vietnam together."

Hear
**YVONNE'S
STORY**



Yvonne (Hai Yen) Hoang, Vietnam
Media, Film & Communications Graduate

Join the **next generation** of **global citizens** in one of our engaging **Social Sciences & Humanities** programs.



Read More

Directory for Program Details on Page 45





Highlights

105 Days of In-Class Placements

Gain exceptional insight and on-the-job training.

Accelerated Programs

Complete your 4-year undergraduate degree and 2-year Education degree in just 5 years. Majors include: English, History and Kinesiology.

Acclaimed Faculty & Research

Learn from professors who are experts and active researchers in their areas of study, including:

- ▶ Early Literacy and Numeracy
- ▶ Math and Science Education
- ▶ Environmental Education
- ▶ Arts Integrated Inquiry
- ▶ Indigenous Education
- ▶ Large-Scale Testing and Evaluation

FACULTY OF

EDUCATION

Lakehead has a rich history educating future educators. Our approach supports the discovery of your own teaching style while exposing you to real-world challenges, allowing you to create inspiring educational experiences.

Your Lakehead degree may lead you to be a classroom teacher in your hometown or internationally. The skills you gain may also lead you to non-traditional educational settings such as adult education, English language schools, children and community development associations, and many more.

PROGRAMS

- UG Concurrent Education - Primary/Junior
- UG Concurrent Education - Intermediate/Senior
- UG Consecutive Education - Primary/Junior
- UG Consecutive Education - Intermediate/Senior
- GR Education for Change (Specializations in Environmental and Sustainability Education, Indigenous Education, and Social Justice Education)
- GR Educational Studies (Optional specializations in Gerontology, Gender & Women's Studies, Cognition and Learning, Social/Cultural/Political Contexts, or Leadership and Policy Studies)
- GR Joint PhD in Educational Studies (Fields of study in Cognition and Learning, Educational Leadership and Policy Studies, and Social/Cultural/Political Contexts of Education)

UG Undergraduate Programs

GR Graduate Programs

CAREER PATH

- ▶ Primary/Junior Teacher
- ▶ Principal
- ▶ Second Language Teacher
- ▶ Intermediate/Senior Teacher
- ▶ Education Director
- ▶ School Counsellor
- ▶ Adult Literacy Teacher
- ▶ Athletics Director
- ▶ Youth Worker
- ▶ Training & Development Specialist
- ▶ Park or Museum Interpreter
- ▶ Community Development Officer
- ▶ Curriculum Developer



My professors implemented the word 'supportive' in tangible ways, and responded to emails promptly. They never hesitated to offer advice based on their real experience. All of this was to help us internalize the idea that building a positive and supportive learning environment for students is the foundation of being a teacher. All of the assignments are related to the real world, and we could use them in our placements and future career. During my placements in Canadian classrooms, I met a friendly, kind, and responsible associate teacher who taught a wonderful class of students. Knowing them, teaching them, and having meaningful conversations with them was the best part of my practicum."



Yichen Zhang, China
Chemistry & Concurrent Education Graduate
High School Teacher (O.C.T.) in Guangzhou, China

A photograph of a classroom. In the foreground, a female teacher with blonde hair and glasses is sitting at a desk, looking towards a young girl on the left. The girl is holding a yellow pencil. In the background, other students are seated at desks, some writing. A green water bottle is on the desk.

98.4%
Employed
WITHIN 2 YEARS
OF GRADUATION

Leading the way
for a **brighter future.**

Read More

Directory for Program Details on Page 45





Highlights

Unique CFAB-Accredited Program

Natural Resources Management holds the only Bachelor of Science in Forestry program in Ontario, which is nationally accredited by the Canadian Forestry Accreditation Board.

Professional Associations

Forestry graduates have the academic credentials to become Registered Professional Foresters anywhere in Canada.

Field School

Annual field schools starting in first year, with international opportunities in upper years.

Silver Ring Membership

Both our undergraduate programs are recognized by the Canadian Institute of Forestry Silver Ring Program, a national recognition of academic quality and skills of graduating students.

Student Life

The Natural Resources Student Society (NRSS) has many social activities during the year, including a Timber Sport team that competes nationally.

FACULTY OF

NATURAL RESOURCES MANAGEMENT

100%
Employed
WITHIN 2 YEARS
OF GRADUATION

We're more than trees — a modern approach to environmental stewardship in an unbeatable setting on the doorstep of Canada's great boreal forest and the world's largest freshwater lake.

Through academic classes, advanced lab work, as well as unparalleled outdoor field school opportunities, you will gain a balanced view of the social, economic and environmental challenges of stewardship. Lakehead's programs will prepare you to take an active role in the sustainability of the world's most important resources.

PROGRAMS

- UG Environmental Management (Specializations in Conservation Planning & Management; Sustainable Land Use; or Wildlife Conservation & Management)
- UG ✦ GR Forestry (Undergraduate specializations in Forest Health & Protection; Forest Management; or Forest Products & Marketing)
- GR Natural Resources Management

✦ + MBA Option

CAREER PATHS

- Conservation Specialist
- Ecologist
- Environmental Scientist
- Invasive Species Specialist
- Land Steward
- Operations or Urban Forester
- Renewable Energy Private Consultant
- Silviculturist
- Wildlife Biologist
- Wood Products or Industry Manager

- UG Undergraduate Programs
- GR Graduate Programs



International
DUAL DEGREES



TRANSATLANTIC FORESTRY MASTERS

Earn a Master of Forest Management (MFM) from Lakehead University and a master's degree from one of five participating universities in Europe.

When I was researching universities, I discovered that Thunder Bay was surrounded by natural resources and was home to many businesses, research scientists and practitioners in the field of natural resources management. It was an ideal location for me to begin my undergraduate studies. Academic life was rigorous, but lectures were always complemented by hands-on field trips or labs, enhancing the learning process. The faculty was also home to distinguished researchers. It was exciting to have access to state-of-the-art knowledge in our classes. It was at Lakehead with the guidance of my professors that I learned to conduct research. Now I do that very thing for a living."



Shuva Hari Gautam, Nepal
HBSc Forestry Graduate; MSc Forestry Graduate
Associate Professor, Université Laval



Highlights

Practical Experience

Internships, field school and community engagement start in your first year, including regional, national and international opportunities.

Minor in Aging & Health

Gain professional advantage in careers in health promotion, healthcare, health and social policy, research and more.

Experiential Learning

Nursing: Enhance your learning with clinical placement starting in your first year, with specialized placements in upper years.

Psychology: Immersive research opportunities starting in first year to prepare and support you in your academic and professional career.

Social Work: Participate in 110 days of "on-the-job-training" in social agencies or community organizations.

FACULTY OF

HEALTH & BEHAVIOURAL SCIENCES

Our health matters. We make it a priority to play an active role.

Human health in its biological, psychological, social, and ecological context is of interest to everyone, from citizens to governments across the globe. At Lakehead, you will be immersed in an environment filled with innovative research and educational programming that will ensure you play an active role in building a healthy society. Our programs provide a unique, hands-on learning experience with health and social service providers in our campus communities.

PROGRAMS

- GR Health Sciences
- UG GR Kinesiology
- UG Nursing
- UG Psychology
- GR Psychology (Clinical or Psychological Science)
- GR Public Health
- UG GR Social Work

- UG Undergraduate Programs
- GR Graduate Programs

CAREER PATHS

- Kinesiologist
- Physical Education Teacher
- Sports Agent
- Strength & Conditioning Coach
- Lifestyle Coach
- Nurse
- Therapist
- Social Worker
- Researcher
- Probation Officer
- Forensic Psychologist
- Clinical Psychologist
- Epidemiologist
- Public Health Analyst

Kinesiology: One of the only programs in Canada with a formalized co-op program.



See the story of
TENIIFE'S HANDS-ON LEARNING



Read More

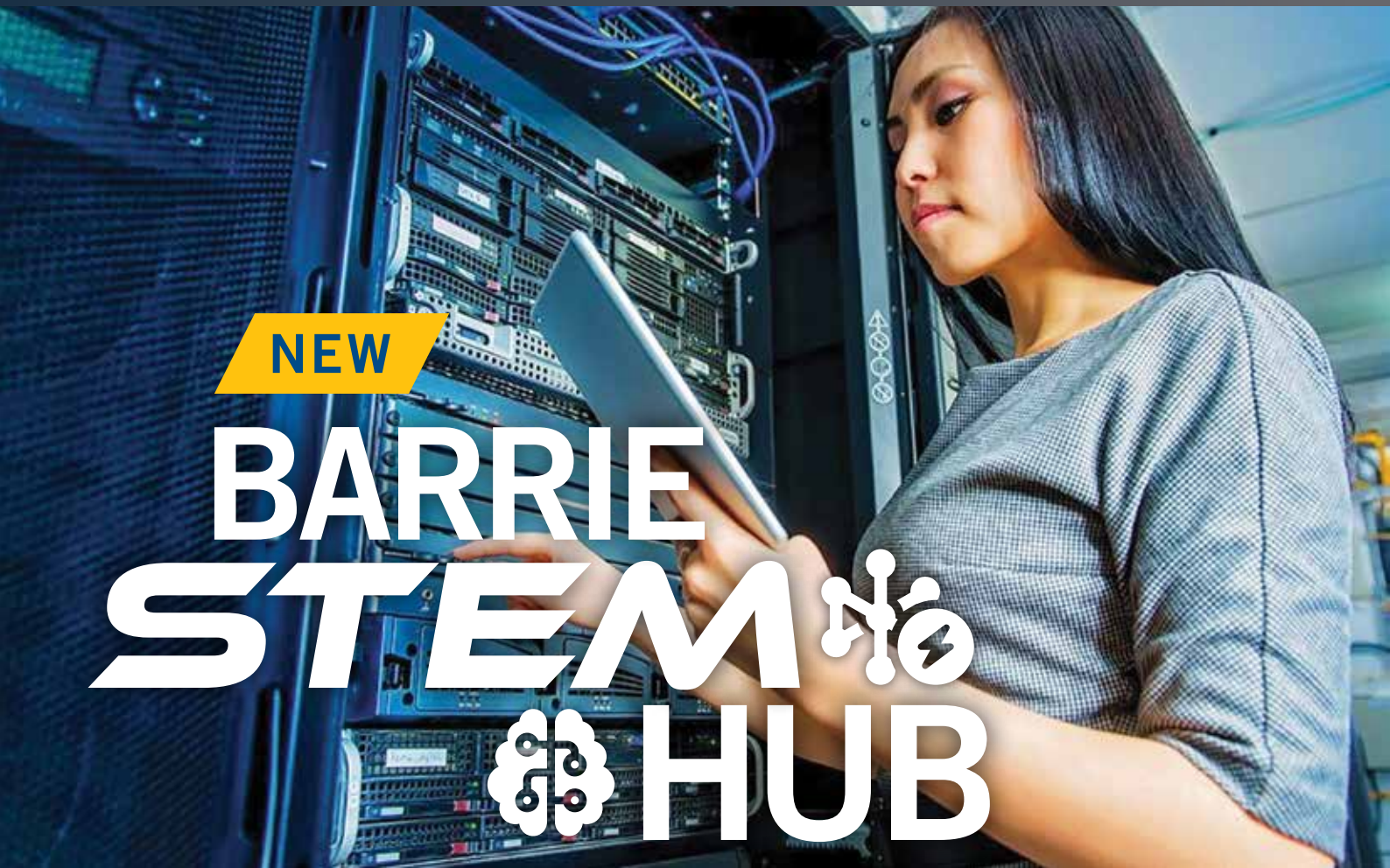
Directory for Program
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One of the most memorable hands-on experiences in my Nursing program was participating at a local outpatient kidney clinic organized by the Northern Ontario School of Medicine University. I got to work alongside experienced health care professionals who took the time to mentor me. They demonstrated critical skills in patient communication and decision-making, which enhanced my clinical knowledge and made me more confident in my abilities. It was an essential part of my nursing education that helped me connect classroom learning to practice, deepening my understanding, and making me feel better prepared for my future career as a nurse."



Alveena Kashf, Malaysia
Honours Bachelor of Science in Nursing Student



NEW

BARRIE STEM HUB

SMALLER CLASSES. SMARTER FUTURES. THIS IS YOUR HUB.

Lakehead University's Barrie STEM Hub offers a next-generation learning environment focused on engineering and computer science. Located in the heart of downtown Barrie, the STEM Hub delivers education in a purpose-built setting focused on what matters most: innovation, mentorship, and real-world experience.

The STEM Hub is where tomorrow's engineers, computer scientists, entrepreneurs, and innovators begin shaping the future through hands-on, high-impact learning in an intimate, high-tech environment.

With smaller class sizes, close mentorship, and strong connections to local industry, the STEM Hub empowers you to explore, innovate, and launch successful careers in STEM fields.

WE DON'T JUST TEACH TECH, WE TEACH REAL-WORLD RELEVANCE.

At Lakehead's STEM Hub, our engineering and computer science programs are built around what employers need today and tomorrow. From computer science and robotics to systems thinking and innovation management, students graduate with in-demand, future-ready skills. The STEM Hub is where inspiration becomes action, and big ideas launch into successful careers.

lakeheadu.ca/barrie

DEGREE PROGRAMS AT EVERY LEVEL

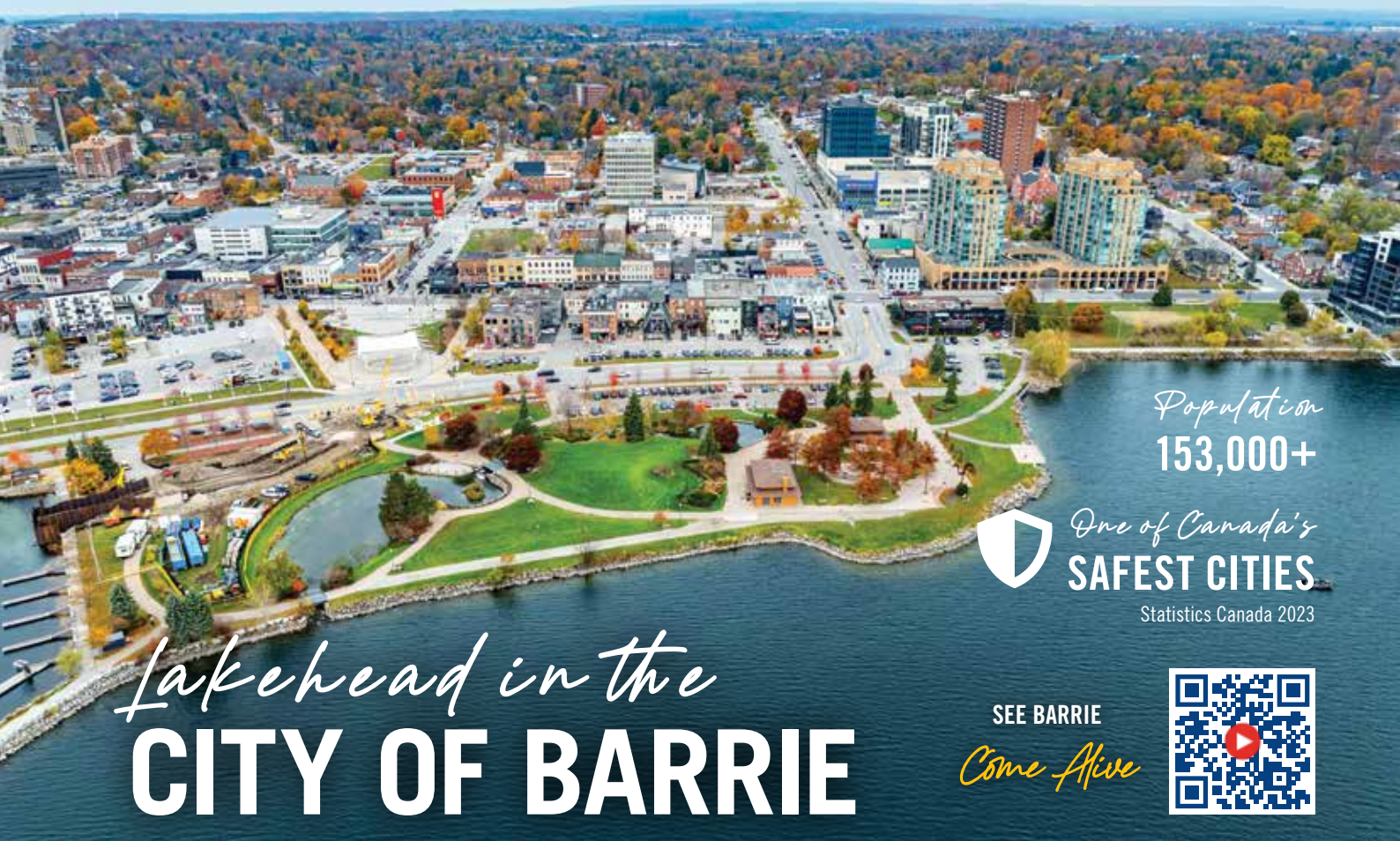
With mentorship from expert instructors, deeper engagement and stronger peer-to-peer collaborations, our degree programs are designed with the future in mind. Your academic learning experiences will be fully aligned with current and emerging industry needs, ensuring you're employment-ready for careers in the computer science and engineering sectors.

From day one, you'll dive into essential concepts like algorithms, artificial intelligence (AI), robotics, complex systems, and innovation, laying a foundation that's both deep and adaptable in an ever-changing tech landscape.

The Barrie STEM Hub offers Lakehead University technology and engineering degrees at the Bachelor, Master's and Doctoral levels:

- UG Electrical Engineering (BEng)* B
- UG Mechanical Engineering (BEng with diploma in Engineering Technology)* B
- UG Software Engineering (BEng with diploma in Engineering Technology)* B
- UG GR Computer Science (HBSc) (MSc*) B
- GR Electrical & Computer Engineering (MSc*) (PhD) B
- GR Mechanical & Mechatronics Engineering (MSc*) (PhD) B

* Co-operative Education is optional, except for BEng Mechanical which has mandatory co-op.



Population
153,000+



One of Canada's
SAFEST CITIES

Statistics Canada 2023

SEE BARRIE

Come Alive



The City of Barrie, just a short one-hour drive north of Toronto or an easy commute by Go Transit, is the perfect place to enjoy a nurturing academic environment with easy access to Canada's largest city.

Downtown Barrie isn't just a backdrop, it's core to the STEM Hub student experience. With stunning waterfront views, cafés and restaurants, vibrant arts and culture, shopping malls, and direct GO Train access to the Greater Toronto Area (GTA), you'll be immersed in a city that blends small-town friendliness with urban energy, natural beauty, and a four-season lifestyle.

tourismbarrie.com

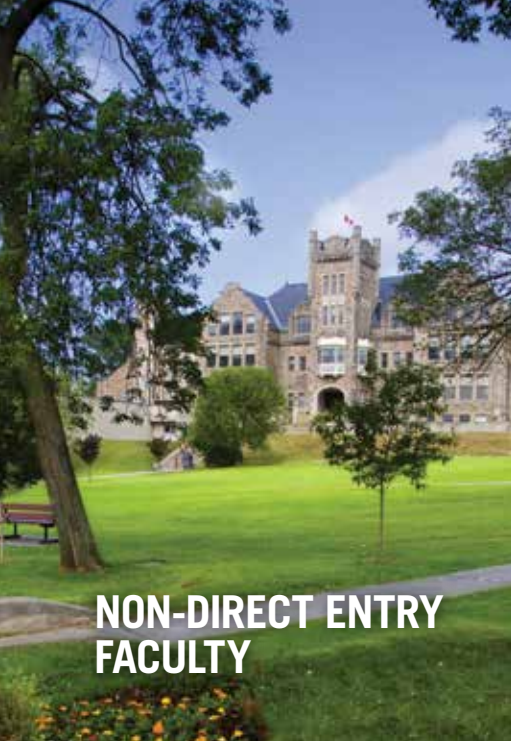
FROM THE CLASSROOM TO YOUR CAREER

Whether you're building software or developing systems, the STEM Hub is designed to connect students with real-world opportunities. With Barrie and the surrounding region emerging as a nucleus of innovation, and through Lakehead's strong industry partnerships, students gain access to start-ups, local tech employers, major manufacturing companies, co-op pathways, and hands-on learning experiences that translate directly to the workplace.

YOUR FUTURE STARTS HERE

- ▶ Local partners and co-op placements
- ▶ Résumé-ready, real-world experience
- ▶ Career-qualified upon graduation





NON-DIRECT ENTRY FACULTY

LAW

An innovative and personal legal education. Fusing theory with practical application.

Lakehead University's Bora Laskin Faculty of Law provides the highest standard of legal education. Our Juris Doctor program focuses on the realities of living and working in the North. We are small. With only 65 students every year, we take full advantage of our small class size. You will receive a personal education, where learning is hands on and your professors are available to you. We offer unique opportunities for you to hone your legal skills at all stages of the program. Lakehead law graduates are ready to serve their communities as skilled advocates and admitted to the Ontario bar without the need to article. Our Faculty of Law has three mandates that guide our delivery of an innovative practice-ready focused curriculum: Aboriginal and Indigenous Law; Natural Resources and Environmental Law; and Small Firm and Solo Practice with the Integrated Practice Curriculum.

law.lakeheadu.ca



PARTNERSHIP PATHWAY TO MEDICAL SCHOOL

MEDICINE



Our partnership with Trinity School of Medicine provides you with a clear, defined path to becoming a practicing MD.

Open to graduates of Lakehead, including international students, Trinity School of Medicine offers its students the opportunity to become licensed medical doctors in both Canada and the United States. Along with priority application review, a waived application fee, and scholarships exclusively available to Lakehead students, Trinity School of Medicine provides a streamlined admissions process. Like Lakehead University, Trinity School of Medicine recognizes the value of hands-on experience, which is why students begin working directly with patients beginning their very first term.

- ▶ Gain global healthcare experience
- ▶ Highly accredited, international medical school
- ▶ First four semesters in St. Vincent and the Grenadines
- ▶ MCAT waived for international applicants
- ▶ Graduates eligible to participate in the annual U.S. and Canadian residency match programs

trinityschoolofmedicine.org



NON-DIRECT ENTRY COLLABORATIVE DVM PROGRAM

VETERINARY MEDICINE

Lakehead University is excited to partner with the University of Guelph on the new Collaborative Doctor of Veterinary Medicine Program.

Lakehead University and the University of Guelph's Ontario Veterinary College are launching a first-of-its-kind veterinary medicine program in Canada. The Collaborative Doctor of Veterinary Medicine Program (CDVMP) will train a new generation of veterinarians to serve northern, rural, remote, and Indigenous communities across Ontario. Starting in 2027, the northern cohort will begin the program in Thunder Bay and complete the program in Guelph.

lakeheadu.ca/cdvmp

PROGRAM DETAILS

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Applied Life Sciences
Archeological Science

B / PAGE 46-47

Bioinformatics
Biology
Biotechnology
Business Administration & Commerce

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Chemistry and Materials Science
Computer Science
Criminology

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Economics
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Engineering - Civil
Engineering - Electrical
Engineering - Electrical & Computer
Engineering - Environmental
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Natural Resources Management
Natural Science (see Biology)
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Public Health

R

Resource and Environmental Economics
(see Economics)

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Social Work
Sociology

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Visual Arts

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Water Science

View all of our
Programs



lakeheadu.ca/program-navigator

Understanding your options...

MAJOR

The subject that is the primary focus of study in university.

DOUBLE MAJOR

A program of study in two subject areas. Requirements for both majors must be satisfied at the same time.

CONCENTRATION

A defined collection of courses embedded into your program that complement your major.

CERTIFICATE

A professional or applied focus outside of your major.

DOUBLE DEGREE

Fulfill the requirements of two degrees from two different areas of study at Lakehead.

CONCURRENT EDUCATION

Study your program of choice, alongside Teacher Education courses.

SPECIALIZATION

A defined collection of courses that focus your expertise within your main area of study.

ANTHROPOLOGY

- **Honours Bachelor of Arts (HBA)** 
- **Honours Bachelor of Arts & Science (HBASc)** 
- **Honours Bachelor of Science (HBSc)** 
- **Concurrent Education** 
- **Master of Science (MSc) in Archaeological Science** 

Anthropologists study humans and our ancestors from archaeological, biological, cognitive, linguistic, socio-cultural, and historical perspectives. Explore various topics, including human evolution and adaptations, archaeological sites and artifacts analysis, paleopathology, archaeological science, and human cultural diversity.

Our courses blend in-class lectures with seminars, labs and fieldwork to provide a well-rounded background in the theoretical and practical applications of your area of interest. With access to high-quality laboratories, anthropological collections, and a community of nationally and internationally recognized experts in Anthropology, you will develop the skills and knowledge required for success in this field.

UNIQUE LEARNING OPPORTUNITIES: Work with a faculty mentor to gain research experience that can lead to exciting discoveries and generate new knowledge. Participate in field school training opportunities that provide hands-on experience in archaeological excavation, laboratory analysis, material culture identification, and mapping.

CAREER PATHS: Archaeologist, Cultural Anthropologist, Physical Anthropologist, Archaeology Review Officer, Cultural Resource Manager, Forensic Scientist, Museum Curator, Cross-Cultural Educator, Medical Anthropologist, Linguist, Foreign Service Officer, Policy Researcher, International Business Consultant.



APPLIED LIFE SCIENCES

- **Honours Bachelor of Science (HBSc)**   — optional concentration in Biomedical Sciences ; optional specializations in Biotechnology or Experimental Life Sciences 

Explore the modern applications of bio-molecular research in anthropology, chemistry, biology, and physics. You'll study living organisms at the molecular and cellular levels and the human manipulation of molecular biological processes, with hands-on learning through laboratory courses, research opportunities and internships. You'll acquire skills in cutting-edge molecular biology, biotechnology and diagnostic methods in state-of-the-art labs on our two campuses.

Applied Life Sciences graduates may go on to pursue a professional degree in medicine, dentistry, pharmacy, or veterinary medicine, or a graduate degree in biotechnology or public health.

UNIQUE LEARNING OPPORTUNITIES:

Participate in life sciences research in cancer, immunology, biorefining and more. Work one-on-one with your professor for course credit in a research internship. Study for a term or a year at another Lakehead campus or abroad and receive credit towards your program requirements.

CAREER PATHS: Microbiologist, Epidemiologist, Diagnostic Radiologist, Forensic Lab Analyst, Geneticist, Food Analyst, Biotechnical Engineer, X-ray Technician, Environmental Chemist, Biotechnology Patent Lawyer.



B

BIOINFORMATICS

- **Honours Bachelor of Science (HBSc)** 

Lead the way in the next stage of scientific evolution. Integrate knowledge and tools from mathematics, computer science, biology, chemistry and physics in developing information models for explaining living systems. Analyze biological information with mathematical equations to describe molecular interactions dictated by chemistry and physics to understand how living systems work. Bioinformatics can be used to study many important topics in the Life Sciences, including gene therapy, drug discovery, personalized / molecular medicine, ecology, and microbiology.

UNIQUE LEARNING OPPORTUNITIES: One of the few universities in Canada that offers the opportunity to study bioinformatics as a stand-alone major. Select opportunities exist for hands-on learning in research assistantships.

CAREER PATHS: Medical Imager, Geneticist, Cellular Biologist, Microbiologist, Computer Scientist, Bioinformatician, Data Developer, Genome Analysis Technician, Computational Biologist, Biochemist.



BIOLOGY

- **Honours Bachelor of Environmental Science (HBESc)** 
- **Honours Bachelor of Science (HBSc)** — optional concentrations in Animal Sciences, Plant Sciences, Biodiversity & Conservation 
 - **Majors:** Biology, Natural Science 
 - **Double Majors:** Biology and Chemistry, Natural Science and Outdoor Recreation 
- **Concurrent Education** 

- **Master of Science in Biology (MSc)**  
- **Doctor of Philosophy in Biotechnology (PhD)** 

Satisfy your curiosity about structures and functions of biota in the natural world by studying biology in a way that suits your career aspirations. Whether outdoors or in the lab, you will do hands-on work on local and global issues in ecology and evolution, biodiversity conservation, disturbance ecology, restoration ecology and ecosystem recovery, aquatic ecotoxicology, environmental microbiology, bio-refining, bioenergy, plant science, animal science and much more. Our location in the Boreal Forest and at the shore of the largest freshwater lake in the world makes Lakehead University the ideal institution to study Biology. Intensive local field trips and schools exploit our natural and managed forests, lakes, bogs, and wildlife.

UNIQUE LEARNING OPPORTUNITIES: Diversify your studies with a double major in Biology and Chemistry or focus on specific areas of interest with concentrations in Animal Sciences, Plant Sciences, Biodiversity and Conservation. Access Instrumentation Labs, where you'll learn to operate the tools and equipment to conduct your research, generate, analyze and interpret data and write scientific reports/theses under the guidance of experienced professors. This practical knowledge gives you an advantage when applying to graduate/professional school or a science-based job.

Our PhD program in Biotechnology is a research-based, interdisciplinary program which focuses on the professional development of scientists in two areas of specialization: Medical Biotechnology and Environmental Biotechnology with a focus on toxicology, waste, and emissions.

CAREER PATHS: Botanist, Zoologist, Interpreter in National and Provincial Parks and Ecological Reserves, Conservation Biologist, Marine Biologist, Microbiologist, Medical Geneticist, Forensic Laboratory Analyst, Environmental Health Officer, Biochemist, Bioinformatics Specialist/ Programmer, Operations Research Analyst.



BUSINESS

- **Honours Bachelor of Commerce (HBComm)**  
 - **Majors:** Accounting, Business Analytics & Information Systems, Business Economics, Finance, General Management, Human Resources Management/Industrial Relations, International Business, Marketing 
 - **Major:** Business Administration 
- **Master of Business Administration (MBA)** 
- **Master of Science in Management (MScMgt)** 

Business studies will allow you to tailor your degree to enhance your future career aspirations. The first 2 years of the Honours Bachelor of Commerce program provide a comprehensive understanding of core business disciplines. Students select one of the 8 majors available as early as year one or before entering year three, focusing on specific fields of study and exploring a range of advanced courses. The MBA will help students gain a comprehensive and integrated knowledge of management functions, while preparing them to be analytical decisions-makers, effective communicators and business leaders, who will be able to employ ethical resolution techniques, will work well in teams, and will understand the global environment. The Master of Science in Management is designed for those with undergraduate degrees in business and related fields who are looking to build upon their studies examining a particular aspect of business, while developing advanced skills in management and research.

UNIQUE LEARNING OPPORTUNITIES: Take your business studies outside of the classroom. As a Lakehead business student, you'll have the opportunity to compete in regional and national business competitions, network through clubs like Enactus and the business student association, and work with your peers on projects within community organizations.

CAREER PATHS: Take advantage of Lakehead's affiliations with Chartered Professional Accountants, Chartered Financial Analyst or Human Resources Professionals Association to gain specialized certifications with your degree. Graduates from Lakehead's Business programs go on to become Accountants, Sales Account Managers, Marketing Specialists, Financial Analysts, Commercial/Investment Bankers, Human Resource Officers, Supply Chain & Logistics Coordinators, IT Specialists, Entrepreneurs, Managers & Executives, Controllers, and CEOs.



C

CHEMISTRY

- **Honours Bachelor of Science (HSc)** – optional Concentration in Medical Sciences
- **Double Major:** Biology and Chemistry
- **Concurrent Education**
- **Master of Science in Chemistry (MSc)**
- **Doctor of Philosophy in Chemistry and Materials Science (PhD)**

Examine the materials that make up our universe, how bonds are formed between atoms, and the interactions of molecules. You can explore specialty areas, including analytical, biological, inorganic, organic, physical, and polymer chemistry. Starting in the first year, you will work with some of the most modern, sophisticated and specialized instruments, along with opportunities

to get involved in research in your undergraduate years. All of our programs are accredited by the Canadian Society for Chemistry. With a specialization in Medical Sciences, you can combine biochemical and imaging concepts at the molecular level, allowing you to investigate the biochemistry of biological systems and methods for detecting/imaging and designing treatments for diseases.

The MSc in Chemistry is a thesis-based program focused on the intellectual development and training of scientists. Research topics encompass a wide array of areas and subdisciplines in chemistry including organic, inorganic, physical, theoretical, analytical, nuclear, pharmaceutical, and nanochemistry.

The PhD in Chemistry and Materials Science is a research-intensive graduate program focused on the intellectual development and advanced training of scientists in two fields of specialization: Physical Chemistry, the study of physical principles which govern the behaviour and properties of chemical systems; and Molecular and Materials Science, the synthesis and characterization of novel compounds and materials.

UNIQUE LEARNING OPPORTUNITIES:

Laboratory experiences are hands-on throughout the curriculum, including traditional "wet" labs, instrumental analyses, computational simulations, and informatics. Try real, cutting-edge primary research with the opportunity to work in a research lab with a professor for an 8-month project in the fourth year. Master's students will have the opportunity to be involved across diverse subdisciplines of analytical, biochemical, inorganic, organic, and physical chemistry.

CAREER PATHS: Pharmacist, Food Scientist, Pathologist, Geochemist, Art Conservator, Environmental Policy Advisor, Toxicologist, Water Purification Chemist, Nanotechnologist, Physician, Patent Agent, Pollution Control Technologist, QA/QC Specialist, Drug R&D Scientist, Health & Safety Advisor, Industrial Chemist.



COMPUTER SCIENCE

- **Honours Bachelor of Science (HSc)** – optional specializations in Game Programming or Health Informatics
- **Master of Science in Computer Science (MSc)** – optional specialization in Artificial Intelligence

Computer science is changing our world and shaping its future. It plays a leading role in modern society, whether helping us fight crime, finding a cure for cancer, planning a mission to Mars, or allowing us to stream music or video. Think big as you explore the world of computer science while engaging in a focused

program stream. Experience high-tech labs and classrooms, enjoy access to a 240-core, high-performance computing Linux cluster, and learn about the latest advances in game programming, artificial intelligence, health informatics applications, internet applications, computer security, big data and cloud computing.

UNIQUE LEARNING OPPORTUNITIES: At the undergraduate level, you can choose from two program streams: Business or Science. Business Focus provides a path to the Entrepreneurship Certificate, whereas the Science Focus emphasizes Science and Environmental Science electives. At the Master's level, there is a specialization in Artificial Intelligence available. Students in this program will be exposed to topics including deep learning, natural language processing, machine learning, image processing, pattern recognition, and other emerging technologies. The Master's program offers three streams: Course, Project and Thesis. Co-op opportunities provide valuable hands-on work experience with companies to further develop your skill set and are available at both the undergraduate and graduate level.

CAREER PATHS: Health Informatics Specialist, Web Developer, Webmaster, Computer Network Specialist, Game Developer, Information Specialist, Security Specialist, Mobile Application Developer.



CRIMINOLOGY

- **Honours Bachelor of Arts & Science (HBASc)**

Examine the causes and effects of crime and criminal behaviour on individuals and society. Truly interdisciplinary in scope, your study of Criminology will introduce you to the foundations of crime and the systems in place to respond to concerns of crime and justice in Canada. Within the program are three critical areas of focus: forensic science and criminalistics, social justice and human rights, and law and legal institutions.

UNIQUE LEARNING OPPORTUNITIES:

The Lakehead Criminology experience emphasizes a practitioner orientation, which will intimately familiarize you with the three pillars of the Canadian criminal justice system: policing, prosecution, and corrections. Delve into the world of forensic evidence collection, the scientific analysis of crime, and the roles played by law enforcement and correctional institutions.

CAREER PATHS: Police Officer, Border Services Superintendent, Crime Analyst, Parole Officer, Justice Administrator, Social Worker, Social Policy Analyst, Victim Services Coordinator, Offender Rehabilitation Specialist.



ECONOMICS

- **Honours Bachelors of Arts (HBA)** 
 - **Double Major:** Political Science and Economics 
- **Bachelors of Arts (BA)** 
 - **Double Majors:** Economics and: Mathematics or Political Science 
- **Honours Bachelor of Science (HBSc)** 
 - **Major:** Resource and Environmental Economics 
- **Master of Arts in Economics (MA)** 

Economics is the essence of human material existence. Study the resource and social choices we make and how we respond to incentives and information and coordinate our responses to these influences via the institution of markets. A core understanding of economic theory, statistics, and quantitative analysis is combined with labour, natural resources, and industrial organization topics.

UNIQUE LEARNING OPPORTUNITIES: Gain a marketable edge through field and specialty courses focused on labour, natural resources, and industrial organization. Learn new theories, information and current events impacting the Economics field. Master's students can undertake co-operative education, which allows them to apply knowledge and skills acquired in the classroom and to obtain new insights and educational experiences.

CAREER PATHS: Professional and Business Economist, Banking, Policy Analyst, Labour Relations Specialist, Actuary, Foreign Services Officer, Health Policy Planner, International Trade Specialist, Agricultural Economist, Statistician, Investment Banking Analyst.



EDUCATION

- **Bachelor of Education (BEd):** Primary/Junior, Intermediate/Senior  
- **Master of Education (MEd) Education for Change** – specializations in Environmental and Sustainability Education, Indigenous Education, and Social Justice Education 
- **Master of Education (MEd) Educational Studies** – optional specializations in Gerontology or Gender & Women's Studies 
- **Joint Doctor of Philosophy in Educational Studies (PhD)** – specializations in Cognition and Learning, Social/Cultural/Political Contexts, or Leadership and Policy Studies  

At the undergraduate level, earn a BEd through the concurrent education program or consecutive education program. The concurrent education program allows you to earn two degrees

simultaneously, while the consecutive program is designed for those who already hold an undergraduate degree. The two undergraduate programs will qualify students for certification by the Ontario College of Teachers. At the Master's level, students can address the current landscape of both education and research through one of two distinct fields of study; Educational Studies or Education for Change. The MEd does not qualify students for certification by the Ontario College of Teachers.

UNIQUE LEARNING OPPORTUNITIES: In the BEd, participate in 105 days of student teaching placements over 2 years. Alternative placements in culinary arts, special education, or places like the Royal Ontario Museum, Science North, or outdoor education centers can also be pursued. For Master's students there is the opportunity to pursue a specialization in Environmental and Sustainability Education, Indigenous Education and Social Justice Education.



ENGINEERING - CHEMICAL

- **Bachelor of Engineering (BEng) - Chemical with Diploma in Chemical Engineering Technology** 
- **Master of Science in Engineering - Chemical Engineering (MScEng)** 
- **Doctor of Philosophy in Engineering - Chemical (PhD)** 

Chemical Engineering is a multi-disciplinary branch of engineering that focuses on using chemicals and materials to design sustainable processes. It involves the application of principles of chemistry, physics, mathematics, and engineering to create and optimize processes that transform raw materials into useful products. Chemical engineers are transforming the world we live in, including developing renewable energy such as solar, bioenergy and fuel cells.

UNIQUE LEARNING OPPORTUNITIES: Our program is uniquely focused on training students by emphasizing industrial examples and practices through different courses. Our student-centered program emphasizes learning the latest industrial software employed in the chemical industries combined with novel hands-on experiences through different modern laboratories.

COURSES INCLUDE: Hydrocarbon Processes; Material and Energy Balances; Plant Design Economics and Management; Chemical Reactor Design; Air Pollution Control Methods and Analysis; Pulp and Paper Manufacture; Bioprocess Engineering; Mineral Processing Laboratory Investigations in Mass Transfer Separations.

EMPLOYERS WHERE OUR CHEMICAL ENGINEERING GRADUATES NOW WORK

INCLUDE: PepsiCo, Aurora Cannabis, Samsung, Nova Chemicals, Shell, Algoma Steel, Canadian Nuclear Laboratories.



ENGINEERING - CIVIL

- **Bachelor of Engineering (BEng) - Civil with Diploma in Civil Engineering Technology** 
- **Master of Science in Civil Engineering (MScEng)** 
- **Doctor of Philosophy in Engineering - Civil (PhD)** 

Civil Engineering is a branch of engineering that focuses on the design, construction, and maintenance of the built environment, including buildings, roads, bridges, water supply systems, and other infrastructure. Students will learn how to apply knowledge of physics, mathematics, geology, and materials science to create safe, efficient, and sustainable structures and systems. Civil Engineers design and manage the large-scale infrastructure – smart buildings and cities, dams and water systems, airports, highway networks and energy grids – that are all critical to our daily lives.

UNIQUE LEARNING OPPORTUNITIES: Tackle design and research work in highway geometrics and transportation systems, high-performance concretes, environmental issues, watershed analysis, foundation, and slope stability projects or structural analysis and design engineering. Master's students have the opportunity to conduct research in a multitude of areas including construction engineering, environmental engineering, geotechnical and geoenvironmental engineering, rock engineering, structural engineering, transportation engineering and water resource engineering.

COURSES INCLUDE: Surveying; Fluid Mechanics; Highway Design; Steel and Reinforced Concrete Design; Water Supply and Waste Systems; Construction Materials; Hydrology; Steel Structures; Wind Engineering; Rock Engineering; Water Resources and Hydropower Development.

EMPLOYERS WHERE OUR CIVIL ENGINEERING GRADUATES NOW WORK INCLUDE: Metrolinx, TetraTech, Hatch, Ellis Don, Enbridge, Canadian Pacific Railway.



ENGINEERING - ELECTRICAL

- **Bachelor of Engineering (BEng) - Electrical with Diploma in Electrical Engineering Technology** 
- **Bachelor of Engineering (BEng) - Electrical** 

Electrical engineering is a branch of engineering that deals with the study and application of electricity, electronics, and electromagnetism. Learn how to design economically viable and ecologically balanced electronic and electrical equipment and systems, including automatic control systems, computers, audio systems, communication devices, power generation and distribution networks.

Electrical Engineers are involved in all stages of product or system development, from manufacturing and testing to maintenance and troubleshooting in the field. Career paths are often centered on a combination of these work areas, and some choose to move into specialized areas such as consulting, entrepreneurial product design, marketing, or project management.

UNIQUE LEARNING OPPORTUNITIES: For undergraduates, the curriculum is designed to teach fundamental physical sciences, as well as the more practical areas of design and operation of industrial control systems, communication systems, electronic circuits, and the generation and distribution of electrical power. At the graduate level, students build upon these fundamentals through a combination of coursework and research towards the completion of a thesis.

COURSES INCLUDE: Computer Logic Circuits; Semiconductor Physics; Electronic Communications; Electric Machines; Control Systems; Power Electronics; Electric Power Systems; Digital VLSI Circuit Design; RF Circuits Design; Digital Signal Processing; Optical Communications.

EMPLOYERS WHERE OUR ELECTRICAL ENGINEERING GRADUATES NOW WORK

INCLUDE: Cisco, Apple, Bell, Thales, Nav Canada, Microsoft, Siemens, Alectra Utilities.



ENGINEERING - ELECTRICAL & COMPUTER

- **Master of Science in Engineering in Electrical and Computer Engineering (MScEng)** T B
- **Doctor of Philosophy in Engineering - Electrical and Computer (PhD)** T B

The Master's program is designed for graduates of undergraduate degrees in Electrical Engineering, Software Engineering or other similar undergraduate degree programs. The PhD program is for graduates of Master's-level programs. Both programs foster independent research abilities of students. Students achieve these objectives through a combination of formal course work and research, culminating in a thesis, or dissertation (at the PhD level).

Students in the MScEng program have the opportunity to work collaboratively with world-class researchers and institutes and state-of-the-art facilities – all within a collegial learning environment. The small class sizes and extensive

instructor-student interaction create a positive learning environment that fosters student success.

UNIQUE LEARNING OPPORTUNITIES: Current areas of research at the Master's level include communications and networking, circuits and systems, biomedical, computers and software, control systems, electron devices and semiconductors. At the PhD level the general areas of specialization are electrical engineering, computer engineering, biomedical engineering, control systems, robotics and mechatronics.

TOPICS INCLUDE: Renewable Energy Conversion Systems; Control Engineering Concepts, Microelectronics; Digital Communication Systems; Computer Architecture; Digital ASIC Design, Parallel Programming; Advanced Power Electronics; Semiconductor Devices; Adaptive Control; Nonlinear Control; Robotics; and Advances in Semiconductor Materials.

EMPLOYERS WHERE OUR ELECTRICAL & COMPUTER ENGINEERING GRADUATES WORK

INCLUDE: TBayTel, PEARSON VUE, Synergy North, General Motors, Besnovo.



ENGINEERING - ENVIRONMENTAL

- **Master of Science in Engineering in Environmental Engineering (MScEng)** T

This unique program provides a dynamic and unique curriculum to train graduates from engineering and related natural sciences in providing effective solutions to environmental challenges faced by industries and communities. By bringing together faculty members from the disciplines of Chemical, Civil and Mechanical Engineering, Biology, Chemistry, Forestry, and Geology, we help students achieve an integrated understanding of the multifaceted components of environmental issues.

Our extensive research capabilities are supported by outstanding laboratory facilities, including a centralized instrumentation laboratory. Our faculty members and graduate students conduct cutting-edge research in both fundamental studies and applied science and engineering to address global environmental issues, such as climate change, water crises, and energy crises.

TOPICS INCLUDE: Biorefinery and Bioenergy Production; Geoenvironmental Engineering; Green Cements; Greenhouse Gases Reduction; Water Resource Engineering; and Water and Wastewater Purification.

EMPLOYERS WHERE OUR ENVIRONMENTAL ENGINEERING GRADUATES WORK INCLUDE:

Xradar, Stantec, EXP, Actlab, Estee Lauder Companies Inc., Acuity Brands, Pinckin Ltd.



ENGINEERING - MECHANICAL

- **Bachelor of Engineering (BEng) - Mechanical with Diploma in Mechanical Engineering Technology** T B
- **Master of Science in Mechanical Engineering (MScME)** T
- **Doctor of Philosophy in Mechanical Engineering (PhD)** T

Mechanical engineering is a branch of engineering that deals with the design, development, and production of mechanical systems and devices. Mechanical engineers apply their knowledge of mechanics, thermodynamics, materials science, and other related fields to design and manufacture a wide range of products, from small handheld devices to large-scale industrial equipment. Learn how to model, analyze, design, simulate, manufacture, assemble and work with various mechanical engineering systems such as: automotives and transportation systems, renewable and green energy systems, power generation systems, robots and dynamic systems and aerospace systems.

UNIQUE LEARNING OPPORTUNITIES:

Experiential learning is an important component in Lakehead University's Mechanical BEng program. Our students participate in team-based learning opportunities, including projects and presentations, hands-on laboratories, and a senior design project. The MScME program provides a dynamic and unique curriculum to train graduates to tackle mechanical engineering challenges faced by industries and communities effectively and efficiently.

COURSES INCLUDE: Materials and Processes; Machine Design; Heating, Ventilating & Air Conditioning; Dynamics of Machines; Introduction to Robotics; Mechanical Engineering Design; Mechanical Vibrations; Heat Exchanger Design and Thermal Radiation; Combustion and Emissions.

EMPLOYERS WHERE OUR MECHANICAL ENGINEERING GRADUATES NOW WORK

INCLUDE: Tesla, Alstom, Honda, Magna, Bruce Power, GM, Ford.



ENGINEERING - MECHATRONICS

- **Bachelor of Engineering (BEng) - Mechatronics with Diploma in Mechatronics Engineering Technology** T B
- **Mechanical & Mechatronics Engineering (MScEng) (PhD)** B

Mechatronics Engineering is the design of robotics, control systems, and electromechanical systems. This is a new and rapidly growing, multi-disciplinary branch of engineering at the intersection of Mechanical Engineering, Electrical Engineering, Software Engineering, and Computer Science.

You will gain the skills to design intelligent machines, from electric vehicles to large-scale industrial robots. During the program you will learn how to design systems that rely on mechanical elements, electrical power, sensing and control.

UNIQUE LEARNING OPPORTUNITIES: Undertake practical work throughout the degree, including a mandatory co-op work term, as well as lab work and projects that involve designing and building mechatronics components and systems.

COURSES INCLUDE: Engineering Mechanics; Robotics and Automation; Big Data & Cloud Computing; Innovation and Entrepreneurship; Mechatronics Design; Kinematics & Dynamics of Machines; Materials, Manufacturing & Waste; Computer Hardware & Software Systems.



ENGINEERING - SOFTWARE

- **Bachelor of Engineering (BEng) - Software with Diploma in Software Engineering Technology** [T](#) [B](#)

Software engineering is a systematic approach to developing software including design, development, coding, integration, and testing. It plays a fundamental role in every aspect of our lives, across a range of industries. It involves applying engineering principles and techniques to the process of software development, with the goal of creating high-quality, reliable, and efficient software that meets the needs of users and organizations.

UNIQUE LEARNING OPPORTUNITIES: Learn to apply engineering methodologies and professional practices to the analysis, design, implementation, verification, and deployment of computer software. You will also be able to apply modern computational intelligence principles, such as deep learning to build human-centered, real-time intelligent systems solving practical problems.

COURSES INCLUDE: Data Management and Information Systems; Data Structures; Object Oriented Graphical User Interface; Computer Communications and Networking; Computer Hardware and Software Systems; Software Testing and Quality Assurance; Engineering Economics and Project Management; Software Safety and Security; Digital Signal and Image Processing; Large Scale Data Analytics; Fuzzy Logic Expert Systems.

EMPLOYERS WHERE OUR SOFTWARE ENGINEERING GRADUATES NOW WORK

INCLUDE: Google, Amazon, Deloitte, Open-Text, Ubisoft, Wealthsimple, Shopify.



ENGLISH

- **Honours Bachelor of Arts (HBA)** – optional specializations in Writing or Cultural Studies and Popular Texts [T](#) [O](#)
 - **Double Major:** English and: French, [T](#) Gender & Women's Studies [T](#), History [T](#) [O](#), or Philosophy [T](#)
- **Honours Bachelor of Arts & Science (HBASc)** – optional specializations in Writing or Cultural Studies and Popular Texts [O](#)
- **Concurrent Education** [T](#) [O](#)
- **Master of Arts in English and Cultural Studies (MA)** [T](#) – optional specializations in Gender & Women's Studies or Social Justice Studies [T](#) [O](#)

English is not just about books. Discover the world's diverse cultures and their contexts and roles in our lives. Explore different types of literature, film, and popular culture; study the history of literature and literary and cultural theory; and examine a wide range of texts from different historical periods, genres, media, and literary traditions. Develop your skills in creative, professional and public writing. English is a flexible degree that will help you develop communication, critical thinking, and research skills – transferable skills that are valuable across professions.

UNIQUE LEARNING OPPORTUNITIES: Writing, literature and theory are not confined to the classroom. At the undergraduate level, our “Life Writing” course will allow you to connect with your community, learn about, and share a person’s “Life Story” by putting it in writing. You will also be able to work with other English students to produce a literary magazine, *The Artery*. Research opportunities are integrated throughout the degree program. For Master's students there are a number of different program options including thesis based, a coursework option, and a research-project option which is a combination of the two.

CAREER PATHS: Teacher, Journalist, Writer, Editor, Publisher, Public Relations Officer, Copywriter, Administrator, Advertising Executive, Entrepreneur, Broadcaster, Social Media Director & Content Producer, Activist, Civil Servant, Business & Policy Analyst, Lawyer.



ENVIRONMENTAL MANAGEMENT

- **Honours Bachelor of Science in Environmental Management (HBScEM)** – specializations in Conservation Planning & Management, Sustainable Land Use, or Wildlife Conservation & Management [T](#)

Our program equips you with foundational knowledge of natural processes in ecosystems. We foster skills in our graduates that include technical experience and use of industry-standard

geomatics tools, such as GIS and remote sensing. Upon completion of the Wildlife Conservation and Management specialization, you will be eligible for accreditation as a Certified Wildlife Biologist by The Wildlife Society.

UNIQUE LEARNING OPPORTUNITIES: Field School is an essential component of our programs whereby you'll be introduced to concepts and methodologies while collecting data for use in the classroom or lab. It is also a great way to connect with your professors and other students before the start of classes.

CAREER PATHS: Environmental Scientist, Ecologist, Land Steward, Wildlife Biologist, Planning Specialist, Environmental Policy Analyst, Climate Research Analyst.



ENVIRONMENTAL SCIENCE/ STUDIES

- **Honours Bachelor of Environmental Science (HBESc)** [T](#)
 - **Majors:** Biology, Earth Science, Geography [T](#)
- **Honours Bachelor of Environmental Studies (HBES)** [T](#)
 - **Major:** Geography [T](#)
- **Concurrent Education** [T](#)
- **Master of Environmental Studies (MES)** [T](#)

Human interactions with the environment are complex. Understanding these interactions and addressing their consequences requires a multidisciplinary approach. These programs combine scientific exploration and training with examination of the socioeconomic, cultural and political factors that govern our connections with the world around us.

UNIQUE LEARNING OPPORTUNITIES: At the undergraduate level, we offer degrees in both Environmental Studies and Environmental Science, with majors in Biology, Geography, and Earth Science. These degree programs are nationally accredited with ECO Canada, allowing students to earn the Environmental Professional designation. Graduate students will have the opportunity to learn and develop the skills to meet the challenges of environmental and cultural issues faced by communities, industries and services in northern areas. Environmental Studies / Science (Geography) students may choose to pursue co-operative education, gaining valuable paid experience in their degree before graduating.

CAREER PATHS: Environmental Coordinator, Land Agent, GIS Specialist, Surveyor, Zoologist, Marine Biologist, Botanist, Ecologist, Cartographer, Land Surveyor, Conservation Officer, Environmental Geologist, Hydrogeologist.



ENVIRONMENTAL SUSTAINABILITY

- **Honours Bachelor of Arts & Science (HBASc)** – specialization in Environmental Biotechnology 
- **Concurrent Education** 

Become an informed, environmentally conscious, and responsible citizen with excellent communication skills and problem-solving abilities. Through academic training, you will be prepared to meet the growing demands of interdisciplinary environmental practitioners related to Environmental Sustainability. Our co-operative education program provides practical skills that surpass fieldwork and research opportunities.

UNIQUE LEARNING OPPORTUNITIES: Our program has national accreditation with ECO Canada allowing you to earn the Environmental Professional designation. As North America's first LEED® campus for environmental sustainability, Orillia is the perfect location to enter this emerging field. Our program major with co-op option provides students with opportunities for work experience while the Concurrent Education (Primary/Junior) degree stream allows students to use environmental sustainability as a teachable option in the school curriculum. A specialization in environmental biotechnology is also available. A minor in environmental sustainability and certificate have become important degree streams in our program.

CAREER PATHS: Environmental Scientist, Conservation Technician, Ecologist, Land Steward, Wildlife Biologist, Environmental Policy Analyst, Environmental Coordination Officer, Climate Research Analyst, Ecology Consultant, Fisheries Biologist, Ecosystem Restoration Technologist.



F

FORESTRY

- **Honours Bachelor of Science in Forestry (HBScF)** – specializations in Forest Health & Protection, Forest Management, Forest Products & Marketing 
- **Master of Science in Forestry (MScF)** 

Our undergraduate program enables you to gain specialization in the areas of Forest Management, Forest Health & Protection, or the emerging frontier of Forest Products & Marketing. You will be exposed to the high-tech world of modern forest management practices through both hands-on mensuration as well as advanced precision forestry optimization techniques, GPS/GIS systems, remote sensing with satellite imagery and airborne systems, urban forestry, renewable energy resources, pathology, entomology, forest operations, wood science and forest products, forest genetics, forest soils, forest policy, ecology, and more.

Our Forestry program is nationally accredited by the Canadian Forestry Accreditation Board (CFAB), providing you with the academic credentials to become a Registered Professional Forester (RPF) anywhere in Canada and a Certified Forester in the U.S.A.

UNIQUE LEARNING OPPORTUNITIES: Take your skills and passion worldwide with the option to participate in at least one international field school excursion and internationally focused courses. This experience will help you better comprehend global challenges and opportunities linked to the three pillars of sustainability – environmental health, economic viability and social well-being and acceptance.

CAREER PATHS: Operations Forester, Geomatics/Remote Sensing, Silviculturist, Invasive Species, Drone (UAV) Specialist, Renewable Energy, Climate Change Analyst, Environmental Scientist, Urban Forester, Planning Specialist, Private Consultant, Wood Products, Industry Manager, Government Ministries, Management Positions, International Opportunities and many more.



G

GENDER & WOMEN'S STUDIES

- **Honours Bachelor of Arts (HBA)** 
- **Double Major:** Gender & Women's Studies and: English, History, Indigenous Learning, Political Science, Psychology, or Sociology 
- **Bachelor of Arts (BA)** 
- **Double Degree:** Gender & Women's Studies and Honours Bachelor of Outdoor Recreation, Parks and Tourism (HBOR) 
- **Concurrent Education** 
- **Master's** – specialization in Gender & Women's Studies in select programs (MA) 

Explore the many ways that societies shape and are shaped by gender, including sex-gender norms and constructions, sexuality, masculinities and femininities, queer theory, transnationalism, and women's experiences. Our critical interdisciplinary approach covers global topics in systems that produce gendered structures from bodies through to nation-states, focusing on how the intersection of gender, race, class, ethnicity, sexuality, ability, age, and more produce multiple lived experiences. Our topics include law, social policy, sociology, psychology, education, cultural studies, literature, history, etc. Understanding intersectionality gives students an advantage in a work environment increasingly focused on equity, diversity, and inclusion.

UNIQUE LEARNING OPPORTUNITIES: Take on project development, volunteer positions, and community engagement activities in partnership with organizations throughout the district of Thunder Bay to help achieve greater gender equality.

CAREER PATHS: Family Support Worker, Lobbyist, Policy Analyst, Project Manager, Writer, Lawyer, Business Consultant, Midwife, Nurse, Doctor, International Development, International Aid Worker, and more.



GENERAL ARTS/ARTS ONE

- **Bachelor of Arts (BA)*** 

**Program fully available online.*

The General Arts program provides you with the opportunity to discover what university really has to offer. It is ideal if you are looking for a broad education.

UNIQUE LEARNING OPPORTUNITIES: Our General Arts program has 13 departments within the Faculty of Social Sciences & Humanities from which to choose your courses, as well as electives from other faculties across the university.

CAREER PATHS: Media and Journalism, Community Engagement, Translator, Curator, Public Policy Analyst, Marketing Specialist, Advertising Coordinator, Public Service, Social Researcher, Lobbyist.



GENERAL SCIENCE/SCIENCE ONE

- **Bachelor of Science (BSc)** 

Our General Science program allows you to design your science degree. The constraints of disciplines will not bind your future. You will discover what science at university offers and choose the science courses that appeal to you.

General Science is ideal if you are looking for a broad scientific education. You can group your courses into thematic areas of your choosing that transcend disciplines like Life Sciences, Environmental Science & Policy, Evolution and Paleontology, Physical Science & Mathematics, and Technology.

UNIQUE LEARNING OPPORTUNITIES:

Participate in research on condensed matter, behavioural ecology, quantum-chemical exploration and DNA forensics.

CAREER PATHS: Archivist, Museum Technician, Zoologist, Marine Biologist, Ecologist, Food Scientist, Pharmacist, Pathologist, Cartographer, Conservation Officer, Land Surveyor, Exploration Geologist, Statistician, Computer Programmer, GIS Specialist, Robotics Technician.



GEOARCHAEOLOGY

- **Honours Bachelor of Science (HBS)** 
- **Master of Science (MSc) in Archaeological Science** 

This program is a collaboration between the Anthropology, Geography, and Geology departments. It focuses on applying the concepts and methods in these fields to interpret evidence of ancient societies. Your interdisciplinary exploration will include the study of archaeological site formation processes, paleogeography, paleoenvironmental reconstruction, chronometric dating, and other areas of intersection between the geosciences and archaeology. Master's students will conduct original research and will learn how to apply archaeological science methods and theories to the solution of archaeological or paleoanthropological problems.

UNIQUE LEARNING OPPORTUNITIES: Our geoarchaeology program is one of the few in North America. The Thunder Bay campus of Lakehead University is a 'natural laboratory' with ancient archaeological sites and remnant landforms spanning thousands of years of geological history. Immerse yourself in the past through scientific training in the field, access to modern laboratory facilities and research collaborations with faculty members.

CAREER PATHS: Professional Archaeologist, Archaeological Field Technician, Cultural Resource Manager, Archaeology Review Officer, Museum Curator, Geoscientist, Quaternary Scientist, Geographer, Climatologist, Paleoecologist, Paleoanthropologist, among others.



GEOGRAPHY

- **Honours Bachelor of Arts (HBA)** 
- **Honours Bachelor of Science (HBS)** 
- **Honours Bachelor of Arts & Science (HBAS)** 
- **Honours Bachelor of Environmental Science (HBES)** 
- **Honours Bachelor of Environmental Studies (HBES)** 
- **Bachelor of Arts (HBA)** 
 - **Double Degree:** Geography and Honours Bachelor of Outdoor Recreation 
- **Concurrent Education**  

Apply knowledge from humanities and sciences to understand the world around us. Explore the interactions between human and natural systems, why they are located where they are, what changes are occurring in these relationships, and how to address the problems that arise. Develop a knowledge of Earth's physical environments and analyze the connections between social, economic, political, and cultural factors. Explore geomatics and mapping techniques, climate

change, resilience to natural hazards, planning for happy and healthy communities, conservation and resource sustainability, environmental assessment and remediation, and global development and culture.

UNIQUE LEARNING OPPORTUNITIES: In your final two years of study, you may specialize in: Climate Change, Glacial Processes, Soil Analysis, Conservation, Natural Hazards, Water Resource Management, or Sociocultural Geography. We also offer a Certificate in Geomatics with advanced courses in cartography, remote sensing, and geographic information systems (GIS). Environmental Studies / Science Geography students may also choose to pursue co-operative education, gaining valuable paid experience in their degree before graduating.

CAREER PATHS: Cartographer, GIS Specialist, Aerial Photo Analyst, Habitat Researcher, Climatologist, Soil Conservationist, Ecologist, Urban Planner, Environmental Specialist, Policy Advisor, Medical Geographer, Economic Development Officer.



GEOLOGY

- **Honours Bachelor of Science (HBS)** 
- **Major:** Geology
- **Honours Bachelor of Environmental Science (HBES)** 
- **Major:** Earth Science
- **Concurrent Education** 
- **Master of Science in Geology (MSc)** 

Geology is the study of the Earth and the planets around us. In addition to the bedrock and loose sediment that covers it, you will investigate our planet's atmosphere, hydrosphere, history, and life.

Students will learn by examining modern processes occurring on the surface and how to infer deeper Earth processes. Fieldwork is an essential component of geology, which means you will participate in two field schools during your undergraduate program. Studies at the graduate level will emphasize the fields of petrochemistry and tectonophysics, and students have the option of specializing with some having previously focused on the areas of petrology, mineralogy, geochemistry, tectonics, economic geology to name a few. Given our location on the Canadian Shield, some of the most amazing geology in the world is within a few minutes' drive of Thunder Bay.

UNIQUE LEARNING OPPORTUNITIES: Our location amidst the Canadian Shield functions as an outdoor lab and classroom. Our faculty regularly holds classes outside and organizes field trips and extended field schools to take advantage of the superior environment, offering practical training highly valued by industry from day one.

CAREER PATHS: Exploration and Mining Geologist, Environmental Geoscientist, Geochemist, Mineralogist, Paleontologist, Volcanologist.



H

HEALTH SCIENCES

- **Master of Health Sciences (MHSc)**
 - specializations in Epidemiology; Gerontology; Indigenous and Northern Health; Social-Ecological Systems, Sustainability and Health 
- **Doctor of Philosophy in Health Sciences (PhD)** 

The Master's program is designed to provide students with the knowledge and skill to undertake a supervised research study in a relevant area of concern, within the broad definition of health. Students must choose one of the above specializations as part of their program.

Although you may choose to complete research studies using quantitative, qualitative, or mixed-method approaches, you are required to demonstrate beginning competence in both quantitative and qualitative methods. The structure of the program allows you to complete elective courses in research methods and/or in a discipline-based area of interest.

The PhD in Health Sciences is designed to be a research-intensive program emphasizing the development of research skills with a particular focus on populations who historically have been vulnerable to higher rates of poor health (such as seniors and Indigenous populations). Applied health research is an integral part of the program. It includes a hands-on experience through an innovative Research Internship that provides students with the opportunity to apply program content in a real-world, applied-health research setting.

UNIQUE LEARNING OPPORTUNITIES: The program's northern location, synergy with nearby Health Sciences Centre and research facilities, as well as faculty research in the area of vulnerable population health count among this program's strengths and innovative features. Courses include advanced topics in epidemiology, the Canadian food system, ecological health, biostatistics, health policy, qualitative analysis, Indigenous health, Northern and Remote Health and Healthcare.

CAREER PATHS: Manager in Health Care, Health Policy Researcher, Policy Consultant, Epidemiologist, Clinical Research Study Coordinator, Public Health Program Coordinator, Mental/Behavioral Health Program Director, Data Scientist.



HISTORY

- **Honours Bachelor of Arts (HBA)**   – optional specializations in Public History  or Military History 
- **Double Major:** History and: English , French , Philosophy , Political Science , Sociology , Gender & Women's Studies 
- **Bachelor of Arts (BA)**   – optional specialization in Military History 
- **Double Degree:** Honours Bachelor of Outdoor Recreation, Parks and Tourism (HBOR) 
- **Concurrent Education** 
- **Master of Arts in History (MA)** 

The study of history encompasses all aspects of human experience in all parts of the world, and recognizes that the lives of ordinary people are as full of interest and significance as those of famous leaders. Historians seek to bring the past to life with the understanding that what we know of the past is not static but constantly evolving.

Students in the MA History program not only become directly involved in the process of creating a shared understanding of past events, but can also pursue areas of history which are relevant to their own interests, concerns, and lived experiences.

Our Master's program specializes in Canadian, European, and World History and offers the option of a Major Research Project/Paper, Course Work, or Thesis Program. It provides an excellent preparation for a wide range of careers, and for further graduate studies at the PhD level.

UNIQUE LEARNING OPPORTUNITIES:

Community placement opportunities in history or heritage-related organizations complement your studies with practical work experience. Master's students work closely with professors in small seminars, and those pursuing the Major Research Paper/Project or Thesis option have the opportunity to produce original scholarly work based on archival research and/or close readings of primary sources.

CAREER PATHS: Archivist, Community Engagement Officer, Editor, Public Policy Analyst, Public Service, Historical Projects Coordinator, Heritage Officer, Journalist, Lawyer, Librarian, Museum Curator, Teacher, Professor.



I

INDIGENOUS LEARNING

- **Honours Bachelor of Arts (HBA)** 
 - **Double Major:** Indigenous Learning and: Gender & Women's Studies or Philosophy 

Indigenous Learning encourages Indigenous and non-Indigenous students to develop a deep and rigorous understanding of Indigenous intellectual

traditions and Indigenous/settler relations. Central to our discipline is praxis-based engagement with Indigenous knowledge systems to address the current social, economic, political, and environmental states. Students consider what decolonization and active processes of redress and reconciliation look like and will think about their roles within them.

UNIQUE LEARNING OPPORTUNITIES:

Indigenous story pedagogy is a hands-on course where students come to understand how Indigenous stories inform research methods, law, public policy, and program development by engaging in storytelling labs which develop knowledge and skills in storytelling, story analysis and knowledge translation.

CAREER PATHS: Policy Analyst, Community-Based Researcher, Indigenous Liaison or Economic Development Officer, Policy Advisor, Politician, Program Director, Advocate, Gladue Caseworker, Freelance Writer, Community Engagement Worker, Cultural Coordinator, Consultant.



INTERDISCIPLINARY STUDIES

- **Honours Bachelor of Arts & Science (HBASc)** 
- **Concurrent Education** 

If you are feeling uncertain about choosing just one discipline, the Interdisciplinary Studies program allows you to take first-year courses that develop skills relevant to all fields of study, while exploring several disciplines at once. By the end of your first year, you'll be able to choose two majors to concentrate on. If you later want to change one of these majors, the program is flexibly designed to allow this.

This interdisciplinary approach helps you build a career where you can work on either single discipline or multi-disciplinary teams to solve real-world problems. The concurrent education option allows you to train to be a qualified primary/junior or intermediate/senior teacher as you complete your Bachelor of Arts and Science degree.

UNIQUE LEARNING OPPORTUNITIES: You can choose from 16 different disciplines to customize your education and expand your horizons. Choose 2 disciplines from: Anthropology; Biology; Chemistry; Criminology; English; Entrepreneurship; French; Geography; General Science; History; Media, Film and Communications; Political Science; Psychology; and Sociology.

OPTIONAL CONCENTRATIONS: Student interests tend to cluster around certain themes, so we have formalized four pathways to get even more from your degree and develop your knowledge base. As you take your discipline-specific majors you can also declare a concentration in: Environment, Society, and Culture; Human Nature; International Conflict and Human Rights; or Social Justice.

CAREER PATHS: Banking, Communications, Education and Educational Management, Information Technology, Government Administration, Hospital & Health Care, Higher Education, Law & Legal Related Careers, Law Enforcement & Public Safety, Marketing & Advertising, Non-profit Sector, Telecommunications.



K

KINESIOLOGY

- **Honours Bachelor of Kinesiology (HBK)** 
- **Concurrent Education** 
- **Master of Science in Kinesiology (MSc)** – optional specialization in Gerontology 
- **Graduate Diploma in Professional Kinesiology** 

The study of human movement and the factors that influence and support our body's ability to move are examined within Kinesiology. You will consider multidisciplinary fields of study, across the human lifespan, including physiology, anatomy, biomechanics, aging populations, psychology, ergonomics, nutrition, and more! The "Practice of Kinesiology" is a vital part of the School of Kinesiology curriculum and involves a series of practical courses designed to develop knowledge and skills through hands-on experience. Graduates of our program are eligible to become Kinesiologists, regulated health professionals in Ontario.

UNIQUE LEARNING OPPORTUNITIES: For undergraduate students, multiple small lab sections allow for considerable one-on-one time with professors and fellow students. We are one of the only Kinesiology programs in Canada with a formalized co-op program where you complete a minimum of four 4-month paid work terms. Graduate students in the thesis program focus on the study of human performance from a scientific perspective focusing on 8 content areas: adapted physical activity, biomechanics, sports medicine and rehabilitation, exercise physiology, motor control and learning, psychology of physical activity, sociocultural, and health promotion. There is also the option of completing a Master's thesis with a specialization in Gerontology. Graduate students in the course-based and Graduate Diploma programs focus on professional training, clinical skills upgrading for current and future practitioners in Kinesiology.

CAREER PATHS: Kinesiologist - working in areas such as health promotion, injury prevention, chronic disease management, ergonomics and workplace wellness & safety; Physical Education Teacher, Sports Agent, Strength & Conditioning Coach, Lifestyle Coach, Nutritionist.



L

LANGUAGES

- **Honours Bachelor of Arts (HBA)** 
 - **Double Major:** French and: English, History, or Philosophy 
- **Concurrent Education** 

Learning languages allows you to enjoy different cultural perspectives and worldviews, and to interact with peoples from around the world. As instruments of communication and discovery, languages open a window to the diversity of the human experience. Explore the languages of Finnish, German, Spanish, Italian, Mandarin, and the Classics (Latin and mythology). You can specifically major in French, combine French with another major, or even study French concurrently with Education to qualify to become a certified French Teacher. The ability to communicate effectively in French is not only an asset but can also be a requirement for many careers. As one of Canada's two official languages, French can be of great social benefit for anyone looking to strengthen their ties to Canada.

UNIQUE LEARNING OPPORTUNITIES:

Supplement your academics with French immersion experiences including: Summer employment and immersion courses in Quebec through programs such as Explore, or English teaching in a francophone country. Through our exchange program, you can also study at one of our partner universities in France. The Ontario/Rhône-Alpes Student Exchange Program is a great way to study in France while earning credits towards your Lakehead degree.

CAREER PATHS: Translator, Interpreter, Court Interpreter, Language Teacher, International Student Advisor, Public Relations Officer, Writer, Journalist, Foreign Affairs Specialist, Tour Guide, Hotel Manager, Government Officer.



M

MATHEMATICS

- **Honours Bachelor of Science (HBSc)** 
 - **Majors:** Mathematics or Mathematical Physics 
- **Bachelor of Science (BSc)** 
 - **Major:** Mathematics 
 - **Double Major:** Mathematics and Physics 
- **Honours Bachelor of Arts (HBA)** 
- **Bachelor of Arts (BA)**
 - **Double Major:** Mathematics and Economics 
- **Concurrent Education** 
- **Master of Science in Mathematical Sciences (MSc)** 

Mathematics is a science of pattern and order. It seeks order where there is chaos. You will explore

hidden patterns that help us understand many of the complex problems that surround us. The study of mathematics develops analytical and critical thinking skills, which employers find extremely valuable in today's competitive job market.

UNIQUE LEARNING OPPORTUNITIES:

Our Mathematics major has both a Bachelor of Arts and a Bachelor of Science option, depending on your area of interest and application. You can also choose to study mathematical physics, or combine your mathematics degree of choice with a degree in education, economics, or physics. This flexibility allows you to focus your education on particular topics starting in first year and graduate as an expert in the field.

CAREER PATHS: Data Mining Analyst, Financial Investment Analyst, Statistician, Teacher, Market Research Analyst, Accountant, Underwriter, Public Health Statistician, Cryptographer, Physicist, and fields such as Medical Sciences, Banking, Law, and Business.



MEDIA, FILM & COMMUNICATIONS

- **Honours Bachelor of Arts & Science (HBASc)** 

Are you creative yet determined to achieve a practical degree? Do you spend all your time on digital media? Media, Film & Communications is a high-impact, leading-edge program where you produce and study media: film and video, music and sound, photography, visual, print and social media. Explore the increasingly central role of digital media and technologies in society and produce a portfolio of work to launch your career in media, film, or communications.

UNIQUE LEARNING OPPORTUNITIES: Gain hands-on learning in media and film production labs with industry experts, and analysis of representation, social norms, and the role media play in individual and group identities. Exposure to industry-standard equipment, production software, and exposition is achieved through lab courses, professional internships, creative digital media projects, and an annual Media Arts Showcase.

CAREER PATHS: Videographer, Social Media Strategist, Digital Communications Expert, Multi-Media Journalist, Digital Curator, Filmmaker, Cinematographer, Photojournalist, Web Content Producer, Media Sensitivity Consultant, Mixed Media Communications Strategist, Public Relations.



MUSIC

- **Honours Bachelor of Arts (HBA)** 
- **Honours Bachelor of Music (HBMus)** 
 - **Artist Certificate:** Performance and Pedagogy 
- **Concurrent Education** 

With a comprehensive music curriculum and a wide range of orchestral instruments, including saxophone, classical guitar, piano, organ, and voice, we'll help you become an outstanding musician. Our goal is to cultivate your creativity and expose you to diverse musical genres, traditions, and innovations. Join us on a journey of musical discovery and self-expression that will inspire the world with our talent and creativity.

UNIQUE LEARNING OPPORTUNITIES:

Experience music beyond the classroom at Lakehead. Our program provides exclusive chances to engage with the local music scene, such as performing with the Thunder Bay Symphony Orchestra and joining the Thunder Bay Symphony Youth Orchestra. Our campus has facilities specifically tailored to musicians, such as a recital hall, music library, smart classrooms, and teaching studios.

CAREER PATHS: Preparing you for diverse career opportunities, performing in orchestras, bands, or as a solo artist, teaching music in schools or community groups, researching music history and theory, or working as an audio engineer. You'll gain the skills to succeed in any music-related career with Lakehead's degree.



N

NATURAL RESOURCES MANAGEMENT

- **Master of Natural Resources Management (MNRMT)** 
- **Doctor of Philosophy in Natural Resources Management (PhD)** 

This interdisciplinary, research-based program is focused on nurturing research scientists and academics in various fields, including but not limited to tree physiological ecology, forest genetics, tree improvement, forest ecology, biodiversity, conservation biology, evolutionary ecology, forest entomology, forest management, forest economics, forest operations, forest soils and soil conservation, international development, population/community ecology, the circumpolar north, remote sensing and photogrammetry, forest products and bioenergy, biorefining/biofuel and biotechnology, biogeochemistry/ecosystem ecology, wildlife/animal habitat management, behavioural ecology, wetland ecology, ecosystem reclamation, and wood science.

UNIQUE LEARNING OPPORTUNITIES: This program provides a friendly, interactive training environment. We emphasize inclusion, diversity and equity and attempt to realize the maximum potential of each individual student. We provide excellent opportunities for you to collaborate with professors from other academic units at the university (e.g., engineering, biology, history), scientists from government labs (e.g., Ontario Ministry of Natural Resources, USDA Forest Services), and industry partners.

CAREER PATHS: Research scientists at government or private research institutions, senior technical staff in natural resource industries, or faculty positions at universities.



NURSING

- **Bachelor of Science in Nursing (BScN)**
4-year or 3-year (compressed)

As leaders of nursing education and scholarship, Lakehead's nursing programs aim to prepare graduates who lead and advocate for health in Northwestern Ontario and beyond. Our curriculum is strongly rooted in a foundation of relational practice. We take pride in creating learning environments that prepare students to become active members of interprofessional health care teams committed to ethical, competent, and knowledgeable professional nursing practice.

UNIQUE LEARNING OPPORTUNITIES: Students complete a clinical placement in their first year and gradually expand their clinical experience and scope of practice through a variety of health care settings throughout their time in the program. Year three in the program allows for speciality nursing placements. In their final year of the program, students complete three 6-week placements with the potential for clinical practice across Ontario, within Canada, or internationally. All of our hands-on learning begins in our state-of-the-art nursing labs. We have four labs dedicated only to nursing students, where we integrate theory into lab and clinical learning to promote real-time feedback in a safe environment.

CAREER PATHS: Medical or Surgical Acute Care Nurse, Maternal-Infant Nurse, Mental Health Nurse, Pediatric Nurse, Community Health Nurse, Public Health Nurse, Peri-Operative Nurse, Critical Care Nurse, Nurse Researcher, Clinical Nurse Educator.



0

OUTDOOR RECREATION, PARKS & TOURISM

- **Honours Bachelor of Outdoor Recreation (HBOR)** – optional concentration in Nature-Based Therapeutic Recreation
- **Double Degrees:** Outdoor Recreation and: BA in Geography, History, Gender & Women's Studies or BSc in Natural Science
- **Concurrent Education**

Whether you already have extensive experience in outdoor recreation or you are just starting out on your path to adventure, our program will show you that outdoor recreation, parks, and tourism play increasingly important roles in society. They contribute to mental and physical health, culture, environmental appreciation, and economic

development. Our one-of-a-kind experiential program encourages you to think critically about the world around you and what it means to live in a more environmentally and socially just society.

UNIQUE LEARNING OPPORTUNITIES: From Lake Superior to Wabakimi Provincial Park, our program embraces the land and our region's unique character. With rivers, lakes and trails at our doorstep, along with the best the four seasons can provide, our region offers ideal outdoor learning environments filled with unconventional opportunities, including world-class climbing, cross-country skiing, canoeing, hiking, and wildlife viewing through partnerships with various community organizations and experiential, service-learning projects that make a difference in our communities.

CAREER PATHS: Adventure Guide, Outdoor Educator, Youth Camp Director, Recreation Therapist, Tourism Development Advisor, Park Manager, Small Business Owner, Park Interpreter, Recreation Programmer, Municipal Recreation Manager, Primary/Secondary Teacher.



P

PHILOSOPHY

- **Honours Bachelor of Arts (HBA)**
 - **Double Majors:** Philosophy and: English, French, History, Indigenous Learning, Political Science, or Psychology
- **Concurrent Education**

The study of philosophy is at the heart of university culture and intellectual life. Your exploration of the great questions and thinkers of the past and present will result in the development of your own reasoning skills through argument and debate. Examine both the natural and human world, and discover the ideas at the foundation of science and the arts in our world.

CAREER PATHS: Law, Medicine, Education, Business, Civil Services – the world is without limits to someone with an educated imagination.



PHYSICS

- **Honours Bachelor of Science (HBS)**
– optional concentration in Biomedical Physics
 - **Majors:** Mathematical Physics or Physics
- **Bachelor of Science (BSc)**
 - **Double Major:** Mathematics and Physics
- **Concurrent Education**
- **Master of Science in Physics (MSc)**

Physics is crucial to understanding the world around us, the world inside us, and the world beyond us. It is the most basic and fundamental natural science. Through both experiment and

theory, you will attempt to uncover the laws of nature at the deepest level. You will be exposed to knowledge in a variety of fields to equip you with the understanding and technical skills needed for success. In your senior years, you will have the opportunity to do advanced research in mathematical physics, biomedical physics, medical imaging, nanostructured surfaces, and fibre optics.

UNIQUE LEARNING OPPORTUNITIES:

Lakehead is a partner institution with the Thunder Bay Regional Health Research Institute providing you with access to state-of-the-art biomedical imaging devices such as Magnetic Resonance Imaging (MRI), and a facility for medical imaging detector development and testing (including a clean room for material fabrication). These facilities are part of specialized biomedical physics courses, as well as part of the Physics - Thunder Bay Regional Health Research Institute's summer school in medical imaging. Graduate students are able to enrol in co-operative education, which allows them to gain hands-on experience alongside their thesis work.

CAREER PATHS: Physicist, Biophysicist, Astronomer, Medical Physicist, Meteorologist, Geophysicist, Research Scientist, Data Analyst, IT Professional, Optical Technician, Biomedical Engineer, Atmospheric Scientist, Radiologist.



POLITICAL SCIENCE / PRE-LAW

- **Honours Bachelor of Arts (HBA)**
 - **Majors:** Political Science or Political Science Pre-Law
 - **Double Majors:** Political Science and: Economics, History, Philosophy, or Gender & Women's Studies

Examine the theory and practice of state and government and the benefits we seek through political organization, such as freedom, well-being, equality, and justice. In our student-centred learning environment, you will study all aspects of Canadian politics, including the federal system, voting behaviour, political parties and pressure groups.

You will also explore political systems from across the globe, and how they interact on the international stage. For those with a special interest in politics abroad, our minor in International Politics is one of the very few in Canada.

UNIQUE LEARNING OPPORTUNITIES: Thinking about Law School? Consider our specialized Pre-Law program designed to introduce you to the study of law by emphasizing subject matter related to the legal process, in addition to politics. Graduates are regularly accepted to excellent Law Schools including the Bora Laskin Faculty of Law at Lakehead.

CAREER PATHS: Public Policy Analyst, Civil Servant, Elected Official, Diplomat, Economic Development Officer, Social Policy Program Officer, Lawyer, Market Analyst, Business Consultant, Public Relations Specialist, Press Officer.



PSYCHOLOGY

- **Honours Bachelor of Arts (HBA)*** – optional concentration in Gender & Women's Studies
- **Double Major:** Psychology and: Philosophy, Gender & Women's Studies
- **Honours Bachelor of Science (HBSc)***
- **Concurrent Education**
- **Master of Arts in Clinical Psychology (MA)** – optional specializations in Gerontology or Gender & Women's Studies
- **Master of Science in Psychological Science (MSc)** – optional specializations in Gerontology or Gender & Women's Studies
- **Doctor of Philosophy in Clinical Psychology (PhD)**
- **Doctor of Philosophy in Psychological Science (PhD)**

*Specialized Honours Available

Psychologists share a desire to make a positive contribution to human welfare through understanding and influencing the thoughts, feelings, and behaviour of individuals. How do we perceive, think, and learn? What motivates us? What makes us unique? How are we influenced by our social and physical environments? How do biological factors and/or drugs affect us? Explore a wide range of topics, including biological, cognitive, social, developmental, abnormal, and individual psychology.

UNIQUE LEARNING OPPORTUNITIES:

Many of our faculty are practicing clinical psychologists who bring a wealth of expertise in areas such as addiction, eating disorders, and depression to the classroom. We feature immersive research opportunities beginning in first year and culminating with the opportunity to integrate your learning in a fourth-year project or thesis at the undergraduate level. Students interested in pursuing their studies further have the option of entering one of two Master's programs: the Master of Arts in Clinical Psychology or the Master of Science in Psychological Science (with Gerontology specialization options), and subsequently continuing into the Doctor of Philosophy Degree in Psychological Science.

CAREER PATHS: Psychologist, Psychotherapist, Psychometrist, Researcher, Social and Support Worker, and careers in fields such as Law, Medicine and other Health Care areas, as well as Business/Advertising.



PUBLIC HEALTH

- **Master of Public Health (MPH)** – specializations in Social-Ecological Systems, Sustainability and Health; Epidemiology; Indigenous and Northern Health; Gerontology; or Nursing

The program is primarily intended to prepare you for a career in public health practice. Taking into account the Core Competencies for Public Health in Canada, and expanding on the diverse research and skills of faculty, the Master of Public Health program is primarily intended to build on the knowledge foundation of persons currently working in the field of public health. The curriculum focuses on current issues in the science and/or service of public health, so that students may gain experience through opportunities in any of the fundamental disciplines that underlie public health.

UNIQUE LEARNING OPPORTUNITIES:

Current faculty research includes: dementia, aging, determinants of safe and unsafe driving, food systems, geographic information systems, mental health, sustainability and more. Courses include advanced topics in public and population health, social and ecological determinants of health, biostatistics, epidemiology, health promotion and illness prevention, environmental and occupational public health, program planning and evaluation.

CAREER PATHS: Health Policy Researcher, Policy Consultant, Manager in Health Care, Specialist in Clinical and Laboratory Medicine, Statistical Methodologist, Public and Environmental Health and Safety Professional.



SOCIAL JUSTICE

- **Master of Arts in Social Justice Studies (MA)** – optional specialization in Gender & Women's Studies

The MA Social Justice Studies is an innovative, interdisciplinary program with options to complete the program through courses, or a combination of courses with a practicum, a creative project, or a research project. Social Justice Studies delivers a transformative education by asking students to think critically about the values, cultural assumptions, and actions that maintain the current economic, political, and social structures which shape our day-to-day lives. Our program empowers students with the practical skills and theoretical knowledge necessary to challenge the informal and formal configurations of power and oppression within local, national, and global contexts.

The flexibility of the program allows students to take courses with, and be supervised by, dynamic faculty from across the Social Sciences and Humanities. Our faculty come from a broad range of disciplinary specialties including Indigenous Learning, Gender & Women's Studies, Visual Arts, Sociology, Education, Music, English, and more, and are committed to positive political, social, and economic change, participate in community-based research, and are dedicated to fostering an environment of political engagement with those issues relevant to social justice.

UNIQUE LEARNING OPPORTUNITIES:

The program offers four streams that students can pursue during the two-year degree: coursework, research project, creative project, or practicum. Connecting scholarly inquiry and community-based learning provides students with practical experience and an opportunity to develop necessary critical skills through an intersectional approach to social justice.

CAREER PATHS: Students who have completed the program go on to pursue doctoral studies, attend law school, attend medical school, work in the non-profit or education sectors, work in city or provincial government positions, or use the program for other forms of personal and professional development. This program prepares students to work, research and advocate towards a more socially just society.



SOCIAL WORK

- **Honours Bachelor of Social Work (HBSW)** – concentrations in Indigenous Learning, Gender & Women's Studies ; specialization in Gender & Women's Studies
- **Master of Social Work (MSW)** – optional specialization in Gerontology or Gender & Women's Studies

Social work is an exciting, dynamic and diverse people-oriented profession. Whether providing counselling to individuals, families or groups, working with whole communities, or developing innovative social policy to promote change, our program provides you with an opportunity to learn the foundational skills required to begin your career as a Social Worker. Our programs are fully accredited by the Canadian Association for Social Work Education.

As an undergraduate student, you will begin your academic journey enrolling in introductory social work courses alongside courses to broaden your knowledge and further your critical and analytical skills. You will be required to apply for admission to the professional years (third and fourth year) during your second year of study. Additionally, you will participate in two field placements, under the direction of qualified social work supervisors, completing 110 days of on-the-job training in a social service agency or community organization.

The School of Social Work established the MSW program to train advanced generalist social workers for practice with individuals, families, communities, and organizations in contexts from major urban centres to northern, and rural areas. Our smaller campuses and approachable faculty provide a welcoming learning environment.

UNIQUE LEARNING OPPORTUNITIES: Field education is an integral component of the program with placement opportunities in a child welfare agency, hospital, mental health counselling agency, correctional facility, community organizations, school settings and much more!

CAREER PATHS: Career opportunities exist in various settings where social work practice takes place such as in child and family welfare, mental health, corrections, health services, schools and services for the aged, as well as community development, advocacy and research programs.



SOCIOLOGY

- **Honours Bachelor of Arts (HBA)** 
 - **Double Majors:** Sociology and: History, Gender & Women's Studies 
- **Concurrent Education** 
- **Master of Arts in Sociology (MA)** – optional specializations in Gender & Women's Studies, Gerontology or Social Justice Studies 

Study all aspects of human group life, ranging from personal relationships to organizations and institutions, and social forces that operate on national and global levels. You will learn a diverse array of theoretical perspectives and research methods to help you understand the social world and study the issues that are important to you.

At Lakehead, you will master the essentials of social research while applying these skills to study and better understand numerous topics and issues in social life that interest you most. Sociology provides students with highly flexible and marketable skills for employers. For example, students learn to think critically and analytically, understand the social trends and organizational dynamics behind a host of real-world issues, synthesize complex information, communicate clearly in oral and written form, and mobilize diverse methods of social research to collect rich data and usefully analyze social patterns.

UNIQUE LEARNING OPPORTUNITIES: Research, coupled with hands-on application, is at the core of our programs. You will graduate with the necessary skills to facilitate quantitative and qualitative research, and to think creatively and inquisitively to better understand social patterns, behaviours, and issues across a wide range of contexts.

Graduate students have the option of adding a specialization to their MA degree in the following areas: Gender & Women's Studies, Gerontology, and Social Justice Studies.

CAREER PATHS: Community and Government Organizations, Management and Administration, Counselling and Social Work, Human Resources, Labour Relations, Social Policy Development, Private and Public Sector Research, Activism and Advocacy, Education and Teaching, Health and Aging, Police Services, as well providing a strong foundation for Professional Programs such as Law, Medicine, Nursing, and Journalism, and Graduate Degrees in Sociology.



V

VISUAL ARTS

- **Bachelor of Arts (BA)** 
- **Honours Bachelor of Fine Arts (HBFA)** 
- **Concurrent Education** 

Develop your skills as an artist and experience studio classes devoted to painting, drawing, sculpture, and ceramics. Combine practical, theoretical, and critical approaches to the study of art and art history. Exhibit your work at public galleries including the annual Student Juried Exhibition at the Thunder Bay Art Gallery where the high quality of student art produced is celebrated. Enjoy Visiting Artist talks, gallery visits, community activity, internship job experiences and more.

Interested in becoming a certified teacher? We offer a 5-year Bachelor of Arts and Bachelor of Education (BA/BE) at the primary/junior level, and a 6-year Honours Bachelor of Fine Arts and Bachelor of Education program (HBFA/BE) at the primary/junior and intermediate/senior levels.

UNIQUE LEARNING OPPORTUNITIES: Our small size allows focus on you as an individual artist and personal attention within the studio setting. Experiential learning opportunities at the fourth-year level at local arts institutions and organizations complement the structure of in-class learning. Previous classes have visited art and cultural centres in Toronto, Chicago, Montreal, Ottawa, Minneapolis, New York, Winnipeg and Calgary.

CAREER PATHS: Professional Artist, Gallery Director / Owner, Book Illustrator, Animator, Curator, Arts Administrator, Museum Merchandiser, Graphic Designer, Media Coordinator, Medical Illustrator, Special Effects Consultant, Set Designer, Art Therapist, Media Specialist, Primary, Secondary and Postsecondary teacher, Art Dealer, Community-Based Arts Educator, Art Historian, Art Critique, Tattoo Artist.



W

WATER SCIENCE

- **Honours Bachelor of Science (HBS) in Water Science** 
- **Honours Bachelor of Science (HBS) in Water Resource Science** – specialization in Applied Environmental Water Management 

Water quality and adequate supplies of freshwater are important issues in Canada and the rest of the world. With increasing population growth and climate change, sustainable management of this limited and vital resource is at the forefront of science and policy. Gain the skills and knowledge required to tackle complex problems related to sustaining and improving water quality to meet the many growing demands on this precious resource.

UNIQUE LEARNING OPPORTUNITIES: Lakehead offers a unique undergraduate program in Canada specializing in Water Science and Resources. The curriculum in our Water Science program has been revised so that graduates satisfy the knowledge requirements for the Professional Geoscientist designation should they choose to apply to become a Professional Geoscientist in Canada. We also offer a program in Water Resource Science in partnership with Confederation College, in which students graduate with a four-year degree and two-year diploma in four years. Located on the shore of the largest freshwater lake in the world, Thunder Bay offers an unparalleled location to learn about water and enables us to deliver field-based experiential learning opportunities.

CAREER PATHS: Hydrologist, Environmental Technician, Watershed Manager, Environmental Consultant, Environmental Programs Manager, Geomatics, Fisheries, Limnology, Public Works Manager.



**STILL UNSURE OF
YOUR MAJOR?
EXPLORE LAKEHEAD'S
AREAS OF STUDY:**

*Program
Navigator*





HOW TO APPLY

1 APPLY ONLINE

For details and links to our undergraduate and graduate online applications, visit:

lakeheadu.ca/apply-now

2 SUBMIT DOCUMENTS

Submit the documents required to support your application as outlined by Lakehead's Admissions Office. These include transcripts and may include English language test scores, or other program-specific documents as requested.

UNDERGRADUATE APPLICANTS:

Digital (email): Digital transcripts must be emailed directly to Lakehead University from your institution:

docs.admission@lakeheadu.ca

Physical copy (mail): If you are mailing transcripts, please send them to:

Lakehead University
Undergraduate Recruitment & Admissions
955 Oliver Road, Thunder Bay, Ontario
P7B 5E1 Canada

GRADUATE APPLICANTS:

Digital (upload): Upload your unofficial documents to your online application. After you receive your Conditional Letter of Acceptance, have your institution email official transcripts directly to: gstudent@lakeheadu.ca

Physical copy (mail): If official documents have not been sent digitally, mail official documents after you receive your Conditional Letter of Acceptance:

Lakehead University
Faculty of Graduate Studies
955 Oliver Road, Thunder Bay, Ontario
P7B 5E1 Canada

3 SET UP YOUR LAKEHEAD EMAIL

Set up your Lakehead email account using the login information sent to you in your Acknowledgment Email and check it regularly for updates from Lakehead about your application, course registration, orientation, travel preparation, and more.

4 TRACK THE STATUS OF YOUR APPLICATION

After you apply, we will send you an Acknowledgment Email with your Lakehead login information to access the student portal.

UNDERGRADUATE APPLICANTS:

To check the status of your application, log into the student portal and go to Admissions > My Applications. If you are admitted to an undergraduate program, you will see the Letter of Acceptance under "My Admission Letters."

GRADUATE APPLICANTS:

Monitor the status of your application in the application portal. If you are admitted to a graduate program, you will receive your official Letter of Acceptance by email in your Lakehead account.

5 ACCEPT YOUR LETTER OF ACCEPTANCE

Follow the instructions on your Letter of Acceptance, and find additional details at:

lakeheadu.ca/letter-of-acceptance

6 FOLLOW THE NEXT STEPS

Find details about everything from study permits, tuition fees, course registration, and more:

lakeheadu.ca/international/newly-accepted

ADMISSION REQUIREMENTS

UNDERGRADUATE ADMISSION REQUIREMENTS

To be considered for admission to an undergraduate program at Lakehead University, we require:

- ▶ Successful graduation from an academic secondary school program or equivalent. For admission requirements by country, visit:
lakeheadu.ca/undergrad-requirements-by-country
- ▶ Canadian equivalent of a minimum 70%* overall final average
- ▶ Depending on your program of study, program-specific prerequisite courses, visit:
lakeheadu.ca/undergrad-prerequisites

INTERNATIONAL BACCALAUREATE PROGRAM (IB):

International Baccalaureate Diploma Programme applicants who achieve their diploma with a total score of at least 24 may be eligible for admission. Three Higher Level subjects must be completed. Meeting the minimum admission requirements does not guarantee admission. Some of our competitive programs may require a total score greater than 24. Prerequisite courses may be presented at either the Standard Level or Higher Level excluding the following:

- ▶ All Honours Science programs and Bachelor of Engineering programs require one Advanced Functions (or equivalent) Mathematics course. For IB applicants, they may meet this requirement by having one of the following courses:
 - ▶ Mathematics: Analysis & Approaches (SL or HL)
 - ▶ Mathematics: Applications & Interpretations (HL)

Note: You may be considered for advanced standing credit in some Higher Level subjects provided a score of five (5) or better has been attained in the Higher Level subject.

ADVANCED PLACEMENT (AP):

Advanced Placement courses and examinations may be used to determine admissibility and the granting of credit or exemption. If you have achieved a minimum grade of 4 on certain advanced placement exams, you may be eligible to receive university credit.

Note: Engineering programs are not eligible for AP transfer credit consideration. To be considered for transfer credit, you must have the College Board send your results directly to Lakehead University as soon as they are available.

CANADIAN CURRICULUM OFFERED OUTSIDE OF CANADA:

If you have studied at a high school offering Canadian curriculum, you will need the following:

- ▶ Senior Secondary Graduation Diploma
- ▶ Minimum of four Grade 12 courses, including program-specific prerequisite courses
- ▶ Minimum 70%* overall final average

For additional details based on province-specific curriculum, visit:

lakeheadu.ca/canadian-curriculum-requirements

ONTARIO CURRICULUM:

If you have studied at a high school offering the Ontario curriculum, you will need the following:

- ▶ Completion of the Ontario Secondary School Diploma (OSSD)
- ▶ A minimum of six Grade 12 U or M courses, or equivalent, including program-specific prerequisite courses
- ▶ A minimum 70%* overall final average (admission averages are calculated using the top six Grade 12 U or M courses, or equivalent)

UNITED STATES OF AMERICA (U.S.A.):

You will be considered for admission provided you:

- ▶ Achieve a minimum admission average of 70% based on your senior level (i.e., Grade 12) or equivalent courses
- ▶ Complete a minimum of four academic courses at the senior level or equivalent
- ▶ Satisfy the program specific prerequisites by completing academic courses at the senior level or equivalent
- ▶ Obtain your high school diploma from an accredited institution

Applicants are not required to complete an ACT or SAT.

BRITISH-PATTERNED EDUCATION:

You will be considered for admission provided the following criteria are met:

1. Possess the (International) General Certificate of Secondary Education with:
 - i. Passes in at least five subjects:
 - ▶ Two of which must be at the Advanced Level (GCE)
 - ▶ Two subjects at the Advanced Supplementary (AS) Level may be substituted for one subject at the Advanced Level
 - ▶ The remaining three passes may be at the Ordinary Level (GCSE)
 - ii. Acceptable standing must be achieved in all subjects
2. Applicants may apply for admission in the year they will be sitting for their final A-Level examinations provided they can present excellent grades in their O-Level examinations and strong predicted A-Level results.
3. With the exception of the Faculty of Engineering, all programs requiring "Mathematics" as a prerequisite, AS-Level Mathematics is required.
4. In addition to the above, applicants interested in the four-year Bachelor of Engineering degree program must complete the following prerequisite courses:
 - i. A-Level Mathematics
 - ii. A-Level Physics
 - iii. A-Level Chemistry is preferred; AS-level Chemistry will be accepted
 - iv. O-Level English
5. Applicants presenting A-Level examinations with a minimum grade of "C" may be considered for advanced standing.
6. To Satisfy the Academic English prerequisite requirement, applicants may present any GCSE/AS/A-Level English Language or Literature course.

GRADUATE ADMISSION REQUIREMENTS

Our minimum admission requirement for consideration of international applicants is a minimum grade of B, or Second Class (Upper Division is required) with an accredited university degree equivalent to a Lakehead University four-year degree. We advise all international students to apply early, as admission into our programs is competitive. Should you wish to apply to a thesis program, we strongly advise you to contact a potential supervisor and have your proof of English language proficiency complete. At this time, we do not pre-assess qualifications. Please reference our International Credential Equivalency by Country:

lakeheadu.ca/graduate-international-credential-equivalency



*Higher averages may be required for admission to programs in which the demand for places by qualified applicants exceeds the supply of available spaces.

UNDERGRADUATE PROGRAM-SPECIFIC PREREQUISITES

In addition to the admission requirements outlined on page 59, you must also satisfy Lakehead University's program-specific prerequisites for your academic program of interest in order to be considered for admission. You must complete these prerequisite subjects at the senior/final year level. Visit:

lakeheadu.ca/undergrad-prerequisites

PROGRAM & MAJORS:		PREREQUISITES:
ARTS		
- Anthropology^{*^} - English^{*^*} (may be combined with Gender & Women's Studies, History[^], Philosophy) - Gender & Women's Studies[*] - General Arts - Geography^{*^} - History^{*^*} (may be combined with Gender & Women's Studies, Philosophy, Political Science, Sociology) - Indigenous Learning (may be combined with Gender & Women's Studies, Philosophy) - Lakehead Arts One^{*^} (may be combined with Gender & Women's Studies)	- Music^{*^*} - Philosophy[*] (may be combined with Political Science) - Political Science (Pre-Law option available) (may be combined with Gender & Women's Studies) - Psychology^{*^} (may be combined with Gender & Women's Studies, Philosophy) (Specialized Honours optional) - Sociology[*] (may be combined with Gender & Women's Studies) - Visual Arts[*]	English
Economics (may be combined with Political Science)		English; Math
- English & French[^] - French^{*^} (may be combined with History[^], Philosophy)		English; French
Mathematics^{*^} (may be combined with Economics)		English; Math
ARTS & SCIENCE		
- Anthropology[*] - Criminology - English[*] - Environmental Sustainability ^{*^} - Geography[*]	- Interdisciplinary Studies^{*^} (concentrations in: Environment in Politics & Culture, Human Nature, International Conflict & Human Rights, Social Justice[*]) - Media, Film & Communications	English For Media, Film and Communications, a portfolio is required.
BUSINESS		
Business Administration and Commerce (with majors in: Accounting[*], Business Administration[*], Business Analytics and Information Systems[*], Business Economics, Finance[*], General Management, Human Resources Management/Industrial Relations[*], International Business, Marketing[*])		English; Math; <i>Applicants without Math may be considered for admission but will be required to take a prescribed course as a first-year elective.</i>
CONCURRENT EDUCATION		
Concurrent Education is offered with a number of arts, arts & science, and science programs. You will see them listed throughout the chart. P/J[*] - Primary/Junior (Kindergarten to Grade 6) I/S[^] - Intermediate/Senior (Grades 7 to 12)		For prerequisites, please refer to the primary degree you would like to take alongside Concurrent Education.
- Indigenous Teacher Education (P/J) - Indigenous Learning (I/S)		English; <i>Proof of Indigenous ancestry within a Canadian context may be required.</i>
CONSECUTIVE EDUCATION		
Bachelor of Education P/J[*] - Primary/Junior (Kindergarten to Grade 6) I/S[^] - Intermediate/Senior (Grades 7 to 12) with two teachable subjects The following Intermediate/Senior teachable subjects are available: Biology; Chemistry; English; Environmental Science; First Nations, Métis and Inuit Studies; French (as a Second Language); General Science; Geography; Health and Physical Education; History; Mathematics; Music; Native Languages; Physics; Social Sciences (2nd teachable only); Visual Arts		All other teachables - Relevant Undergraduate Degree Health and Physical Education - Kinesiology or Physical Education degree required if applying as a first teachable Music - Music degree required Visual Arts - Visual Arts degree required
ENGINEERING		
- Chemical[*]; Chemical[*] + MBA - Civil[*]; Civil[*] + MBA - Electrical[*]; Electrical[*] + MBA	- Mechanical[*]; Mechanical[*] + MBA - Mechatronics[*]	English; Math; Chemistry; Physics. Note: A final grade of 60% (Canadian equivalent) is required in Math.
Software[*]; Software[*] + MBA		English; Math with final grade of 60% (Cdn equivalent); Physics; & 1 from: Biology, Chemistry, or Computer Science.

^{*}Co-operative Education available.

[°] Higher averages may be required for admission to programs in which the demand for places by qualified applicants exceeds the supply of available spaces.

^{* ^ *} **CONCURRENT EDUCATION OPTIONS:**

^{*} You may combine this program with Concurrent Education P/J (Primary/Junior).

[^] You may combine this program with Concurrent Education I/S (Intermediate/Senior).

^{*} 5-year accelerated Concurrent Education option available.

PROGRAM & MAJORS:

PREREQUISITES:

ENVIRONMENTAL MANAGEMENT

- Environmental Management♦

English; 3 from: Biology, Chemistry, Computer Science, Geography, Math, or Physics

ENVIRONMENTAL SCIENCE

- Major in: Biology^, Earth Science, or Geography^

English; Math

ENVIRONMENTAL STUDIES

- Geography^

English

FINE ARTS

- Visual Arts^

English

FORESTRY

- Forestry♦; Forestry♦ + MBA

English; 3 from: Biology, Chemistry, Computer Science, Geography, Math, or Physics

KINESIOLOGY

- Kinesiology♦** (5-year accelerated option requires a final average of at least 75%)

English; Math; 2 from Biology, Chemistry, or Physics

MUSIC

- Music° (An audition is required.)

English

NURSING

- 4-Year Nursing°
- 3-Year Compressed Nursing°

A minimum final average of 80% (high school) 70% (post secondary) (Canadian equivalent) is required for the Compressed program.

English; Biology; Chemistry; Math

A minimum grade of 60% (Canadian equivalent) is required in each of the program-specific prerequisites for both programs.

OUTDOOR RECREATION

- Outdoor Recreation, Parks & Tourism*^ (may be combined with Gender & Women's Studies, Geography, History) (Major Concentration in Nature-Based Therapeutic Recreation optional)
- Outdoor Recreation & BSc (Natural Science)

English

English; 2 from: Biology, Chemistry, Earth & Space Science, Math, or Physics

SCIENCE

- Anthropology*^
- Applied Life Sciences
- Applied Life Sciences with Major Concentration in Biomedical Sciences
- Biology^
- Biology with Major Concentration in Animal Sciences, Biodiversity and Conservation, or Plant Sciences
- Geography*^
- Geography with Geology Minor
- Lakehead Science One
- Mathematical Physics
- Physics♦*^
- Physics with Major Concentration in Biomedical Physics

English; Math; 2 from: Biology, Chemistry, Earth & Space Science, Math (additional), or Physics

- Bioinformatics

English; Biology; Chemistry; Math

- Biology & Chemistry^
- Chemistry*^ (Specialization in Medical Sciences optional)

English; Chemistry; Math; 1 from: Biology, Math (additional), or Physics

- Computer Science♦

English; Math; 1 from: Computer Science, Math (additional), or Physics

- Earth Science*^
- General Science
- Geoarchaeology
- Natural Science*
- Lakehead Science One*^

English; 2 from: Biology, Chemistry, Earth & Space Science, Math, or Physics
For Lakehead Science One: English; Math; 1 from: Biology, Chemistry, Computer Science, Earth & Space Science, Math (additional), or Physics

- Geology^

English; Math

- Mathematics*^
- Mathematics & Physics

English; Math; 1 from: Biology, Chemistry, Math (additional), or Physics

- Psychology^ (Specialized Honours optional)

English; Math; 2 from: Biology, Chemistry, Math (additional), or Physics

- Resource & Environmental Economics

English; Math; 1 from: Biology, Chemistry, or Physics

- Water Science (Specialization in Applied Environmental Water Management optional)

English; 3 from: Biology, Chemistry, Math, or Physics

SOCIAL WORK

- Social Work (Major Concentration in Gender & Women's Studies or Indigenous Learning optional)

English

ENGLISH LANGUAGE PROFICIENCY (ELP)

ENGLISH LANGUAGE PROFICIENCY REQUIREMENTS

You may meet our English language requirements if you have successfully completed (or are in the process of completing) three years of full-time recent study in an English language school system. For graduate program applicants, these three years must be at the postsecondary level. If you do not meet these requirements, you will be required to present one of the following as proof of English language proficiency:

- 1 Successful completion of one of the language tests with the required minimum scores (see right).
- 2 Successful completion of Lakehead University's Academic English Program.
- 3 Successful completion of one of our approved Pathway Partner's programs.
- 4 Successful completion of approved Senior-Level English courses.



ACADEMIC ENGLISH PROGRAM

If you do not meet the English language proficiency requirements for the academic program you have applied for, but meet all the other admission requirements, you may be admitted to your academic program on the condition of completing the Academic English Program (AEP) or Intensive Academic English Program (IAEP).

Undergraduate Applicants: If you have already been conditionally admitted to an Undergraduate Program, you do not need to apply separately for the Academic English Program (AEP).

Graduate Applicants: If you have already been admitted to a Graduate-Level Program and need to take the Academic English Program (AEP), please apply to AEP following the instructions outlined in your Conditional Letter of Acceptance.

The Academic English Program (AEP) has five levels. Each level is one semester long (13 weeks) and is equivalent to 0.5 points on the IELTS scale. As an added bonus, when you are in your final semester of the Academic English Program, you will have the option to take one for-credit class in your academic program.

 lakeheadu.ca/aep



COMMON ELP TESTS & MINIMUM SCORES

IELTS - International English Language Testing

- ▶ *IELTS Online tests are accepted.*
- ▶ *System Applicants must complete the Academic test, not the General test.*
- ▶ Minimum Score: 6.5 (no individual score less than 6.0)
- ▶ For Nursing, Juris Doctor, Consecutive Education, Master of Education, Master of Public Health, Master of Health Science: Minimum Score: 7 (Minimum Individual Component Scores: Writing 7, Speaking 7, Reading 6.5, Listening 6.5)
- ▶ For PhD Educational Studies: Minimum Score: 7 (no individual score less than 6.5)
- ▶ For MA Clinical Psychology, MSc Psychological Science: Minimum Score: 7

TOEFL (internet based)

- ▶ Minimum Score: 80 (no component score less than 19)
- ▶ For PhD Educational Studies, Minimum Score: 100 (Minimum Individual Component Scores: Writing 27, Reading 27)
- ▶ For MA Clinical Psychology, MSc Psychological Science, Master of Public Health, Master of Health Science: Minimum Score: 100
- ▶ For Nursing, Juris Doctor, Consecutive Education, Master of Education: Minimum Score: 103 (Minimum Individual Component Scores: Writing 28, Speaking 28, Reading 24, Listening 24)
- ▶ Lakehead University's Institution Code for TOEFL scores is 0888.

Cambridge Academic English Test

- ▶ C1 Advanced or C2 Proficiency
- ▶ Minimum Score: 176 (no individual score less than 169)
- ▶ For Nursing, Juris Doctor, Consecutive Education, Master of Education: Minimum Overall Score: 185 (Minimum Individual Component Scores: Listening 176, Reading & Use of English 176, Speaking 185, Writing 185)
- ▶ Applicants must provide the respective Lakehead Admissions office with their Candidate ID and Candidate Number.

DuoLingo

- ▶ Minimum Score: 120 (no individual subscore requirement less than 115)
- ▶ For Nursing, Juris Doctor, Consecutive Education, Master of Education: Minimum Score: 130 (Minimum Individual Subscores: Listening 115, Reading 120, Speaking 130, Writing 145)
- ▶ The Master of Public Health and MSc Health Science programs do not accept Duolingo for English Proficiency.

PTE Academic - Pearson Test of English Academic

- ▶ Minimum Score: 58 (no component score less than 50)
- ▶ For Nursing, Juris Doctor, Consecutive Education, Master of Education: Minimum Overall Score: 65 (Listening 58, Reading 58, Speaking 65, Writing 65)

CAEL - Canadian Academic English Language Assessment / CAEL - CE (Computer Edition)

- ▶ Minimum Score: 60
- ▶ For MA Clinical Psychology, MSc Psychological Science, Master of Public Health, Master of Health Science: Minimum Score: 80

NOTE: Some academic units may require a higher score or higher minimum individual band scores. Meeting the minimum requirements does not guarantee admission to Lakehead University.

CANADIANS ABROAD

Welcome Home

Continue your global education at Lakehead, where you can study with students from over 90 nations, benefit from the worldwide recognition and high calibre of the Canadian public university system, and access affordable Canadian tuition rates, generous scholarships, and bursaries.

UNIVERSITY STUDIES IN CANADA

Lakehead University welcomes Canadian students who have graduated from recognized international high schools and institutions from around the world. Returning to Canada to embark on the next stage of your education is the perfect way to blend the best of Canadian university studies with your vast international experiences.

lakeheadu.ca/welcomehome

ADMISSIONS FOR CANADIANS ABROAD

As a Canadian studying abroad, you will be assessed for admission to Lakehead University based on the program you have applied to and your international credentials and background. Your transcripts will be converted to Canadian equivalency for courses and grades earned, and then admission will be determined.

Undergraduate Admissions

✉ intl.admission@lakeheadu.ca

🔗 lakeheadu.ca/undergraduate-admissions

Graduate Admissions

✉ gstudent@lakeheadu.ca

🔗 lakeheadu.ca/graduate-applications

TUITION & FEES FOR CANADIANS

As a Canadian citizen studying abroad, when you return to Canada for your university studies, you will be able to take advantage of, and qualify for, domestic tuition rates and fees.

🔗 lakeheadu.ca/tuition-fees

UNDERGRADUATE ENTRANCE SCHOLARSHIPS FOR CANADIANS

Automatic - No scholarship application required

Canadian citizens entering Lakehead University directly from high school with a minimum 80% average (Canadian equivalent) will automatically be considered for our generous entrance scholarships.

🔗 lakeheadu.ca/studentcentral/financing-budgeting

Academic Average (Canadian Equivalent)		Scholarship Total (Value Per Year)
95.0% & OVER	=	FREE TUITION (Tuition x 4 years)
90.0% - 94.9%	=	\$10,000 CAD (\$2,500 x 4 years)
85.0% - 89.9%	=	\$5,000 CAD (\$1,250 x 4 years)
80.0% - 84.9%	=	\$3,000 CAD (\$750 x 4 years)

For complete terms and conditions, visit: lakeheadu.ca/entrance-awards

OTHER UNDERGRADUATE SCHOLARSHIPS & BURSARIES

In addition to entrance scholarships, Lakehead offers a generous Presidential Scholarship, entrance bursaries, and more. Visit:

🔗 lakeheadu.ca/entrance-awards

GRADUATE SCHOLARSHIPS & FUNDING FOR CANADIANS

Visit the graduate funding website for graduate scholarships, awards, bursaries and graduate assistantships available to Canadian citizens:

🔗 lakeheadu.ca/graduate-funding



DISCOVER LAKEHEAD

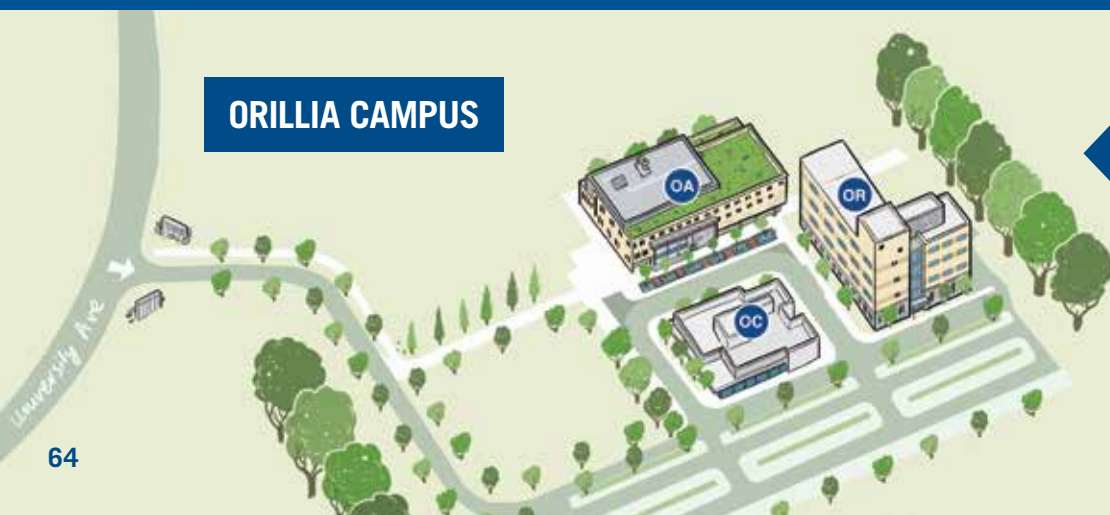


THUNDER BAY CAMPUS

THUNDER BAY CAMPUS LEGEND

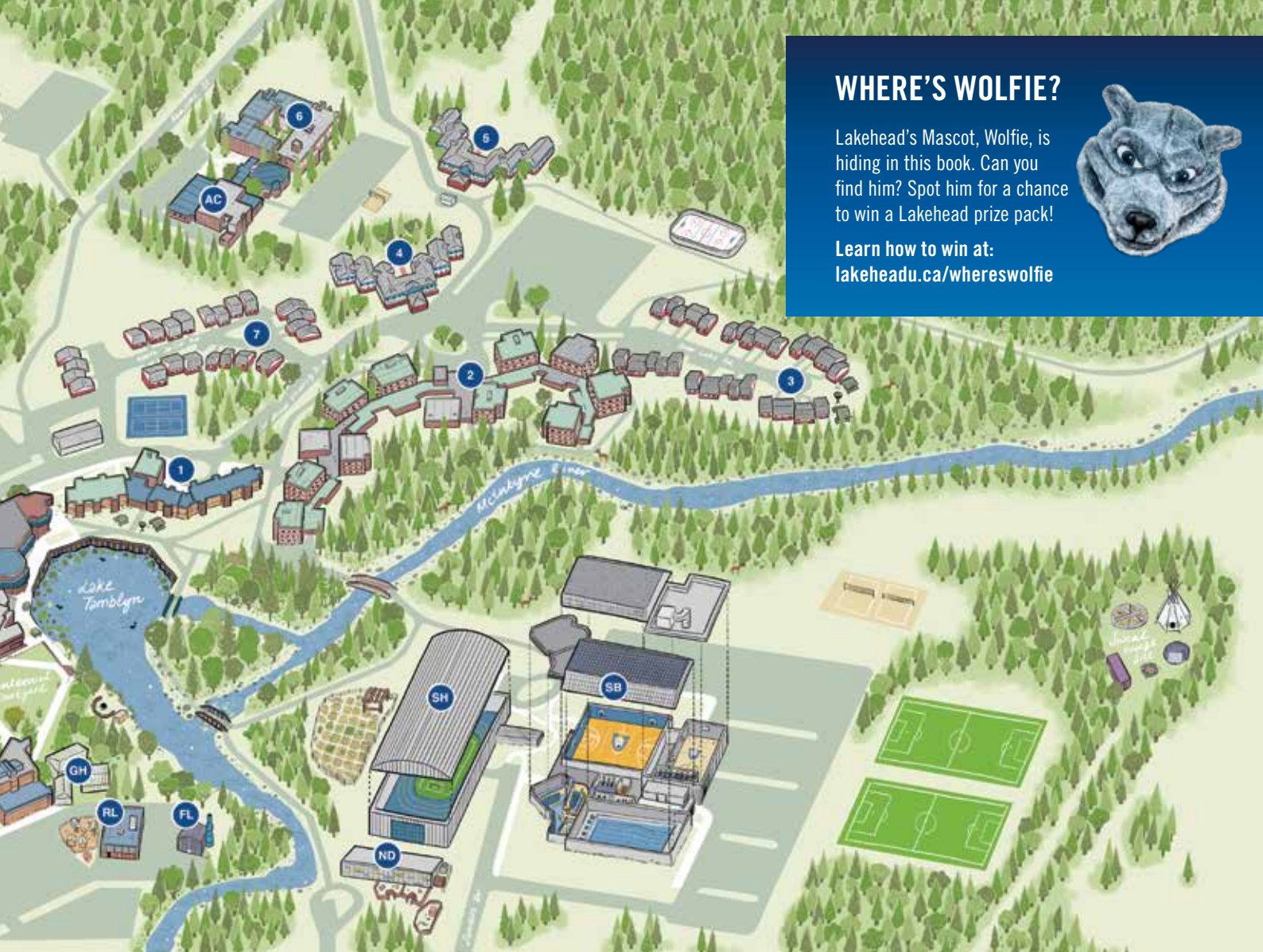
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|---|---|---|--|
| ① Prettie Residence | ④ Student Apartments (North Residence) | ⑦ Townhouse Residences (North Spirit Heights) | ⑩ Alumni House -1294 Balmoral Street |
| ② Bartley Residence | ⑤ Student Apartments (South Residence) | ⑧ Townhouse Residences (Bearskin Lake) | |
| ③ Townhouse Residences (Deer Lake Ridge) | ⑥ Halliday Hall Residence | | |
| ④ Student Apartments (North Residence) | | | |
| ⑤ Student Apartments (South Residence) | | | |
| ⑥ Halliday Hall Residence | | | |
| ⑦ Townhouse Residences (North Spirit Heights) | | | |
| ⑧ Townhouse Residences (Bearskin Lake) | | | |
| ⑨ Avila Centre | | | |
| ① Prettie Residence | ② Balmoral Street Centre | ③ Bora Laskin Building | ④ Bike Shelter |
| ② Balmoral Street Centre | ⑤ William Tamblin Centennial Building | ⑥ CASES - Centre for Advanced Studies in Engineering & Sciences | ⑦ Fire Lab |
| ③ Bora Laskin Building | ⑧ Advanced Technology & Academic Centre | ⑨ Greenhouse | ⑩ The Centre of Education and Research of Positive Youth Development |
| ④ Bike Shelter | ⑪ International Centre | ⑫ Chancellor Paterson Library | ⑬ NOSM University |
| ⑤ William Tamblin Centennial Building | ⑭ Music and Visual Arts Centre | ⑮ Nanabijou Childcare Centre | ⑯ Power House |
| ⑥ CASES - Centre for Advanced Studies in Engineering & Sciences | ⑰ Power House | ⑱ Ryan Building | ⑲ Regional Centre |
| ⑦ Fire Lab | | | ⑳ Lot 5 Research Lab |
| | | | ㉑ Sanders Fieldhouse |
| | | | ㉒ Student Centre |
| | | | ㉓ Sanders Hangar |
| | | | ㉔ School of Nursing |
| | | | ㉕ University Centre (Agora) |

ORILLIA CAMPUS



ORILLIA CAMPUS LEGEND

- ① Orillia Academic Building
- ② Cafeteria/Bookstore
- ③ Residence & Conference Centre



WHERE'S WOLFIE?

Lakehead's Mascot, Wolfie, is hiding in this book. Can you find him? Spot him for a chance to win a Lakehead prize pack!



Learn how to win at:
lakeheadu.ca/whereswolfie

CONTACT US

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lakeheadu.ca/tours

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LakeheadInternational



LakeheadInternational



LakeheadInternational

CONTACT THE REPRESENTATIVE FOR YOUR REGION

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Toronto, Canada

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PROGRAMS



UNDERGRADUATE PROGRAMS

BUSINESS ADMINISTRATION	30
HONOURS BACHELOR OF COMMERCE (4 YR)	
Accounting ♦	T
Business Administration ♦	O
Business Analytics and Information Systems ♦	T
Business Economics	T
Finance ♦	T
General Management	T
Human Resources Management/Industrial Relations ♦	T
International Business	T
Marketing ♦	T
International Dual Degree Programs: Lakehead University with Rennes School of Business (France), Pforzheim University (Germany), and Northumbria University Newcastle (United Kingdom).	T O
BACHELOR OF ADMINISTRATION (3 YR)	
Administration	T
Management	O
ENGINEERING	32
Chemical Engineering ♦♦	T
Civil Engineering ♦♦	T
Electrical Engineering ♦	T ♦ B
Mechanical Engineering ♦♦	T
Mechatronics Engineering ♦	T B
Software Engineering ♦	T ♦ B
♦These programs offer the optional joint BEng♦+MBA	

SCIENCE & ENVIRONMENTAL STUDIES	34
Anthropology	T O
Applied Life Sciences	T O
Bioinformatics	T
Biology	T
Chemistry	T
Computer Science	T ♦ B
Earth Science	T
Economics	T
Environmental Science ♦	T
Environmental Studies ♦	T
Environmental Sustainability ♦	O
General Science / Science One	T O
Geoarchaeology	T
Geography	T O
Geology	T
Mathematics	T
Mathematical Physics	T
Natural Science	T
Physics ♦	T
Resource & Environmental Economics	T
Water Science	T
EDUCATION	38
Concurrent Education (4-year HBA / HBSc + 2-year BEd)	T O
Consecutive Education (2-year BEd after Honours or Bachelor degree)	T O

HEALTH & BEHAVIOURAL SCIENCES	41
Kinesiology ♦	T
Nursing	T
Psychology	T O
Social Work	T O
NATURAL RESOURCES MANAGEMENT	40
Environmental Management ♦	T
Forestry ♦♦	T
♦This program offers the optional joint HBScF♦+MBA	
SOCIAL SCIENCES & HUMANITIES	36
Criminology	O
English	T O
Gender & Women's Studies	T
General Arts / Arts One	T O
History	T O
Indigenous Learning	T
Interdisciplinary Studies	O
Languages	T
Media, Film & Communications	O
Music	T
Outdoor Recreation, Parks & Tourism	T
Philosophy	T
Political Science (Pre-Law option available)	T O
Sociology	T
Visual Arts	T

MASTER'S PROGRAMS

BUSINESS	30
Business Administration (MBA)*	T
Business Management (MScMgt)	T
Business Skills Development Program (GMAT Equivalent for Admission)	T
ENGINEERING	32
Chemical Engineering *	T
Civil Engineering **	T
Electrical and Computer Engineering **	T B
Environmental Engineering **	T
Mechanical Engineering **	T
Mechanical & Mechatronics Engineering ♦*	B
EDUCATION	38
Master of Education*	T
HEALTH & BEHAVIOURAL SCIENCES	41
Health Sciences	T
Kinesiology (16 months)*	T
Nursing*	T
Psychology: Clinical or Psychological Science	T
Public Health*	T
Social Work	T O

NATURAL RESOURCES MANAGEMENT	40
Natural Resources Management*	T
Science in Forestry	T
SCIENCE & ENVIRONMENTAL STUDIES	34
Archaeological Science	T
Biology	T O
Chemistry	T
Computer Science♦*	T B
Economics♦*	T
Environmental Studies	T
Geology	T
Mathematical Sciences*	T
Physics ♦	T
SOCIAL SCIENCES & HUMANITIES	36
English & Cultural Studies*	T O
History*	T
Social Justice*	T O
Sociology*	T

DOCTORAL PROGRAMS

ENGINEERING	32
Doctor of Philosophy in Engineering (Chemical)	T
Doctor of Philosophy in Engineering (Civil)	T
Doctor of Philosophy in Engineering (Electrical & Computer)	T B
Doctor of Philosophy in Engineering (Mechanical)	T
Doctor of Philosophy in Engineering (Mechanical & Mechatronics)	B
HEALTH & BEHAVIOURAL SCIENCES	41
Doctor of Philosophy in Clinical Psychology	T
Doctor of Philosophy in Health Sciences	T
Doctor of Philosophy in Psychological Science	T
EDUCATION	38
Doctor of Philosophy in Educational Studies	T O
NATURAL RESOURCES MANAGEMENT	40
Doctor of Philosophy in Natural Resources Management	T
SCIENCE & ENVIRONMENTAL STUDIES	34
Doctor of Philosophy in Chemistry and Materials Science	T
Doctor of Philosophy in Biotechnology	T



T Thunder Bay Campus O Orillia Campus B Barrie STEM Hub

♦ Co-operative Education offered

*These Master's programs offer a course-based option.

Discover Lakehead
VIRTUAL SESSIONS EVERY TUESDAY
SEPTEMBER - FEBRUARY

