

**EXCEPTIONAL. UNCONVENTIONAL.**

# FAR FROM ORDINARY



**Lakehead**  
UNIVERSITY

**2022 VIEWBOOK**



## Lakehead University is no ordinary place.

From the moment you step foot onto either of our campuses in Thunder Bay or Orillia, you will experience a personal education where you matter and can play a bigger role.

Our highly acclaimed, world-renowned faculty and researchers will know you by name and truly care about your academic growth and success.

Our rigorous academic programs will allow you to thrive in a way that challenges and teaches you how to think, not what to think.

Lakehead offers you learning opportunities that expand beyond the classroom and into our local communities, labs, the workplace, and to locations all over the world. Experience hands-on learning to develop knowledge and skills for your university years and beyond graduation.

**97.7%**  
**EMPLOYED**  
within 2 years of  
**GRADUATION**

above the Ontario average of 95.6%

**27**  
**RESEARCH CENTRES,**  
INSTITUTES & CENTRALIZED  
ANALYTICAL FACILITIES

# OPEN YOUR WORLD

**SMALL  
CLASS  
SIZES**

**90%**  
OF CLASSES  
with less than  
**60 STUDENTS**

**65+ PROGRAMS**

**GUARANTEED  
RESIDENCE**

**FOR  
HIGH SCHOOL  
STUDENTS**



Your university years will define the  
**REST OF YOUR LIFE.**

Don't let them  
be typical.

**TOP 2**  
**UNDERGRADUATE**  
**RESEARCH UNIVERSITIES**

in Canada (RESEARCH Infosource 2016-2020)

**\$11** MILLION IN  
**SCHOLARSHIPS**  
**& BURSARIES**

**8,500+** STUDENTS  
**66,815** ALUMNI

ONE OF  
**CANADA'S**  
**TOP 10**  
**UNIVERSITIES**

(Primarily Undergraduate, Maclean's Magazine, 2021)



# 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.



**Welcome to Lakehead University, where students are empowered to seek the one-of-a-kind education that supports their unique academic journeys and dreams.**

Home to some of the brightest academic minds and innovative research opportunities, Lakehead University and its faculty members connect with you early and prioritize your needs — teaching you how to think, not what to think. We extend learning opportunities outside our classrooms, in our local communities, in our world-renowned labs, in the workplace, and to locations around the world.

At Lakehead University, we honour the diversity of our students and encourage the celebration of many cultures and nations.

Preparing for your future at Lakehead University is anything but ordinary. In fact, our family of over 66,000 alumni would say that their education at Lakehead prepared them for exceptional opportunities across the globe thanks to Lakehead's small class sizes and nationally recognized commitment to undergraduate research opportunities.

Open your world to the endless possibilities of an exceptional and unconventional education.

Welcome to Lakehead,

**Dr. Moira McPherson**  
President & Vice Chancellor  
Lakehead University





# A TRANSFORMATIVE UNIVERSITY



University can be  
about getting a  
**world-class** education  
while having the  
**experience of a lifetime.**



## Explore Lakehead

### ABOUT LAKEHEAD

President's Message	4
Thunder Bay Campus & Hometown	6
Orillia Campus & Hometown	8
Flexible & Customizable Program Options	10
Learn Beyond the Classroom (Co-Op)	19

### DEGREE PROGRAMS

<b>Program Listing and Admission Requirements</b>	12
<b>Business Administration &amp; Commerce</b>	22
<b>Teacher Education</b>	24
Concurrent Education, Consecutive Education	25
Elementary Indigenous Education	25
Intermediate/Senior Indigenous Education	25
Indigenous Languages Teacher Diploma	25
<b>Engineering</b>	26
Chemical, Civil, Software	27
Electrical, Mechanical	28
<b>Health &amp; Behavioural Sciences</b>	29
Psychology, Kinesiology, Social Work	30
Nursing, Indigenous Nursing Entry Program	31
<b>Natural Resources Management</b>	32
Environmental Management, Forestry	33
<b>Science &amp; Environmental Studies</b>	34
Lakehead Science One, Anthropology, Applied Life Sciences	35
Bioinformatics, Biology, Chemistry	36
Computer Science, Economics, Environmental Studies/Science	37
Environmental Sustainability, General Science	38
Geoarchaeology, Geography and the Environment	39
Geology, Indigenous STEM Access Program, Mathematics	40
Physics, Water Resource Science	41
<b>Social Sciences &amp; Humanities</b>	42
Lakehead Arts One	42
English, Criminology, General Arts	43
History, Indigenous Learning, Interdisciplinary Studies	44
Languages; Media, Film and Communications; Music	45
Indigenous Transition Year Program, Philosophy,	
Political Science/Pre-Law	46
Outdoor Recreation, Parks & Tourism	46
Sociology, Visual Arts, Gender and Women's Studies	47
<b>Law</b>	48
<b>Medicine</b>	48
<b>Lakehead Georgian Degree + Diploma</b>	49
<b>APPLYING TO LAKEHEAD, SCHOLARSHIPS &amp; TUITION</b>	
Applying to Lakehead – How To	16
Financing Your Education	20
Costs	21
Important Dates	63
<b>STUDENT LIFE</b>	
<b>Student Services</b>	50
<b>Residence</b>	54
<b>Athletics</b>	56
Staying Active	56
<b>Get Involved</b>	58
<b>Campus Maps &amp; Tours</b>	60
<b>Upcoming Events &amp; Important Dates</b>	62

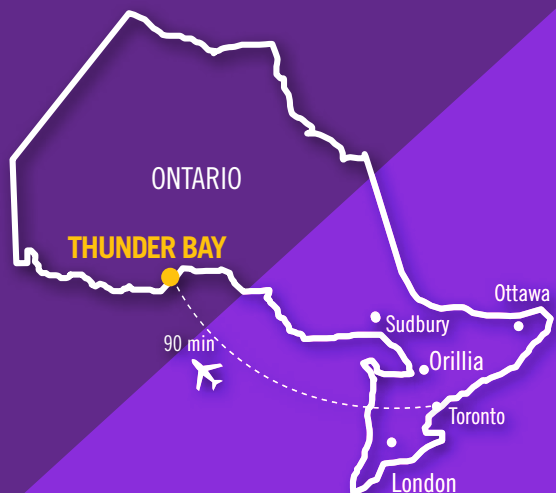


# LAKEHEAD THUNDER BAY CAMPUS

Situated in the **heart** of the City of **Thunder Bay**, the **campus** is **anything but typical**.

Surrounded by green space and clear blue waters with buildings conveniently situated together on over 100 hectares of land, Lakehead provides a true campus feel.

Underground tunnels connect many of the main, centralized buildings on campus, allowing for easy access between classes, labs and facilities. Paved trails weave through campus, making it the perfect place to take in the beauty of the campus as you unwind by hiking, jogging, skateboarding, bike riding, or cross-country skiing.



## GETTING TO KNOW OUR CAMPUS

- 1 Experience hands-on research in our modern labs as early as first year
- 2 Immersive and technology-enabled classrooms
- 3 Athletic, recreation and wellness facilities
- 4 3 libraries, Learning Commons, study rooms and Makerspace
- 5 State of the art research and innovation labs
- 6 Cozy student lounges and study spaces
- 7 Friendly and helpful student services and supports
- 8 Canada's largest university restaurant/pub

...and so much more.



Take a **LIVE TOUR** of our Thunder Bay campus!





# HOMETOWN: CITY OF THUNDER BAY

Situated in the heart of Canada on the north shore of Lake Superior, Thunder Bay is the largest urban centre between Winnipeg and Toronto. Experience the best of Canada with a dynamic city life along with the most breathtaking natural backdrop. You will find it difficult to imagine a more beautiful and natural place to live and learn.

Thunder Bay offers an unbeatable quality of life with some of the shortest commute times - you can get anywhere within 15 minutes. From live theatre, festivals and concerts to shopping, great nightlife and a vibrant arts and culture scene, there is something for everyone. Outdoor enthusiasts, get ready! Thunder Bay has unlimited outdoor activities to enjoy in all four seasons.

Near campus, Thunder Bay has hospitals and clinics, daycares and schools, churches and places of worship, malls, supermarkets and stores, as well as community groups and supports.

[www.thunderbay.ca](http://www.thunderbay.ca)

## Campus Facts

7,000  
STUDENTS

STUDENT TO FACULTY  
15:1 RATIO

LAKE+ RIVER  
RUNNING THROUGH CAMPUS

65+  
PROGRAMS

100+  
HECTARES  
OF CAMPUS SPACE

HOME OF THE SLEEPING GIANT

ONE OF CANADA'S 7 WONDERS

## Hometown Facts

111,000  
POPULATION

7 SHOPPING  
DISTRICTS

20+ ANNUAL  
CITY FESTIVALS

3 MAJOR AIRLINES  
THUNDER BAY AIRPORT  
AIR CANADA, WEST JET & PORTER

180+ RESTAURANTS  
FEATURING FOODS FROM  
AROUND THE WORLD

305 DAYS OF  
SUNSHINE  
PER YEAR





# LAKEHEAD ORILLIA CAMPUS

Less than a  
**90-minute**  
**DRIVE**  
from  
**Toronto**

As part of a **young**  
and **growing** campus, you will  
play an **important role** in shaping **student life**.

Less than a 90-minute drive from Toronto, you will benefit from the full Lakehead experience at the Orillia Campus, located within the heart of Ontario's Lake Country. **With a welcoming atmosphere, innovative programs and a small, friendly community, it is one of the greatest places to learn in the country.**

Walking through Simcoe Hall or the Heritage site, you will know your classmates and become part of something truly different. You will be able to make yourself at home in a state-of-the-art campus.

ONTARIO



## GETTING TO KNOW OUR CAMPUS

- 1 Open, airy Orsi Family Learning Commons and Harvie Legacy Library
- 2 State-of-the-art classrooms, computer labs and study spaces
- 3 Sophisticated laboratories
- 4 Guaranteed modern residence accommodations
- 5 Dining hall with meal plan and everyday dining options
- 6 Friendly and helpful student services and supports

...and so much more.



Take a **LIVE TOUR** of our  
Orillia campus!





# HOMETOWN: ORILLIA

Nestled on the shores of Lake Couchiching and Lake Simcoe, the City of Orillia is a vibrant city with over 31,000 people. Orillia has all the amenities of a large urban centre, with small-town charm that offers year-round opportunities for arts, culture, recreation, and music.

Surrounded by beautiful open spaces, you can easily clear your mind from studying by hopping on your bike, taking a walk, or going for a run on one of the many trails in and around the City. Once in the downtown area, you will find yourself wandering through the Farmers' Market and specialty shops, stopping in at a local bakery, or simply relaxing in one of the waterfront parks.

Several cafés, restaurants, movie theatres and locally-owned treasures make for excellent social spots to get together with friends after class. The neighbourhood surrounding campus is a growth area, with new housing developments, convenient shopping, and new coffee shops and restaurants steadily emerging.

[www.orillia.ca](http://www.orillia.ca)



Orillia Waterfront

## Campus Facts

1,500  
STUDENTS

STUDENT TO FACULTY  
13:1 RATIO



ENVIRONMENTALLY  
DESIGNED AND CERTIFIED CAMPUS (LEED)

229 SINGLE ROOM  
RESIDENCE COMPLEX

2 CAMPUS LOCATIONS  
UNIVERSITY AVENUE  
AND HERITAGE PLACE

## Hometown Facts

31,000  
POPULATION

101+  
RESTAURANTS

200+ km  
WALKING & BIKING  
TRAILS

20-MINUTE  
DRIVE FROM  
BARRIE

GATEWAY TO  
COTTAGE  
COUNTRY







# FLEXIBLE & CUSTOMIZABLE PROGRAM OPTIONS

Lakehead University is a fully comprehensive university with over 65 programs to choose from. Whether you are interested in the arts, sciences or professional programs such as Business, Engineering, Forestry or Nursing, we have it all.

## UNIVERSITY LINGO EXPLAINED

You may be familiar with some university lingo by now, but if you are still wondering, here are some common terms used that will be helpful as you explore program options.

### What is a(n)...?

**Undergraduate Degree** - It is the first university credential you will be awarded upon graduation.

**Honours** - A 4-year undergraduate degree with specialized and/or intensive courses at the 4th year level. Completion of a thesis or research-focused courses is normally a requirement of an Honours program.

**Bachelors** - A 3- or 4-year undergraduate degree that consists of a minimum of 15 or 20 full course equivalents, respectively.

**Major** - A program involving one primary focus of study (e.g. English or Biology).

**Double Major** - A program involving two focuses of study (e.g. History & Political Science).

**Concentration** - A defined collection of courses that is embedded into, and complements, an Honours or Bachelor's 4-year Program.

**Double Degree** - Two undergraduate degrees from two different degree types that are completed at the same time and meet all the requirements for both degrees (e.g. Outdoor Recreation & Geography).

**Credit** - The measurement unit for a course that indicates its relative weight within a program.

If you have multiple interests and want to keep options open, you can consider a:

**Minor** - An optional collection of courses from a particular area of study that is different from your program and/or major.

**Specialization** - A defined collection of courses taken from a particular or variety of disciplines that complements the major.

**Certificate** - A professional or an applied focus that provides learning outcomes that are distinct from your program. Explore certificates in Geomatics, Business Information Technology, Public History, Environmental Sustainability, and more, including:

#### ► Entrepreneurship Certificate

This program is open to non-business students enrolled in any degree program at Lakehead, and features a series of courses designed to improve the competence of individuals in setting up and running their own business.

#### ► French Proficiency Certificate

The Department of Languages offers a Certificate in French Proficiency at three levels: Basic, Intermediate, and Advanced for students wishing to learn or be recognized for their French proficiency who are not taking a French Major or Minor.





## Navigating Your Options

Lakehead offers full-time and part-time studies leading to degrees, diplomas and certificates. Whether you decide to study on campus, online or a combination of both, you will be surrounded by supportive and engaging faculty that will ensure you are well prepared to make an impact on the world.

Depending on your program of study, you may be able to pursue majors, double majors, minors, concentrations and more allowing you to further enhance your degree and customize it based on your interests and future career path.

### POLITICAL SCIENCE

#### Major

You can graduate after 4 years and upon successful completion of the program requirements. For example, if you choose to study Political Science, you will graduate after 4 years with a degree with a major in Political Science.

### BIOLOGY

### CHEMISTRY

#### Double Major

This is a three or four-year program involving two closely related disciplines. You will take enough courses to fulfill requirements to receive both Majors listed on your degree upon graduation.

### SOCIAL WORK

### GENDER AND WOMEN'S STUDIES

#### Concentration

While you take courses within a main area of study (your major) you will also take a pre-defined selection of courses that complement your major. For example, you can earn a concentration in Gender and Women's Studies while you complete your Social Work degree.

### GEOMATICS

#### Certificate

A professional or applied focus that provides learning outcomes that are distinct from your program. A complete list of Certificate Programs can be found within Lakehead University's Academic Calendar.

### CRIMINOLOGY

### PSYCH

#### Major/Minor

While your main area of study is your major, you may choose to focus on another area of interest. A minor is an optional collection of courses from an area of study that differs from your major or program. For example, you may major in Criminology, but take enough elective courses in Psychology to declare a minor.

### OUTDOOR RECREATION

### GENDER AND WOMEN'S STUDIES

#### Double Degree

You will graduate and receive two undergraduate degrees from two different areas of study. Courses are completed at the same time, and in conjunction, and you will meet requirements for both degree programs. For example, while studying Outdoor Recreation, you can take the required courses to graduate with both an Outdoor Recreation and Gender and Women's Studies Degree.

### ENGLISH

### FRENCH

### EDUCATION

#### Concurrent Education

While you take courses in your Major and Minor areas of study, you will also be taking Teacher Education courses and completing student teaching placements at the same time. Additionally, you will have two "professional years" after you complete your Undergraduate degree that focus specifically on Teacher Education and feature over 100 days of Student Teaching.



# FIND YOUR PROGRAM & ADMISSION REQUIREMENTS

	Programs	Prerequisite Requirements	Co-op	Concurrent Education	Campus	OUAC Program Code
<b>BUSINESS</b>	Commerce (Majors: Accounting, Business Economics, Finance, General Management, Human Resources/Industrial Relations, Business Analytics and Information Systems, International Business, Marketing)	English, 1 from: Advanced Functions, Calculus & Vectors, or Data Management. Applicants without Grade 12 U Math may be considered for admission but will be required to take a prescribed course as a first-year elective.	•		<b>T</b>	AE
	Commerce (Business Administration, Global Entrepreneurship)		•		<b>O</b>	
<b>EDUCATION</b>	Concurrent Education - Primary/Junior	Refer to the Specific Major Requirements		•	<b>T O</b>	AK
	Concurrent Education - Intermediate/Senior			•	<b>T</b>	AL
	Indigenous Teacher Education - Intermediate/Senior	English			<b>T</b>	AL
	Consecutive Education - Primary/Junior	Minimum 70% average on final 10 undergraduate degree-level FCEs.			<b>T O</b>	A10/A12
	Consecutive Education - Intermediate/Senior	Minimum 70% average on final 10 undergraduate degree-level FCEs. Two teaching subjects: 5 FCEs in first, and 3 FCEs in second.			<b>T O</b>	A30/A32
<b>ENGINEERING</b> <small>*Joint Engineering and MBA option available</small>	Chemical*	English, Advanced Functions with a minimum grade of 60%, Chemistry, Physics. Calculus & Vectors is strongly recommended. An additional Math, Science or Technological Education course is also recommended.	•		<b>T</b>	AM
	Civil*		•		<b>T</b>	
	Electrical*		•		<b>T</b>	
	Electrical (Georgian Partnership Program)		•		<b>LG</b>	
	Mechanical*	Students who complete Ontario Grade 12 U Calculus & Vectors, with a minimum mark of 60%, will be exempted from MATH 1071 - Vectors and Matrices.	•		<b>T</b>	
	Software*		•		<b>T</b>	
	Common Year in Applied Science	Grade 11 U or M Math, Grade 11 U or 12 C Chemistry, Grade 11 U or 12 C English, Grade 11 U or 12 C Physics			<b>T</b>	
<b>HEALTH &amp; BEHAVIOURAL SCIENCES</b>	Kinesiology	English, 1 from: Advanced Functions, Calculus & Vectors, or Data Management; 2 from Biology, Chemistry, Kinesiology, or Physics. The 5-year accelerated Kinesiology with Concurrent Education program requires a final average of at least 75%.	•	•	<b>T</b>	AAA
	Indigenous Nursing Entry Program (see page 15)				<b>T</b>	
	Nursing (3-year Compressed)	English, Biology, Chemistry, 1 from: Advanced Functions, Calculus & Vectors, or Data Management. An overall average of 80% and a minimum grade of 60% in each prerequisite is required.			<b>T</b>	AAH
	Nursing (Collaborative with Confederation College)	English, Biology, Chemistry, 1 from: Advanced Functions, Calculus & Vectors, or Data Management. A minimum grade of 60% in each prerequisite is required.			<b>T</b>	
	Psychology (Arts)	English			<b>T</b>	AAM
	Psychology (Arts – Specialized Honours)				<b>T</b>	
	Psychology (Specialized Honours with Concentration in Gender and Women's Studies)				<b>T</b>	
	Psychology & Philosophy (Double Major)				<b>T</b>	
	Psychology & Gender and Women's Studies (Double Major)				<b>T</b>	
	Psychology (Science)	English, Advanced Functions, 2 from: Biology, Calculus & Vectors, Chemistry, Data Management, or Physics			<b>T</b>	
	Psychology (Science – Specialized Honours)				<b>T</b>	
	Social Work	English			<b>T O</b>	AAO
	Social Work with Concentration in Indigenous Learning				<b>T</b>	
	Social Work with Concentration in Gender and Women's Studies				<b>T</b>	
<b>NATURAL RESOURCES MANAGEMENT</b>	Environmental Management	English, 3 from: Advanced Functions, Biology, Calculus & Vectors, Chemistry, Computer Science, Data Management, Geography*, or Physics. *Only 1 Geography credit may be used.	•		<b>T</b>	AO
	Forestry		•		<b>T</b>	AQ


















































Lakehead University may be a smaller university, but we offer you big opportunities and a comprehensive array of program options. View the chart below to review the admission requirements for the programs that interest you.





















































For quick reference, you will also see which programs have Co-operative Education and/or a Concurrent Education option, and at which campus the program is offered. The Ontario Universities' Application Centre (OUAC) Program Code for applying is also included.

Unless otherwise noted, all Lakehead University programs require an **Ontario Secondary School Diploma; a minimum of 6 Grade 12 U or M courses, including program-specific prerequisite courses; and a minimum overall 70% average based on the best 6 Grade 12 U or M courses.** All prerequisite courses listed below refer to the Grade 12 U or M course, unless otherwise noted.

**For high school prerequisite requirements by Canadian province, visit [admissions.lakeheadu.ca](https://admissions.lakeheadu.ca)**

	Programs	Prerequisite Requirements	Co-op	Concurrent Education	Campus	OUAC Program Code
SOCIAL SCIENCES & HUMANITIES	Criminology	English				AH
	English			•	 	
	English & French (Double Major)	English, French		•		
	English & Gender and Women's Studies (Double Major)					AN
	English & History (Double Major)	English		•		
	English & Philosophy (Double Major)					
	French			•		
	French & History (Double Major)	English, French		•		AR
	French & Philosophy (Double Major)					
	Gender and Women's Studies			•		AAS
	General Arts				 	AS
	History			•	 	
	History & Gender and Women's Studies (Double Major)					
	History & Philosophy (Double Major)	English				AX
	History & Political Science (Double Major)					
	History & Sociology (Double Major)					
	Indigenous Learning			•		
	Indigenous Learning & Gender and Women's Studies (Double Major)					AY
	Indigenous Learning & Philosophy (Double Major)					
	Indigenous Transition Year Program (see page 15)					
	Interdisciplinary Studies			•		
	Interdisciplinary Studies with Concentration in Environment in Politics and Culture			•		
	Interdisciplinary Studies with Concentration in Human Nature	English		•		AZ
	Interdisciplinary Studies with Concentration in International Conflict and Human Rights			•		
	Interdisciplinary Studies with Concentration in Social Justice			•		
	Lakehead Arts One			•		AB
	Media, Film and Communications	English. A portfolio is required for admission consideration.				AAC
	Music	English. An audition and theory entrance test are required for admission consideration.		•		AAD
	Outdoor Recreation, Parks & Tourism			•		
	Outdoor Recreation with Concentration in Nature-Based Therapeutic Recreation					
	Outdoor Recreation & (BA) Gender and Women's Studies (Double Degree)	English				AAI
	Outdoor Recreation & (BA) Geography (Double Degree)			•		
	Outdoor Recreation & (BA) History (Double Degree)					
	Outdoor Recreation & (BSc) Natural Science (Double Degree)	English, 2 from: Advanced Functions, Biology, Calculus & Vectors, Chemistry, Data Management, Earth & Space Science, or Physics				
	Philosophy			•		AAJ
	Philosophy & Political Science (Double Major)					
	Political Science (Pre-Law available at  )				 	AAL
	Political Science & Gender and Women's Studies (Double Major)	English				
	Sociology			•	 	AAP
	Sociology & Gender and Women's Studies (Double Major)					
	Visual Arts			•		AAQ



	Programs	Prerequisite Requirements	Co-op	Concurrent Education	Campus	OUAC Program Code
<b>SCIENCE &amp; ENVIRONMENTAL STUDIES</b>	Anthropology (Arts)	English		•	 	ANT
	Anthropology (Arts & Science)			•		
	Anthropology (Science)	English, Advanced Functions, 2 from: Biology, Calculus & Vectors, Chemistry, Data Management, Earth & Space Science, or Physics		•	 	AA
	Applied Life Sciences	English, Advanced Functions, 2 from: Biology, Calculus & Vectors, Chemistry, Data Management, Earth & Space Science, or Physics			 	
	Applied Life Sciences (Georgian Partnership Program)	English, Advanced Functions, Biology, Chemistry. A minimum 75% overall final average is required.				AA
	Applied Life Sciences with Concentration in Biomedical Sciences	English, Advanced Functions, 2 from: Biology, Calculus & Vectors, Chemistry, Data Management, Earth & Space Science, or Physics				
	Bioinformatics	English, Advanced Functions, Biology, Chemistry				AC
	Biology (Environmental Science)	English, Advanced Functions		•		AD
	Biology	English, Advanced Functions, 2 from: Biology, Calculus & Vectors, Chemistry, Data Management, Earth & Space Science, or Physics		•		
	Biology with Concentration in Animal Sciences					
	Biology with Concentration in Biodiversity and Conservation					
	Biology with Concentration in Neuroscience					
	Biology with Concentration in Plant Sciences					
	Biology & Chemistry (Double Major)	English, Advanced Functions, Chemistry, 1 from: Biology, Calculus & Vectors, Data Management, or Physics		•		AF
	Chemistry	English, Advanced Functions, Chemistry, 1 from: Biology, Calculus & Vectors, Data Management, or Physics		•		
	Chemistry with Concentration in Medical Sciences					AG
	Computer Science	English, Advanced Functions, 1 from: Calculus & Vectors, Computer Science, or Data Management	•			
	Computer Science (Georgian Partnership Program)		•			AI
	Earth Science (Environmental Science)	English, 1 from: Advanced Functions, Calculus & Vectors, or Data Management				
	Earth Science (Science)	English, 2 from: Advanced Functions, Biology, Calculus & Vectors, Chemistry, Data Management, Earth & Space Science, or Physics	•			AJ
	Economics	English, 1 from: Advanced Functions, Calculus & Vectors, or Data Management				
	Economics & Political Science (Double Major)					AJ
	Environmental Sustainability	English	•	•		AP
	Environmental Sustainability with Specialization in Ecosystem Management (Georgian Partnership Program)	English, 1 from: Advanced Functions, Calculus & Vectors, or Data Management. An overall average of 75% is required.				AP
	General Science	English, 2 from: Advanced Functions, Biology, Calculus & Vectors, Chemistry, Data Management, Earth & Space Science, or Physics			 	AS
	Geoarchaeology					AT
	Geography (Arts)	English		•		AU
	Geography (Arts & Science)			•		
	Geography (Environmental Science)	English, Advanced Functions		•		
	Geography (Environmental Studies)	English		•		
	Geography (Science)	English, Advanced Functions, 2 from: Biology, Calculus & Vectors, Chemistry, Data Management, Earth & Space Science, or Physics		•		
	Geology	English, 1 from: Advanced Functions, Calculus & Vectors, or Data Management		•		AV
	Indigenous STEM Access Program (see page 15)					
	Lakehead Science One	English, Advanced Functions, 1 from: Biology, Calculus & Vectors, Chemistry, Computer Science, Data Management, Earth & Space Science, or Physics		•	 	AAN
	Mathematical Physics	English, Advanced Functions, 2 from: Biology, Calculus & Vectors, Chemistry, Data Management, Earth & Space Science, or Physics				AAK
	Mathematics (Arts)	English, Advanced Functions, 1 from: Calculus & Vectors, or Data Management		•		AAB
	Mathematics & Economics (Arts) (Double Major)					
	Mathematics (Science)	English, Advanced Functions, 1 from: Calculus & Vectors, or Data Management; 1 from: Biology, Calculus & Vectors, Chemistry, Data Management, or Physics		•		
	Mathematics & Physics (Science) (Double Major)					AAG
	Natural Sciences	English, 2 from: Advanced Functions, Biology, Calculus & Vectors, Chemistry, Data Management, Earth & Space Science, or Physics		•		
	Physics	English, Advanced Functions, 2 from: Biology, Calculus & Vectors, Chemistry, Data Management, Earth & Space Science, or Physics	•	•		AAK
	Physics with Concentration in Biomedical Physics					
	Resource & Environmental Economics	English, 2 from: Advanced Functions, Calculus & Vectors, Data Management; 1 from: Biology, Chemistry, Earth & Space Science, or Physics				AJ
	Water Resource Science	English, 3 from: Advanced Functions, Biology, Calculus & Vectors, Chemistry, Data Management, Earth & Space Science, or Physics				AAR
	Water Resource Science Specialization in Applied Environmental Water Management					AAR
<b>LAW</b>	Juris Doctor (see page 48)					
<b>MEDICINE</b>	Doctor of Medicine (see page 48)					



## ENGLISH LANGUAGE PROFICIENCY

If your first language is not English, and you cannot verify having recently studied in an English language school system for a certain length of time, you will be required to present proof of English language proficiency. Lakehead University accepts the following recognized tests as proof of English language proficiency. Alternatively, you can choose to complete Lakehead University's Academic English Program prior to your undergraduate studies

(some exceptions apply).

### Accepted English Language Proficiency Tests and Scores:

Test:	Minimum Required Scores:
CAEL	Minimum Score: 60
Cambridge (C1 Advanced or C2 Proficiency)	Minimum English Score: 176 (no component score less than 169)
DuoLingo English Test	Minimum Score: 110 (120 for Bachelor of Science in Nursing and the Two-Year Bachelor of Education)
IELTS	Minimum Score: 6.5 (no individual score less than 6.0)
PTE Academic	Minimum Score: 58 (no component score less than 50)
TOEFL (internet based iBT)	Minimum Score: 80 (no component score less than 19)

Please be advised that some academic units may require a higher score and that meeting the minimum requirements does not guarantee admission to Lakehead University.

## INDIGENOUS ACCESS PROGRAMS

These programs are designed for applicants who identify as Indigenous (First Nations, Metis or Inuit) and who do not meet the prerequisites for university entry.

### Indigenous Transition Year Program (ITYP)

You may apply as a recent high school graduate or as a mature student who has not completed high school.

### Indigenous Nursing Entry Program (INEP)

You may apply as a recent high school graduate, mature student or college transfer student. As a prerequisite, applicants must have passed Grade 11 U or 12 C Chemistry within the last five years.

### Indigenous STEM Access Program (ISTEM)

You may apply as a recent high school graduate or as a mature student who has not completed high school.

## ACADEMIC ENGLISH PROGRAM (AEP)

If you do not meet the English Language Proficiency scores, you will be automatically considered for admission through Lakehead University's Academic English Program (AEP). You will need to successfully complete AEP before proceeding into an academic program.

# FURTHER YOUR EDUCATION

After completion of one of our undergraduate programs, Lakehead offers a number of graduate programs at both the Masters and PhD levels.

Business	Master of Business Administration (MBA)
	Master of Science Management (MSc.Mgt)
Education	Master of Education in Educational Studies (MEd) or Master of Education in Educational Change (MEEd)
	Joint Doctor of Philosophy in Educational Studies (PhD)
Engineering	Master of Science in Engineering (Chemical, Civil, Electrical and Computer, Environmental, Mechanical) (MSc)
	Doctor of Philosophy in Engineering (Electrical, Computer, Civil) (PhD)
Health & Behavioural Sciences	Master of Health Sciences (MHSc)
	Master of Public Health (MPH)
	Master of Science in Kinesiology (MSc); Master of Science in Psychology - Psychological Science (MSc)
	Master of Arts in Psychology - Clinical Psychology (MA)
	Doctor of Philosophy in Psychology - Clinical (PhD) or Psychological Science (PhD)
	Master of Nursing (pick one of: Nurse Practitioner Specialization or Advance Practice Specialization)
	Master of Social Work (MSW)
Natural Resources Management	Doctor of Philosophy in Health Sciences (PhD)
	Master of Science in Forestry (MScF)
Social Sciences & Humanities	Doctor of Philosophy in Forestry (PhD)
	Master of Arts in: English, History, Social Justice, or Sociology (MA)
Science & Environmental Studies	Master of Science in: Archaeological Sciences, Biology, Chemistry, Computer Science, Geology, Mathematical Science, or Physics (MSc)
	Master of Arts in Economics (MA)
	Master of Environmental Studies (MES)
	Doctor of Philosophy in Biotechnology (PhD) or Doctor of Philosophy in Chemistry and Materials Science (PhD)

Please note, certain programs offer a specialization in Gender & Women's Studies or Gerontology

For more information on our graduate program options, visit [graduatestudies.lakeheadu.ca](https://graduatestudies.lakeheadu.ca)







# APPLYING TO LAKEHEAD

Applying to Lakehead is an easy process and we're here to help.

Our team of Recruiters and Student Central Professionals are here to support you every step of the way, whether it is to answer questions about program requirements, discuss transfer credits from other institutions or being prepared for upcoming deadlines.

## APPLICANT TYPES:

Lakehead University applicants are defined based upon their previous education experience. For each applicant category, admission requirements may vary. It is important that you determine what type of applicant you are to ensure you meet the minimum requirements for admission consideration.

Student Type:	Definition:
HIGH SCHOOL STUDENT	You are currently attending a high school on a full-time basis or have recently graduated (within 2 years), and have not completed any post-secondary studies at another institution. A minimum 70% overall average or equivalent is normally required.
UNIVERSITY TRANSFER STUDENT	You have attended a university and have a minimum overall average of 60% or equivalent in your completed university coursework.
COLLEGE TRANSFER STUDENT	You have attended an accredited community college and have completed a minimum of one year of full-time academic studies since leaving high school with a minimum overall average of 70% or equivalent.
MATURE STUDENT	You are a Canadian citizen or permanent resident who has not been engaged in full-time studies for at least two years. You have never attended a post-secondary institution.
INTERNATIONAL STUDENT	You have last studied at an institution, of any type, outside of Canada.



# APPLICANT CHECKLIST

## 1 FIND YOUR PROGRAM AND CHECK YOUR ADMISSION REQUIREMENTS ☐

With more than 65 programs, Lakehead University offers an exceptional opportunity to pursue your academic goals. Explore our programs starting on page 22. Once you've selected a program, confirm you have the necessary grades and prerequisites. If you are an Ontario high school student, refer to our quick reference chart on page (12-14) or all interested students may visit [lakeheadu.ca/admissions](http://lakeheadu.ca/admissions) to check for your individual program requirements. Be sure you have completed or plan to successfully complete the required admission requirements.

## 2 APPLY ONLINE ☐

If you are a current high school student studying in Ontario, apply using the Undergrad (101) Application online at [ouac.on.ca/ouac-101](http://ouac.on.ca/ouac-101). To apply, you will need a School Number, Student Number and Temporary PIN, which your Guidance Department will provide to you. Your high school transcript will be automatically sent to us.

For all other applicant types, apply using the Undergrad (105) Application online at [ouac.on.ca/ouac-105](http://ouac.on.ca/ouac-105). You will need to send your transcripts to Lakehead University, Enrolment Services – Undergraduate Admissions in order for your application to be considered.

## 3 RECEIVE AN ACKNOWLEDGEMENT EMAIL AND ACCESS YOUR MYINFO ACCOUNT ☐

Once you apply, you will receive an important email from Enrolment Services - Undergraduate Admissions with information about setting up your **myInfo** Account, which is your exclusive portal for all important information and communications from Lakehead during the admissions process.

## 4 CONTINUE TO REVIEW THE STATUS OF YOUR APPLICATION ☐

Please continue to check **your Lakehead email** for updates on criteria and important application due dates. Through **myInfo** you may easily check the status of your application, as well as check to see what documents are required for you to submit. For more info visit: [lakeheadu.ca/admissions](http://lakeheadu.ca/admissions)

Note: If you are an international student, please visit [lakeheadu.ca/international](http://lakeheadu.ca/international)

The Senate of Lakehead University reserves the right to change regulations, programs, and admission requirements, as outlined in this Viewbook, without prior notice.

## 5 APPLY FOR SCHOLARSHIPS AND BURSARIES ☐

Lakehead University offers over \$11 million in scholarships, bursaries & awards.

Our database, **myAwards**, allows you to determine the scholarships, bursaries and awards you are eligible for as a Lakehead University undergraduate student. You can complete your profile and start applying beginning **August 15**. Please continue to check for updates on criteria and important application due dates.

## 6 APPLY FOR RESIDENCE ☐

Admission to Residence is guaranteed to all high school students **provided they are admitted to Lakehead University by June 1, 2022**.

Residence is an amazing life experience where you will enjoy convenience and safety within a fun and friendly community.

### How to Apply for Residence

1. Log into **myInfo**
2. Select 'Residence Services' and 'Apply for Residence'
3. Complete all information and downpayments required

## 7 ACCEPT YOUR OFFER ☐

**If you receive a Letter of Acceptance, congratulations! Your hard work, determination and commitment to your studies has paid off.**

Please read through your Offer of Admissions carefully.

Your Offer will indicate which program(s) you have received admissions to, along with important dates and information.

If you have received a conditional offer, you must satisfy those conditions in order to retain your Offer and spot in the program.

All conditions must be successfully met as detailed and by the specific dates. Contact Student Central at [studentcentral@lakeheadu.ca](mailto:studentcentral@lakeheadu.ca) with any questions about your Offer of Admission.

**We are looking forward to welcoming you as a future Thunderwolf!**





# UNDERSTANDING THE ADMISSIONS PROCESS

## OFFERS OF ADMISSION

Lakehead assesses and extends offers of admission to qualified applicants throughout the entire admissions cycle. It is important that you remain informed about your application by reviewing all Lakehead University correspondence. Any and all conditions outlined in an Offer of Admission letter must be met in order to finalize your admission to Lakehead University.

## RELEASE OF OFFERS

For current Ontario high school students, offers are extended in rounds based on available grades.

December – Early Round

March – First Round

May – Second Round

July – Final Round

For all other applicants, offers are extended on a rolling basis to qualified applicants who have completed an application and submitted all supporting documentation. This excludes limited enrolment programs such as: Engineering, Music, Nursing, 1-Year Honours Bachelor of Social Work, 2-Year Bachelor of Education, Visual Arts and Year 3 Honours Bachelor of Social Work. Offers of admission to limited enrolment programs are released in rounds that begin in March.

## ALTERNATE OFFERS

Students who do not meet the admission requirements of their program of choice, but who do meet the General Admission Requirements of Lakehead University, will automatically be considered for an alternate program.

## SUMMER SCHOOL, NIGHT SCHOOL & CORRESPONDENCE

Lakehead University accepts Grade 12 U or M courses or equivalent taken through summer school, night school, or correspondence. It is the student's responsibility to inform Lakehead University of any courses taken outside of regular high school, and to ensure that final official grades are received no later than **August 12, 2022**.

## REPEATED COURSES (HIGH SCHOOL APPLICANTS ONLY)

Lakehead University does not penalize high school students who have repeated courses. The highest Grade 12 U or M grade or equivalent will be used when calculating the admission average.

## DEFERRALS

Deferral of admission requests to the next academic year will be considered on a case-by-case basis for full-time studies in open enrolment programs. You may defer an offer of admission only once, if approved.

## INTERNATIONAL BACCALAUREATE (IB) AND ADVANCED PLACEMENT (AP)

Applicants presenting the IB Diploma may be considered for advanced standing credit in some higher level (HL) subjects provided a score of five or better has been achieved. Similarly, applicants who have achieved a minimum grade of four on an AP exam may be eligible to receive advanced standing credit.

## MAXIMIZE YOUR TRANSFER CREDIT

### TRANSFERRING FROM UNIVERSITY OR COLLEGE?

If you are transferring from another university or college, Lakehead's generous transfer credit policies ensure you can maximize your transfer credit to get you one step closer to completing your Lakehead degree in the quickest amount of time possible.

If you are a college transfer applicant, Lakehead has transfer pathway agreements allowing you to move seamlessly from numerous college programs into one of Lakehead's degree programs. We recognize transfer credit for diploma programs whether it has been partially or fully completed.

Learn more at [lakeheadu.ca/admissions](https://lakeheadu.ca/admissions)

## ACADEMIC SUPPORT ACCESS PROGRAM

If your average falls below the published admission requirements, you will automatically be considered for conditional admission through our academic support access program.

This program is geared towards students who successfully meet their program course requirements but whose average does not represent their academic potential. You will be connected with an advisor to determine the next steps of your Lakehead University journey.

Learn more at:





# LEARN BEYOND THE CLASSROOM

Enrich your education both **inside and outside** the classroom by taking your expertise into our local communities, the lab, the workplace, or even **around the world**.

Learning beyond the classroom is in our nature.

Gain practical, hands-on experience through a variety of experiential learning opportunities available across all our undergraduate programs. The following icons are throughout the Viewbook indicating which programs offer these experiential learning opportunities:



## CO-OPERATIVE EDUCATION

With more than 27 co-op programs offered at Lakehead, you will gain hands-on experience while you learn. Alternate your academic studies with periods of work experience, deepening your knowledge, while you earn additional money and build your resumé for the future. Lakehead has partnered 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 you 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. From food security and community gardens to fishing policy and wastewater treatment, you will take your knowledge into the community, as well as bring community knowledge back into the university.



## UNDERGRADUATE 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 undergraduate research opportunities. Work alongside a world-renowned researcher, create something new and work towards changing our future.



## PRACTICUMS, PLACEMENTS AND FIELD EXPERIENCE

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



## INTERNATIONAL OPPORTUNITIES

Many programs offer international educational opportunities as a core, or optional, component of the curriculum. International field trips to Iceland for Environmental Management students, Anthropological digs in Tanzania, or Outdoor Recreation expeditions to the Antarctic are some examples of what is possible.

### International Exchange Program

Immerse yourself in the dynamic culture of another country while completing your degree. During an international exchange, you will remain a Lakehead student and continue to pay your regular Lakehead tuition even though you will be studying in another country!

Broaden your learning and acquire new knowledge in a cultural environment different from your own. You may have the opportunity to learn a new language or refine your current language skills, meet new and interesting people, learn about different cultures, or even gain global competencies to enhance marketability, which will give you a competitive edge when finding employment after graduation.

Study abroad opportunities are available at partner institutions all over the world, including countries such as Australia, Finland, France, Germany, Japan, South Korea, Mexico, Norway, Singapore, the United States, Sweden or the United Kingdom.



# FINANCING YOUR EDUCATION

Lakehead's exceptional **scholarship and bursary** program is one of the **top programs** in Canada.

## ENTRANCE SCHOLARSHIPS

**Automatic** - No scholarship application required

Rewarding exceptional academic performance, we guarantee funding to entering high school students who are Canadian citizens studying at a high school in Canada and who have a minimum 80% average from a recognized Canadian high school curriculum.

Academic Average		Scholarship Total (Value Per Year)	Scholarships Available
<b>95.0% &amp; OVER</b>	=	<b>FREE TUITION (Tuition x 4 years)<sup>†</sup></b>	UNLIMITED
90.0% - 94.9%	=	\$10,000 (\$2,500 x 4 years) <sup>2</sup>	UNLIMITED
85.0% - 89.9%	=	\$5,000 (\$1,250 x 4 years) <sup>2</sup>	UNLIMITED
80.0% - 84.9%	=	\$3,000 (\$750 x 4 years) <sup>2</sup>	UNLIMITED

<sup>†</sup> Free Tuition Scholarship is based on final top 6 Grade 12 U/M marks. If final scholarship average decreases below 95% and the student had a 95% in May, a \$4,000 renewable scholarship will be awarded. See 1 for \$4,000 renewal criteria.

<sup>1</sup> Free Tuition Scholarship and \$4,000 Scholarship renewable provided a 90% average is achieved in each academic year. If a student's university academic average falls between 80.0% - 89.9%, the student will receive an amended scholarship valued at \$2,500/year for each subsequent academic year for the remaining term of the scholarship.

<sup>2</sup> Renewable provided an 80% average is achieved in each academic year.

## PRESIDENTIAL SCHOLARSHIPS

**VALUE: UP TO 2 X \$30,000 (\$7,500/YEAR FOR 4 YEARS)**

Awarded to outstanding Canadian high school students annually who have achieved a minimum 90% average and have demonstrated leadership qualities and made significant contributions to their high school and their community.

**Application Deadline: April 25, 2022**

## NORTHWESTERN ONTARIO AND SIMCOE COUNTY CITIZENSHIP SCHOLARSHIPS

**VALUE: UP TO 10 X \$3,000 (\$3,000/YEAR X 1 YEAR)**

Awarded to 10 graduating students from high schools in Northwestern Ontario and Simcoe County who model good citizenship within their high school and community. Minimum 85% average required.

**Application Deadline: March 15, 2022**

## SPECIALIST HIGH SKILLS MAJOR AWARD

**VALUE: \$500 AWARD**

Available to high school students enrolled in select Specialist High Skills Majors.

**Application Deadline: April 15, 2022**

## VARSITY ENTRANCE ATHLETIC SCHOLARSHIPS

**VALUE: UP TO \$4,500**

Members of a 2022-23 Lakehead University Varsity team (Thunder Bay campus) are eligible for consideration by the Varsity Coaches.

## ALUMNI ENTRANCE AWARD

**VALUE: \$2,500 AWARD**

Available to students whose parents are an alumni of Lakehead University.

**Application Deadline: April 30, 2022**

## ENTRANCE BURSARIES

Our entrance bursary program provides over \$300,000 annually for students who demonstrate financial need.

### GENERAL & TRAVEL BURSARY - UP TO \$2,300

Travel Bursary portion of \$800 is based on living distance from the Thunder Bay or Orillia Campus (must be over 700 km away).

#### Application Deadline:

Round 1 - April 15, 2022 Round 2 - June 30, 2022

### MATURE & TRANSFER STUDENT BURSARY - UP TO \$1,000

Available to students transferring from a college or university, or mature students with no previous postsecondary education.

#### Application Deadline: June 30, 2022

## FIRST YEAR SCHOLARSHIP & BURSARY OPTIONS

Additional scholarship and bursary options are available for you right in first year and beyond. Keep an eye out for communication. Don't miss out!

[myawards.lakeheadu.ca](http://myawards.lakeheadu.ca)

## INTERNATIONAL ENTRANCE SCHOLARSHIPS

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 2022-2023. Applicants are automatically considered for the scholarships – no additional scholarship application is required.

Academic Average (Canadian Equivalent)	IB Average	Scholarship Total <sup>4</sup> (in Canadian dollars)
90.0% +	35+	\$40,000 (\$10,000 x 4 years) <sup>1</sup>
80.0 - 89.9%	30-34	\$30,000 (\$7,500 x 4 years) <sup>2</sup>
75.0 - 79.9%	28-29	\$6,000 (\$6,000 in Year 1 only) <sup>3</sup>

For complete terms and conditions, please visit:

[lakeheadu.ca/entrance-scholarships-international](http://lakeheadu.ca/entrance-scholarships-international)

<sup>1</sup> Renewable provided a 90% average is achieved in each academic year. If a student's university academic average falls between 80.0% - 89.9%, the student will receive an amended scholarship valued at \$7,500 CAD/year for each subsequent academic year for the remaining term of the scholarship.

<sup>2</sup> Renewable provided an 80% average is achieved in each academic year.

<sup>3</sup> Non-renewable, one-time only scholarship awarded in Year 1.

<sup>4</sup> Maximum length of scholarship term is 4 academic years or until the first degree is awarded, whichever occurs first. To be considered eligible for scholarship consideration, recipients must be entering Years 1, 2, or 3 of a minimum 4-year undergraduate degree program. Recipients whose status changes and may be charged domestic fees will have their scholarship value reassessed to equate to the domestic entrance scholarship grid and regulations available at that time.

## Knowing Your Costs

Going to university will be one of the biggest and most important investments you will ever make. Understanding the costs involved and preparing a budget is a must. When thinking about university, remember to consider not just the tuition, but also books and supplies, living expenses as well as personal spending money.

### EXPECTED COSTS



#### TUITION FEES, BOOKS & SUPPLIES

\$7,244 to \$9,061 (Domestic Students)  
\$27,760 to \$35,360 (International Students)  
(depending on your program)



#### LIVING EXPENSES

Approximately \$11,000  
(depending on on-campus or off-campus living)

### EXPECTED RESOURCES



#### UNIVERSITY STUDENT AID

Entrance Scholarship, Entrance Bursaries,  
Fall/Winter Bursaries, Work Study Program



#### GOVERNMENT STUDENT AID

Ontario Student Grant, Government Loans

## Visualizing your Budget

Budgeting is an important part of being a university student. A budget will allow you to forecast your resources and expenses for the year, so you can prepare accordingly.

### SAMPLE STUDENT

Take a look at this student example to help build your own budget.

**Aleysha, Milton, ON - History, Thunder Bay Campus**

- ▶ Grade 12 average: 86%
- ▶ Parental income: \$48,000
- ▶ Living in Residence with meal plan

Tuition Fees, Books & Supplies (\$8,138)		Living Expenses (\$11,000)		Travel & Entertainment (\$1,100)	<b>ESTIMATED EXPENSES (\$20,238)</b>
Entrance Scholarship (\$1,250)	Entrance/Travel Bursary (\$2,300)	Work Study Program (\$2,000)	Government Grants (\$9,500)	Government Loans (\$5,000)	Personal Contribution (\$3,600)
					<b>ESTIMATED RESOURCES (\$23,650)</b>

Note: Values shown above may vary - for illustrative purposes only. Lakehead University reserves the right to make changes without prior notice to the terms, conditions, and award values contained in this publication.



# BUSINESS ADMINISTRATION & COMMERCE

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

**100%**

EMPLOYMENT RATE

Post Graduation

**Whether you have an entrepreneurial spirit, the desire to give back to society, or the drive to become a future CEO,**

a business education at Lakehead will prepare you to navigate the increasing complexities of the global business environment.

Our classes link you to the business world with theory and hands-on practical applications. Smaller classes mean you work closely with your professors and build a solid network with your classmates. Case studies and other experiential learning activities allow you to put theory into action and build skills employers are seeking.

📍 Thunder Bay Campus    📍 Orillia Campus

## CAREER PATHS

- ▶ Social Media Consultant
- ▶ Accountant
- ▶ Auditor
- ▶ Sales Account Manager
- ▶ Marketing and Communications Specialist
- ▶ Financial Planner
- ▶ Commercial/Investment Banker
- ▶ Financial Consultant/Analyst
- ▶ Strategic Planner
- ▶ CEO
- ▶ Human Resource Officer
- ▶ Supply Chain and Logistics Coordinator
- ▶ Payroll Specialist
- ▶ Project Manager
- ▶ Chief Information Officer

## The Lakehead Advantage



**Fewer than 5%** of business programs worldwide have been accredited by the Association to Advance Collegiate Schools of Business (AACSB) and Lakehead University's Faculty of Business Administration is one of them. This globally-recognized hallmark of excellence guarantees a challenging and relevant curriculum delivered by the most highly-qualified faculty.

## The Co-op Advantage

**Gain hands-on experience in the business world.** With co-op work terms of 4 to 16 months, you will work in a role directly suited to your major while earning a competitive salary. Past students have pursued a co-op in the corporate world, government agencies, not-for-profit organizations, private, and multinational companies. Not only have our students benefited from the incredible experiences co-op afforded them, but many also secured permanent employment with their co-op employers after graduation.

## BUSINESS COMMERCE

**Honours Bachelor of Commerce (HBComm);**  
**Major:** Accounting, Business Economics, Finance, General Management, Human Resources Management/Industrial Relations, Business Analytics & Information Systems, International Business, Marketing; **Minor:** Accounting, Business Finance, Human Resources Management/Industrial Relations, Information Systems, Marketing; **Certificate:** Business Information Technology Management, Entrepreneurship Certificate

The first two years of the Honours Bachelor of Commerce program will provide you with a comprehensive understanding of core business disciplines. Incoming students have the option of selecting one of the 8 majors available as early as year one or before entering year three, where you will dig deeper into fields of study and explore a range of advanced courses.

**Unique Learning Opportunities:** Annually, our students compete in regional and national business competitions providing you with an opportunity to represent Lakehead and put your skills to the test. Students participate in class projects with community organizations to learn real-world applications of their classroom learning.

**Advanced Studies:** Master of Business Administration (MBA); Master of Science in Management (MScMgt); Graduate Diploma in Accounting

**Sample Courses:** Accounting; Business Communications; Marketing; Economics; Finance; Organizational Behaviour; Business Intelligence; Market Research; Corporate Finance; Law; Sales and Merchandising; Human Resource Management; Business Software Development; Principles of Entrepreneurship; Labour Relations; International Business



## Work-Integrated Learning

You can also apply for the Work Integrated Learning at Lakehead program (powered by RBC Future Launch) to gain practical hands-on work experience to further develop your skills and help you enter the workforce. The program consists of a part-time work placement, along with mentorship and skill-building workshops.



## BUSINESS COMMERCE

**Honours Bachelor of Commerce (HBComm);**  
**Major:** Business Administration, Global Entrepreneurship; **Certificate:** Global Entrepreneurship

Your business studies at the Orillia Campus will allow you to tailor your degree to enhance your future career aspirations. While providing you with critical business foundation courses in your first two years, every year you are given the opportunity to select additional business courses or focus on a non-business area. This flexibility gives you a wide range of management career options beyond graduation.

**Unique Learning Opportunities:** The Global Entrepreneurship major will allow you to explore the launch and management of entrepreneurial ventures from both domestic and global perspectives. Learn how to manage innovation in existing organizations and how to manage a technologically-driven business.

**Sample Courses:** Business Productivity Software; Principles of Economics; Accounting; Organizational Behaviour; Business Communications; Marketing; Finance; Foundations of Entrepreneurship; Venture Management; Strategic Management Theory



## Launch Your Future Career Forward

A Lakehead business degree will help you fast track attaining a professional designation that will allow you to enter specific careers that require a certain set of skills and expertise.

Here are a few examples:

- ▶ Accredited by the Chartered Professional Accountants (CPA) of Ontario, Accounting majors graduate with all of the requirements of the CPA Prerequisite Education Program (PREP). After graduation, complete the Graduate Diploma in Accounting to earn advanced standing in the Professional Education Program (PEP).
- ▶ Lakehead's courses have been approved by the Human Resources Professionals Association for use toward one of the Certified Human Resources designations (CHRP, CHRL, CHRE). Human Resources Management majors graduate with all of the courses required.



**Debra Woods** HBComm '05  
 Area Marketing Director, KPMG



"Lakehead ignited my passion and drive. It gave me the skills, opportunity, and confidence to step **outside my comfort zone** and **challenge** myself in new ways."

Where will your Lakehead degree take you?



# TEACHER EDUCATION

Leading the way  
for a **brighter future.**  
It's in our roots.

## 105


DAYS OF

**Placements**

Gain exceptional insight  
and on-the-job training

## Lakehead has a rich history of training future educators.

Our approach supports the discovery of your own teaching style while exposing you to real world challenges, which allows you to create inspiring educational experiences. This will prepare you to be a leader in a variety of disciplines that shape education, not just in Canada, but around the globe.

 Thunder Bay Campus  Orillia Campus

## 99.1%

EMPLOYMENT RATE

**Post Graduation**

## 50+ School Board partners for student teaching placements across Ontario

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

## CAREER PATHS

- ▶ Teacher
- ▶ Principal
- ▶ Director of Education
- ▶ Tutor
- ▶ Second Language Teacher
- ▶ Writer
- ▶ Training & Development Specialist
- ▶ School Counsellor
- ▶ Adult Literacy Teacher
- ▶ Grant Writer
- ▶ Athletics Director
- ▶ Youth Worker
- ▶ Curriculum Developer
- ▶ Community Development Officer



## ACCELERATE YOUR LEARNING

Did you know you can accelerate your Concurrent Education program completing a **4-year degree** and the **2-year Education degree** in only **5 years!** Accelerated programs offered include: Biology, Chemistry, English, History and Kinesiology

## CONCURRENT EDUCATION

**Bachelor of Education (BEd)**  
**Primary/Junior [T][O], Intermediate/Senior [T]**

Earn two degrees at the same time with one of our Concurrent Education programs. You will take courses in both the Faculty of Education and the faculty offering your program (e.g. Kinesiology in the Faculty of Health & Behavioural Sciences) before spending two years exclusively within the Faculty of Education in order to qualify for certification by the Ontario College of Teachers (OCT).

**Teaching Levels & Subjects:** Depending on the program you are concurrently studying, you will select a teaching level that will enable you to be certified to teach specific grades in the classroom. The following teaching levels are offered:

**Primary/Junior:** Junior Kindergarten - Grade 6  
**Intermediate/Senior:** Grades 7 - 12

At the Intermediate/Senior teaching level, you will select two compatible teaching subjects from the following options:

- ▶ English
- ▶ Environmental Science
- ▶ First Nations, Métis, and Inuit Studies
- ▶ French (as a Second Language)
- ▶ Geography
- ▶ Health & Physical Education
- ▶ History
- ▶ Indigenous Language (Algonquian: Cree, Ojibwe, and Oji-Cree)
- ▶ Math
- ▶ Music - Instrumental or Vocal
- ▶ Science - General, Biology, Chemistry, Physics
- ▶ Social Sciences - General (2nd teaching subject only)
- ▶ Visual Arts

**Unique Learning Opportunities:** You will participate in 105 days of student teaching placements over the span of two years with international placement opportunities in countries like Scotland, England, St. Maarten and Malaysia, as well as opportunities in remote, Indigenous communities. Alternative placement in areas such as culinary arts or special education, or in places such as the Royal Ontario Museum, Science North, or outdoor education centres can also be pursued.



## CONSECUTIVE EDUCATION

**Bachelor of Education (BEd)**  
**Primary/Junior [T][O], Intermediate/Senior [T][O]\***

\* Teachables currently available at Orillia Campus include English, Geography, History and Social Sciences - General

Open to applicants with sufficient academic backgrounds who have already completed an undergraduate degree, the Consecutive Bachelor of Education program leads to a recommendation for certification by the Ontario College of Teachers (OCT) after two successful years of study. Those intending to teach at the secondary level (Intermediate/Senior) must present two teaching subjects.

## ELEMENTARY INDIGENOUS EDUCATION

**Honours Bachelor of Education (HBEd)**  
**Primary/Junior**

This 5-year program will prepare you to become a qualified teacher at the elementary level, with an emphasis on teaching Indigenous children. You will develop a critical understanding of culturally-based education grounded in Indigenous philosophies. Distinguishing various health conditions that can affect learning in association with relevant historical contexts, you will learn how to apply assistive tools and approaches when working with at-risk youth and how to access Indigenous youth support networks.



## INTERMEDIATE/SENIOR INDIGENOUS EDUCATION

**Bachelor of Education (BA/BEd)**  
**Intermediate/Senior**

This program provides students of Indigenous ancestry with the opportunity to pursue a Bachelor of Arts (BA) degree in Indigenous Learning, while working toward the Bachelor of Education degree, to teach at the high school level, with First Nations, Métis and Inuit Studies as a teaching subject. Over a 5-year period, you will develop professional teaching skills while learning to meet the unique social and cultural needs of Indigenous communities through courses in Indigenous culture and traditions, Indigenous languages, Indigenous arts and crafts, and the literature of Canada's Indigenous peoples.

## INDIGENOUS LANGUAGES TEACHER DIPLOMA

**Diploma**

The Indigenous Language Teacher Diploma Program will prepare you to instruct Native as a First Language or Second Language. This 4-year program, completed primarily over four summers, will focus on helping you to develop the skills required for second language teaching, offering a curriculum designed for students who enter the program with an Algonquian language background.



**Darren Lentz**

HBOR, BSc BEd '96, MEd '07  
Principal, Lakehead Public Schools



"Attending Lakehead University opened doors that has **shaped my life**. The people, the environment, the experiences I had are **everlasting**."

**Where will your Lakehead degree take you?**





**engineerscanada**  
**ingénieurscanada**

All Bachelor of Engineering degree programs  
offered at Lakehead University are accredited by  
The Canadian Engineering Accreditation Board (CEAB).

**Unique Engineering Programs.**  
Earn an **Engineering Degree**  
and **Technology Diploma** in **4 Years.**

# ENGINEERING

## The unique design of Lakehead's programs

in Chemical, Civil, Electrical, Mechanical and Software Engineering offered at the Thunder Bay Campus enables students to earn a Bachelor of Engineering (BEng) degree in four years, while also earning an Engineering Technology Diploma in their respective field by the end of the second year of their BEng degree.

The field of engineering is generally associated with finding solutions for real world problems in an analytical fashion using the math, science and problem-solving skills developed through a solid education in engineering fundamentals. Engineers must also possess excellent communication skills as well as an understanding of the management, legal, and societal issues that impact development of the technological products and processes.

 **Thunder Bay Campus**     **Lakehead-Georgian**

**96.4%**

EMPLOYMENT RATE

**Post Graduation**

above the Ontario  
average

## Experiential Learning is an important component in Lakehead's Bachelor of Engineering programs.

Our students participate in team-based learning opportunities, including projects and presentations, hands-on laboratories, a senior design project, and have the opportunity to apply for Co-operative Education, Internship Programs, and International Exchanges. Enhance your education by participating in our engineering speaker's series, tours, volunteer opportunities, Technical and Professional Chapters, engineering competitions, and a variety of on-campus and community events.

## The Co-op Advantage

**A Co-op/Internship option is available for all Engineering programs.**

You can apply directly or in either second or third year, and will receive workshops on interviewing, resumé preparation, and work performance. You will accumulate at least 16 months of paid, practical work experience and graduate a year later than students enrolled in the regular Bachelor of Engineering program.

## The Joint BEng/MBA Advantage

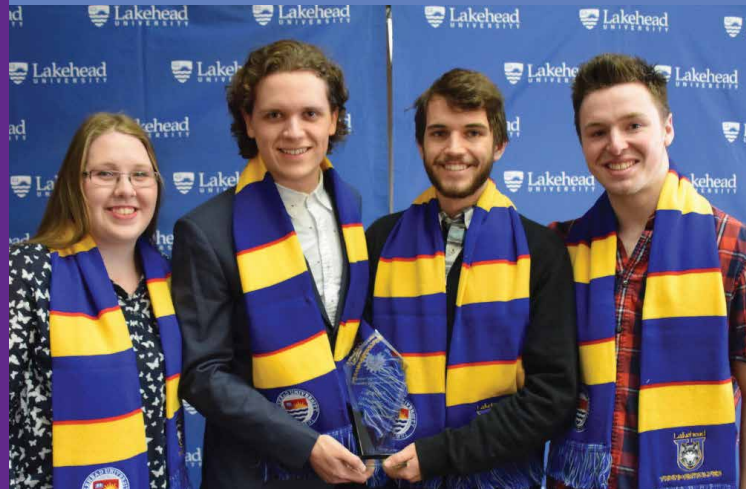
**An MBA option is available for all Engineering programs at the**

**Thunder Bay campus.** Students can apply directly or in the third year of the BEng program. Eligible engineering students interested in pursuing the joint BEng/MBA program will graduate in five years with Bachelor of Engineering and MBA degrees.

## At the Canadian Engineering Competition, Lakehead's Engineering team placed 1st in the Senior Design Category.

The team designed and built a prototype of a remotely-operated fire truck, which could race to a flaming building and accurately launch water bombs at multiple locations. "This award fully demonstrates how we equip our students with creative minds and life-long learning skills that enable them to cope with the changing world."

- Dr. Benlamri, Professor - Software Engineering



### CHEMICAL ENGINEERING

#### Bachelor of Engineering (BEng) - Chemical with Diploma in Chemical Engineering Technology

As a chemical engineer, you will be skilled in the development, design, construction, and operation of industrial plants in which natural resources are transferred into useful products. Chemical engineers are involved in the manufacturing of such commodities as synthetic fibres, plastics, fertilizers, detergents, salts, foods, pharmaceuticals, resins, petroleum products, and pulp and paper. Versatile and well grounded in chemistry, physics, and mathematics, you will also apply empirical engineering know-how to solve problems.

**Unique Learning Opportunities:** Take advantage of small classes and professors dedicated to teaching excellence to obtain a high quality, student-centred experience culminating in the design of a chemical plant in the final year of your program.

**Career Paths:** Chemical Engineer, Process Design Engineer, Plant Process Engineer, Environmental Engineer, Research and Development Engineer, Project Engineer, Technical Manager, Project Manager, Sales/Marketing; Engineer working in fields including mining, biotechnology, food and drugs, fuel and energy, advanced materials and the chemical process industries

**Sample Courses:** Chemical Plant Design; Process Control; Fluid Mechanics; Chemical Thermodynamics; Organic Chemistry; Chemical Reactor Design



### CIVIL ENGINEERING

#### Bachelor of Engineering (BEng) - Civil with Diploma in Civil Engineering Technology

As a civil engineer, you will be involved in the planning, design, construction, and rehabilitation of engineering works such as buildings, airports, highways, dams and power projects, water supply and waste disposal systems, bridges, harbours, and industrial facilities. You will tackle design and research work in highway geometrics and transportation systems, high-performance concretes, environmental issues, watershed analysis, foundations, and slope stability projects or structural analysis and design engineering.

**Unique Learning Opportunities:** Compete in regional and national competitions with winning results, drawing upon knowledge from courses such as Structural Analysis, Steel and Reinforced Concrete Design, Civil Engineering Analysis and Foundation Engineering.

**Career Paths:** Civil Engineer, Structural Engineer, Water Management Engineer, Bridge Engineer, Traffic Engineer, Sanitation Engineer, Public Works Engineer, Geotechnical Engineer, working in the Structural, Geotechnical, Environmental, Transportation, Water Resources, and Construction Project Management fields

**Sample Courses:** Surveying; Highway Design; Structural Analysis; Foundation Engineering; Open Channel Flow; Environmental Control; Reinforced Concrete Structures



### SOFTWARE ENGINEERING

#### Bachelor of Engineering (BEng) - Software with Diploma in Software Engineering Technology

As a software engineer, you will apply engineering methodologies and good practices for managing the creation of software from initial customer inception to the release of the finished product, including analysis, design, coding, testing and deploying software systems. Software is an omnipresent and fundamental part of modern society, and has grown dramatically in size, scope, and complexity. As a result, there is an immediate and important need for qualified software engineers who can model entire software and hardware systems, lead interdisciplinary project teams of designers and developers to build these large-scale systems, and ensure quality, integrity, and safety to the software infrastructure that the public depends on every day.

**Unique Learning Opportunities:** Enjoy small class sizes and learning experiences from a variety of teaching practices, including hands-on laboratory activities, cooperative learning groups, group and individual software projects. Students are exposed to a modern curriculum, including data science, computational intelligence, agile software development, software security and safety, and web technologies.

**Career Paths:** Software Engineer, Software Developer, Software Systems Architect, Mobile Application Developer, Data Scientist, Cyber Security Specialist, Project Manager

**Sample Courses:** Large Scale Data Analytics; Software Engineering Design; Agile Software Development; Software Testing & Quality Assurance; Applied Computational Intelligence; Software Safety & Security





## ELECTRICAL ENGINEERING

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

Earn a Bachelor of Engineering (Electrical) degree in four years, and an Engineering Technology Diploma at the end of the second year of the BEng degree, from Lakehead University.

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

Earn a Bachelor of Engineering (Electrical) degree from Lakehead University and the Advanced Diploma from Georgian College on completion of an innovative 4-year curriculum.

Both programs will provide you with a solid foundation across all areas of electrical engineering – gaining valuable theoretical knowledge, practical engineering and applied technology skills. As an electrical engineer, you will work on the development and manufacturing of electrical and electronics equipment. You will learn the fundamentals of physical science, as well as more practical areas in the design and operation of industrial control systems, communication systems, electronic circuits, and the generation and distribution of electrical power. Nearly all industries use electricity and electrical devices, making skilled professionals in this field highly desirable all over the world.

**Unique Learning Opportunities:** Our unique programs offer a combination of hands-on experience as well as a strong theoretical foundation for complex engineering design. Specialized study awaits you in areas such as power systems, power electronics, embedded systems, computer organization, fuzzy controls, wireless communications and fibre optics.

**Career Paths:** Electrical Engineer, Test Engineer, Design Engineer, Project Engineer, Circuit Designer, Communications Engineer, Electrical Systems Engineer, working in fields such as power generation, transmission, distribution and control, mining, telecommunications, drives and drive electronics, custom electrical applications and system integration

**Sample Course Topics:** Power Electronics; Electrical Machines; Control Systems; Power Systems; Digital Communication Systems; CMOS Circuits; RF Circuits; Microcontrollers; Computer Organization; Embedded Systems; Digital Signal Processing



## MECHANICAL ENGINEERING

### Bachelor of Engineering (BEng) - Mechanical with Diploma in Mechanical Engineering Technology

As a Mechanical Engineer you will be able to model, analyze, design, simulate, manufacture, assemble and work with various mechanical engineering systems such as engines, turbines, industrial production equipment, material handling systems, renewable energy systems, robots, machines, and mechanical mechanisms of many types.

**Unique Learning Opportunities:** Study and engage in a combination of engineering technology experience, along with advanced knowledge in engineering fundamentals and design skills culminating in technology & senior degree projects in diverse mechanical engineering areas such as solar-driven cars and machines, Formula SAE® race cars, human-powered vehicles, remote-controlled drones and airplanes, ASHRAE-HVAC and ASME-Aero design systems, and many other innovative subjects.

**Career Paths:** Mechanical Engineers and Mechanical Engineering Technologists are versatile. They are employed in many sectors driven by the economy and prosperity including thermal power plants, automotive and aerospace industry, hydropower and nuclear power plants, manufacturing industry and factories, mining industry, renewable energy engineering technologies, HVAC heating and cooling industry, and many R&D innovative technologies

**Sample Courses:** Dynamics, Mechanics of Materials, HVAC, Fluid Dynamics, Dynamics of Machines; Energy Conversion Engineering; Thermal Sciences, Machine Design, Combustion and Emissions; Mechanics of Materials; Mechanical Engineering Design; Industrial Engineering; Computational Methods and Modeling for Mechanical Engineering; Mechanical Vibrations, Analysis & Applications of Composite Materials; Modeling & Control of Mechanical Systems



EXCEPTIONAL ALUMNI,  
UNCONVENTIONAL CAREERS

### Salvin Cartier

BEng (Electrical) '17

Research Engineer, Ford Motor Company



“My time at Lakehead allowed me to attend a beautiful campus, further my academic knowledge and create lifelong friendships. Additionally, I was provided the resources to obtain an internship, which opened opportunities both domestically and internationally upon graduation.”

Where will your Lakehead degree take you?

EXCEPTIONAL ALUMNI,  
UNCONVENTIONAL CAREERS

### Durray Farooqi

BEng (Electrical) '11

Staff Product Engineer, Semtech



“I have been very fortunate enough to be mentored by great professors and peers. Their mentorship has shaped my work as an Electrical Engineer and I cherish their guidance.”

Where will your Lakehead degree take you?



# HEALTH & BEHAVIOURAL SCIENCES

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

**100%**  
EMPLOYMENT RATE

Post Graduation

**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 truly unique, hands-on learning experience with close ties to many health, mental health, and social service providers in our campus communities.







## PSYCHOLOGY

**Honours Bachelor of Arts (HBA)\*;**  
**Honours Bachelor of Science (HBSc)\*;**  
**Double Major** with: Philosophy, Gender and Women's Studies; **Minor; Concentration:** Gender and Women's Studies; **Concurrent Education:** Primary/Junior, Intermediate/Senior

\*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 also feature immersive research opportunities beginning in first year and culminating with the opportunity to integrate your learning in a 4<sup>th</sup> year project or thesis.

**Career Paths:** Behaviour Therapist, Family Therapist, Art Psychologist, Occupational Therapist, Clinical Coordinator, Social Worker, Mental Health Nurse, Researcher, Policy Analyst, Probation Officer, Security and Intelligence, Forensic Psychologist

**Sample Courses:** Abnormal Psychology; Child Development; Personality Psychology; Behavioural Neuroscience; Mind, Morality, and the Law; Psychology and Aging; Behaviour and Drugs; Animal Behaviour; Psychology of Human Sexuality; Gender and Mental Health



## KINESIOLOGY

**Honours Bachelor of Kinesiology (HBK);**  
**Concurrent Education:** Primary/Junior, Intermediate/Senior, Accelerated Education option

The study of human movement and the factors that influence and support our body's ability to move are examined within the field of Kinesiology.

As a Kinesiology student, you will examine a broad range of multidisciplinary fields of study, including physiology, anatomy, biomechanics, aging populations, psychology, psychomotor behaviour, socio-cultural influences, musculoskeletal injuries, ergonomics, adapted physical activity, lifestyle management, and nutrition. You will be challenged to examine health and physical activity across the human lifespan.

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 the Kinesiology program are eligible to challenge the exam to become a regulated health professional.

**Unique Learning Opportunities:** 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 can complete a minimum of four 4-month paid work terms. Thinking of Med School? Kinesiology graduates have great success.

**Career Paths:** Kinesiologist, Rehabilitation Specialist, Ergonomist, Strength & Conditioning Coach, Physical Education Teacher, Sports Agent/Coach, Athletic Therapist, Lifestyle Coach, Nutritionist, Workplace Wellness Coordinator, Physiotherapist, Occupational Therapist, Chiropractor, Doctor

**Advanced Studies:** Master of Science (MSc) in Kinesiology, Physiotherapy, Occupational Therapy, Chiropractor, Medicine, Graduate Diploma in Kinesiology

**Sample Courses:** Physical Growth and Motor Development; Biomechanics; Principles of Fitness and Wellness; Movement Observation and Assessment; Psychology of Physical Activity; Physiology; Musculoskeletal Injuries; Exercise Prescription; Human Anatomy



## SOCIAL WORK

**Honours Bachelor of Social Work (HBSW);**  
**Concentration [T]:** Indigenous Learning, Gender and 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, Social Workers are committed to social justice and the well-being of all members of society. Our program provides you with an opportunity to learn the foundational skills you require to help people make positive change and begin your career as a Social Worker. Our programs are fully accredited by the Canadian Association for Social Work Education.

You will begin your academic journey at Lakehead by taking two foundational liberal arts years during which you will take introductory courses in Social Work, along with a variety of interesting courses that you select to broaden your learning. You will be required to apply for admission to the professional years (third and fourth year) during your second year of study. Academic guidance will be provided to help you prepare for a successful application.

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.

**Unique Learning Opportunities:** Field education is an integral component of the program with placement opportunities in a child welfare agency, psychiatric or medical hospital, 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.

**Sample Courses:** Human Development; Social Work Theory; Child Welfare; Treatment of Drug and Alcohol Abuse; Violence in Social Work Practice; Psychosocial Palliative Care



## NURSING T

**Bachelor of Science in Nursing (BScN);**  
Collaborative Program with Confederation College  
(4 years); Compressed Program (3 years)

As leaders of nursing education and scholarship, Lakehead's nursing programs aim to prepare graduates who are leaders and advocates for health in Northwestern Ontario and beyond. Our curricula are strongly rooted in a foundation of relational practice. We take pride in creating learning environments conducive to collaborative relationships, which are supportive of the principles of equity, diversity, decolonization, and inclusion with respect to our learners and the individuals and communities we care for and about. A variety of experiential learning opportunities 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. Lakehead's nursing programs value excellence in clinical practice and provide students with experiential learning opportunities that include medical-surgical, mental health, obstetrics, paediatrics, adult/older adults, acute care, chronic and complex care, long-term care, and/or community health settings. 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.

**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, Occupational Health and Safety Nurse, Nurse Researcher, Clinical Nurse Educator

**Advanced Studies:** Master of Nursing (MN); Primary Health Care Nurse Practitioner (PHCNP); Master of Nursing (MN); Advanced Practice Nursing (APN); Master of Public Health with a specialization in Nursing (MPH-N)

**Sample Courses:** Applied Anatomy and Physiology; Relational Nursing Theory & Practice; Nursing Inquiry; Adult Illness Concepts; Integrated Nursing Sciences (i.e., concepts of nutrition, pharmacology & microbiology); Nursing Leadership; Advanced Topics in Nursing



## INDIGENOUS NURSING ENTRY PROGRAM T

The Indigenous Nursing Entry Program (INEP) is an eight-month full-time transition program designed for Indigenous students who wish to enter the field of Nursing but do not meet the admission requirements. Successful completion of the INEP ensures a seat in the Bachelor of Science in Nursing (BScN) program.

**Unique Learning Opportunities:** Studies occur in a culturally-sensitive and friendly environment and include courses in Biology, Chemistry, Math, English, and Academic Skills, as well as specific preparatory courses in Communication and Professional Conduct in Nursing.



EXCEPTIONAL ALUMNI,  
UNCONVENTIONAL CAREERS



**Jordan Lenz**

BScN '18

Registered Nurse,  
London Health Sciences Centre

"My Lakehead experience is so much **more than a degree**. It is an adventure of building both independence and **lifelong friendships**; a journey of both **personal** and **professional growth**, while immersed in the natural world around us."

Where will your Lakehead degree take you?

EXCEPTIONAL ALUMNI,  
UNCONVENTIONAL CAREERS



**Quentin Evans**

HBSW '14

Community Impact Project Liaison,  
Centre for Changemaking and Social Innovation

"The wonderful knowledge being shared makes Lakehead a **great university**. The wonderful people who share it make Lakehead **unforgettable**."

Where will your Lakehead degree take you?



# NATURAL RESOURCES MANAGEMENT

We're more than trees. A **modern approach** to the stewardship of the **environment** – in an **unbeatable setting**.

At Lakehead, we believe Natural Resources Management is about people, science and technology, and applying natural and social sciences to the **management of the environment for the benefit of society**.

 Thunder Bay Campus

**100%**

**EMPLOYMENT RATE**

**Post Graduation**

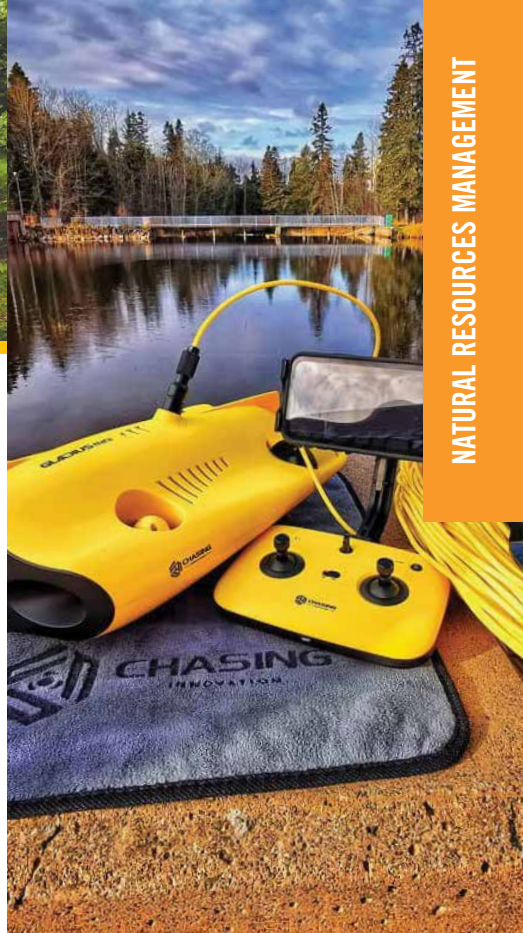
## Common First Two Years

Whether you are interested in the Honours Bachelor of Environmental Management (HBEM) or the Honours Bachelor of Science in Forestry (HBScF), you will follow a common curriculum for the first two years of your program. After the second year, you select one of six specializations for your program. Acquiring a broad understanding of the topics and issues surrounding natural resources management will enable you to better understand and pursue your areas of interest and ensure the best career path possible.

Stewardship allows for the sustainable extraction and utilization of products such as wood, biofuels, bioproducts, food, and natural medicines. Most forested landscapes in Ontario and Canada are publicly owned, and as such, are also important for recreational pursuits.

**Lakehead's programs will prepare you to take an active and responsible role in the stewardship and future sustainability of Canada's most important resources.**





## ENVIRONMENTAL MANAGEMENT

### Honours Bachelor of Environmental Management (HBEM); Specialization:

Conservation Planning and Management, Sustainable Land Use, Wildlife Conservation and Management

You will obtain a sound understanding of natural processes in environmental ecosystems, including a strong background in forest environments; communication skills in writing and speaking; and practical technical experience, including industry-standard geomatics tools, such as GIS and remote sensing. Your studies will allow you to understand and maintain the integrity of the fundamental natural processes that drive our world's ecosystems.

Delve deeper into the areas of Fish and Wildlife Conservation and Management, Conservation Planning and Management, or maximize your elective opportunities through a Sustainable Land Use option. Upon completion of the Wildlife Conservation and Management specialization, you will be eligible for accreditation as a Certified Wildlife Biologist by the Wildlife Society of America.

Our program provides you with a solid foundation aimed at making you not just well versed in current societal issues – based on science – but also employable due to our focus on technical skills development, communications and a comprehensive understanding of Crown Land management.

**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, Conservation Technician, Ecologist, Land Steward, Wildlife Biologist, Planning Specialist, Environmental Policy Analyst, Climate Research Analyst

**Sample Courses:** Business Principles; Forest Genetics; Photogrammetry/Remote Sensing; GIS in Management Planning; Fish and Wildlife Fundamentals; Restoration Ecology



## FORESTRY

### Honours Bachelor of Science in Forestry (HBScF); Specialization: Forest Health & Protection, Forest Management, Forest Products & Marketing

Through a specialization, you will delve deeper into 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 through advanced precision forestry optimization, GPS/GIS systems, 3-D visualization, remote sensing with satellite imagery and airborne systems including drone (UAV) technology, and genetic research. To round out your comprehensive learning, you will also learn urban forestry, pathology, entomology, forest industry and value-added practices, and more.

Our Forestry program is nationally accredited by the Canadian Forestry Accreditation Board (CFAB), which will provide you with the academic credentials to become a Registered Professional Forester (RPF) anywhere in Canada and the USA.

#### Unique Learning Opportunities:

Take your skills and passion across the world with the option to participate in at least one international field school excursion as well as 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:** Wildlife Ecologist, Fish & Wildlife Officer, Invasive Species Specialist, Conservation Specialist, Renewable Energy Consultant, Climate Change Analyst, Environmental Scientist, Urban Forester, Wildlife Biologist, Planning Specialist, Private Consultant

**Sample Courses:** Forest Disturbances; Forest Economics; Fire Ecology and Management; Wood Science; Forest Operations; Forest Entomology



#### Advanced Studies

- Master of Science in Forestry (MScF) - Thesis and Course-based options
- PhD in Forest Sciences

## EXCEPTIONAL ALUMNI, UNCONVENTIONAL CAREERS



### Stephanie Seymour

MScF '16  
Management Trainee -  
Ontario Power Generation



"Everywhere I went, I found a friendly face and support when I needed it. My Lakehead experience was exceptional."

Where will your Lakehead degree take you?



UNBEATABLE

On-Campus  
**NATURAL  
LABORATORIES**

# SCIENCE & ENVIRONMENTAL STUDIES

The perfect natural **laboratory** at our doorstep. **Learning – it's in our nature.**

Lakehead University's locations in Northwestern and Central Ontario present an ideal backdrop for your education in the disciplines of science and environmental studies.

Whether you are studying animal sciences, rocks and the earth's core, human evolution, forensics or water resources, you will be immersed in an enriched learning environment with smaller class sizes, invaluable fieldwork and laboratory work starting right in your first year, using sophisticated, state-of-the-art tools and equipment.

As an undergraduate student, you will 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. Our future scientists are currently exploring their research interests in areas such as invasive species, green chemistry, labelling cancer cells, and much more.

Our diverse range of science programs will prepare you to become a future scientist, ground-breaking researcher or lead you to a wide range of other career opportunities.

 Thunder Bay Campus  Orillia Campus  Lakehead-Georgian





## SCIENCE ONE

If you have an interest in science, or a passion for discovery, but are unsure which specific science program to choose, then Science One is right for you. Science One is a pathway for you to explore your broad interests.

Try courses from a mixture of different scientific and environmental disciplines by choosing one of five broadly defined themes: physical sciences, life sciences, geo-environmental sciences, science and policy, or science foundations. At the core of each option is a seminar course in which you will explore topics from a multidisciplinary approach exposing you to a variety of scientific fields and future career opportunities!

University is a time of exploration and it is okay to take your first year to discover your real passion. Experience learning at the university level across a variety of the science-based disciplines: Anthropology, Applied Life Sciences, Bioinformatics, Biology, Chemistry, Computer Science, Economics, Environmental Studies, Environmental Sustainability, Geoarchaeology, Geography, Geology, Mathematics, Physics and Water Resource Science.



## ANTHROPOLOGY

**Honours Bachelor of Science (HBS); Honours Bachelor of Arts (HBA); Honours Bachelor of Arts & Science (HBASc)[O]; Minor:** Anthropology, Archaeology, Biological Anthropology, Forensic Science, Socio-Cultural Anthropology [T]; **Concurrent Education:** Primary/Junior [T][O], Intermediate/Senior [T]

Anthropologists study humans and our ancestors from a mix of archaeological, biological, cognitive, linguistic, socio-cultural, and historical perspectives. Explore a range of topics, including human bio-cultural evolution and adaptations, the analysis of archaeological sites and artifacts, paleopathology, archaeological science, forensic anthropology, ancient DNA, and the variety of human cultures and societies.

Our courses blend in-class lectures with seminars, labs and field work to provide you with a well-rounded background in both the theoretical and practical applications of your area of interest. You will have access to world-class laboratories and anthropological collections which have contributed to groundbreaking findings and been utilized by some of the foremost leaders in the field. With small class sizes, you will participate in lab research and gain advanced training and experience.

**Unique Learning Opportunities:** Work with our internationally-renowned faculty on groundbreaking research and present your findings at national conferences. Many of our students have established themselves very early in their careers through these types of opportunities.

Field school training opportunities may be offered over the summer to provide hands-on experience in archaeological excavation, laboratory analysis, material culture identification, and mapping. These field schools typically take place in Northwestern Ontario; however, we have partnerships with organizations in Croatia, Israel and Italy.

**Career Paths:** Paleontologist, Forensic Scientist, Cross-Cultural Educator, Medical Anthropologist, Epidemiologist, Linguist, Foreign Service Officer, Archaeologist, Environmental Impact Analyst, Zoologist, Bioarchaeologist, Speech Pathologist

**Advanced Studies:** Master of Science (MSc) in Archaeological Science; Master of Environmental Studies (MES)

**Sample Courses:** World Cultures; Biology of Human Variation; Human Evolution; Tracing Human Migrations; Forensic Anthropology; Plagues and Peoples; DNA in Forensic Science



## APPLIED LIFE SCIENCES

**Honours Bachelor of Science (HBS); Honours Bachelor of Science with Specialization in Biomedical Techniques (Lakehead University)/ Biotechnology-Health diploma (Georgian College); Concentration [T]:** Biomedical Sciences; **Specialization [T]:** Biotechnology, Experimental Life Sciences

Explore the modern application of bio-molecular research in anthropology, biology, chemistry and physics. While experimenting with organic chemicals and exploring animal physiology, you will also have a chance to ponder optical physics and delve into human evolutionary studies. Examine the role of molecules in living organisms and the human manipulation of molecular biological processes. You will acquire skills in cutting edge molecular biology, biotechnology, and diagnostic methods in our world-renowned labs, including those at the Northern Ontario Medical School.

**Unique Learning Opportunities:** You will participate in Life Sciences research in cancer, immunology, biorefining and more. Take advantage of applying for the Summer School in Medical Imaging, or study abroad and receive credit towards your program requirements.

**Career Paths:** Microbiologist, Diagnostic Radiologist, Forensic Lab Analyst, Geneticist, Food Analyst, Biotechnical Engineer, X-Ray Technician, Mycologist, Quality Control Technician, Environmental Chemist, Biotechnology Patent Lawyer

**Advanced Studies:** Professional School in Medicine; Dentistry; Pharmacy or Veterinary Medicine; Master of Science (MSc) in Biology

**Sample Courses:** Molecular Genetics; Biofilms; Biotechnology; Pathogenic Bacteriology; Neurobiology; Parasitology; MRI Physics and Medical Applications; Cancer Biology; Biology of Human Variation



### Did You Know?

A combined degree-diploma program offered in Barrie and Orillia is another option that will allow you to graduate in 4 years with both an Honours Bachelor of Science in Applied Life Science degree from Lakehead University and a Biotechnology-Health diploma from Georgian College.

Learn more: [lakeheadgeorgian.ca](http://lakeheadgeorgian.ca)



## 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:** We are one of the very few universities in Canada that offers this program from year one. Whether designing a new life-saving drug, decoding a genome sequence or developing algorithms to analyze medical images, Bioinformaticians solve problems that arise from the analysis of biological data.

**Career Paths:** Medical Imager, Geneticist, Cellular Biologist, Microbiologist, Computer Scientist, Bioinformatician, Data Developer, Genome Analysis Technician, Computational Biologist, Biochemist

**Sample Courses:** Biotechnology; Molecular Genetics; Object Oriented Programming; Probability



## BIOLOGY

### Honours Bachelor of Science (HBSc); Honours Bachelor of Environmental Science (HBESc);

**Double Major:** Biology/Chemistry, Natural Science/Outdoor Recreation; **Major:** Biology, Natural Science; **Minor [T][O]; Concentration:** Animal Sciences, Plant Sciences, Biodiversity & Conservation, Neuroscience; **Concurrent Education:** Primary/Junior, Intermediate/Senior, Accelerated Education option

Satisfy your curiosity about structures and functions 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 and ecosystem recovery, aquatic ecotoxicology, environmental microbiology, biomass conversion, bio-refining, bioenergy, animal science and much more. Our location in the Boreal Forest makes Lakehead University the ideal institution to study Biology. Intensive local field trips and field schools take advantage of our natural surroundings and wildlife.

**Unique Learning Opportunities:** Diversify your studies with a double major in Biology and Chemistry, or focus your studies in specific areas of interest with concentrations in Animal Sciences, Plant Sciences, Neuroscience, or Biodiversity and Conservation. You will have access to Instrumentation Labs where you'll learn to operate the tools and equipment to conduct your own research and generate data. This practical knowledge gives you an advantage when applying to graduate or professional school or a science-based job.

**Career Paths:** Microbiologist, Medical Geneticist, Forensic Laboratory Analyst, Conservation Biologist, Environmental Health Officer; Biochemist, Botanist; Zoologist, Marine Biologist, Bioinformatics Specialist/Programmer, Operations Research Analyst

**Advanced Studies:** Master of Science (MSc); PhD in Biotechnology

**Sample Courses:** Animal Biology; Genetics; Human Internal Anatomy; Invertebrate Zoology; Forest Entomology; Evolution of Vertebrates; Conservation Biology; Biochemistry; Evolutionary Concepts; Mammalogy; Food Microbiology; Biostatistics



## CHEMISTRY

**Honours Bachelor of Science (HBSc); Double Major:** Biology/Chemistry; **Specialization:** Medical Sciences; **Concurrent Education:** Primary/Junior, Intermediate/Senior, Accelerated Education option

Examine the materials that make up our universe, the way in which bonds are formed between atoms, and the interactions of molecules. You will have the opportunity to explore specialty areas, including analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, physical chemistry, and polymer chemistry. Starting right in 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, providing you with the opportunity to investigate the biochemistry of biological systems and methods for detecting/imaging and designing treatments for disease.

**Unique Learning Opportunities:** Laboratory experiences are hands-on throughout the curriculum, and include traditional "wet" labs, instrumental analyses, and computational simulations and informatics. Try real cutting-edge primary research with the opportunity to work in a research lab with a professor for an eight-month project in the fourth year.

**Career Paths:** Pharmacist, Food Scientist, Pathologist, Geochemist, Art Conservator, Environmental Policy Advisor, Toxicologist, Water Purification Chemist, Nanotechnologist, Physician, Patent Agent, Pollution Control Technologist

**Advanced Studies:** Master of Science (MSc); PhD in Chemistry and Material Sciences

**Sample Courses:** Organic; Biochemistry; Inorganic; Polymer; Analytical; Environmental; Medicinal and Computational Chemistry; Genes and Genomics; Bioinformatics; Molecular Imaging; Cyclotron and Radiopharmaceuticals; Organometallics



EXCEPTIONAL ALUMNI,  
UNCONVENTIONAL CAREERS



### Shiv Naimpally

BSc (Mathematics) '79,  
BSc (Computer Science) '85

Patent Attorney, Muncy, Geissler, Old & Lowe, P.C.

"Many of the inventors for whom I write patent applications have commented on my ability to express complex technical topics in an easy to understand manner, something that I learned from one of my professors at Lakehead."

Where will your Lakehead degree take you?

## COMPUTER SCIENCE

**Honours Bachelor of Science (HBSc); Honours Bachelor of Science (Lakehead University)/ Computer Programmer diploma (Georgian College); Minor; Specialization:** Game Programming, Health Informatics

Computer science is changing our world and shaping its future. It plays a leading role in modern society, whether it is 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 in Business or Science. 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:** 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. A key component of our program is co-op, providing you with valuable hands-on work experience with companies that will allow you to explore and further develop your skill set.

**Career Paths:** Health Informatics Specialist, Web Developer, Webmaster, Computer Network Specialist, Game Developer, Information Specialist, Security Specialist, Mobile Application Developer

**Advanced Studies:** Master of Science (MSc) in Computer Science – Co-op option and Specialization in Artificial Intelligence options available

**Sample Courses:** Computer Graphics; Software Engineering; Operating Systems; Web Health Informatics; Big Data; Cloud Computing; Programming Languages; Game Programming; Algorithms; Artificial Intelligence; Cryptography



### Did You Know?

A combined degree-diploma program offered in Barrie and Orillia is another option that will allow you to graduate in 4 years with both an Honours Bachelor of Science in Computer Science degree from Lakehead University and a Computer Programming diploma from Georgian College.

Learn more: [lakeheadgeorgian.ca](http://lakeheadgeorgian.ca)



## ECONOMICS

**Honours Bachelor of Arts (HBA); Honours Bachelor of Science (HBSc); Bachelor of Arts (BA); Double Major:** Economics and: Mathematics, Political Science; **Major:** Economics, Resource and Environmental Economics; **Minor**

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 topics related to labour, natural resources, and industrial organization.

**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.

**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

**Advanced Studies:** Master of Arts in Economics (MA)

**Sample Courses:** Microeconomics; Macroeconomics: Environmental Economics; International Finance; Money and Banking; Public Finance; Industrial Organization; International Trade; Econometrics and Forecasting



## ENVIRONMENTAL STUDIES/SCIENCE

**Honours Bachelor of Environmental Science (HBESc); Honours Bachelor of Environmental Studies (HBES); Bachelor of Arts (BA); Major:** Biology, Earth Science, Geography; **Minor; Concurrent Education:** Primary/Junior, Intermediate/Senior

As human interference with the environment continues to grow, it is clear that environmental issues are essentially multidisciplinary in nature. In addition to the scientific exploration and inquiry involved in this discipline, you will examine socio-economic, cultural, and political factors that affect the environment in our Eco Canada nationally-accredited programs.

**Unique Learning Opportunities:** We offer both environmental studies and environmental science degrees with majors in Geography, Earth Science and Biology. All of these degree programs are accredited with ECO Canada, allowing you to earn the Environmental Professional designation.

**Career Paths:** Environmental Coordinator, Land Agent, GIS Specialist, Surveyor, Zoologist, Marine Biologist, Botanist, Ecologist, Cartographer, Land Surveyor, Conservation Officer

**Advanced Studies:** Master of Science (MSc) in Biology; Master of Environmental Studies (MES)

**Sample Courses:** Planet Earth; Environmental Philosophy; Fuel and Combustion Chemistry; Forest Ecology and Silvics; Climatology; Society, Culture and Nature





## ENVIRONMENTAL SUSTAINABILITY

**Honours Bachelor of Arts & Science (HBASc); Honours Bachelor of Arts & Science (HBASc) – Co-Op; Honours Bachelor of Arts & Science (Lakehead University)/Environmental Technician diploma (Georgian College);**

**Minor; Specialization:** Environmental Biotechnology; **Certificate; Concurrent Education:** Primary/Junior

Become an informed, environmentally conscious, and responsible citizen with excellent communication skills and problem-solving abilities. You will be prepared to meet the growing demands of interdisciplinary environmental practitioners related to Environmental Sustainability.

**Unique Learning Opportunities:** Our program has national accreditation with ECO Canada allowing you to earn the Environmental Professional designation. Offered at the Orillia campus, North America's first LEED® campus for environmental sustainability, it is the perfect location to enter this emerging field. We also offer a Co-op Education program if you are interested in gaining experience that surpasses typical fieldwork and research opportunities. A specialization in Environmental Biotechnology is also available.

**Career Paths:** Environmental Scientist, Conservation Technician, Ecologist, Land Steward, Wildlife Biologist, Environmental Policy Analyst

**Advanced Studies:** Master of Science in Biology (MSc), Master of Environmental Studies (MES)

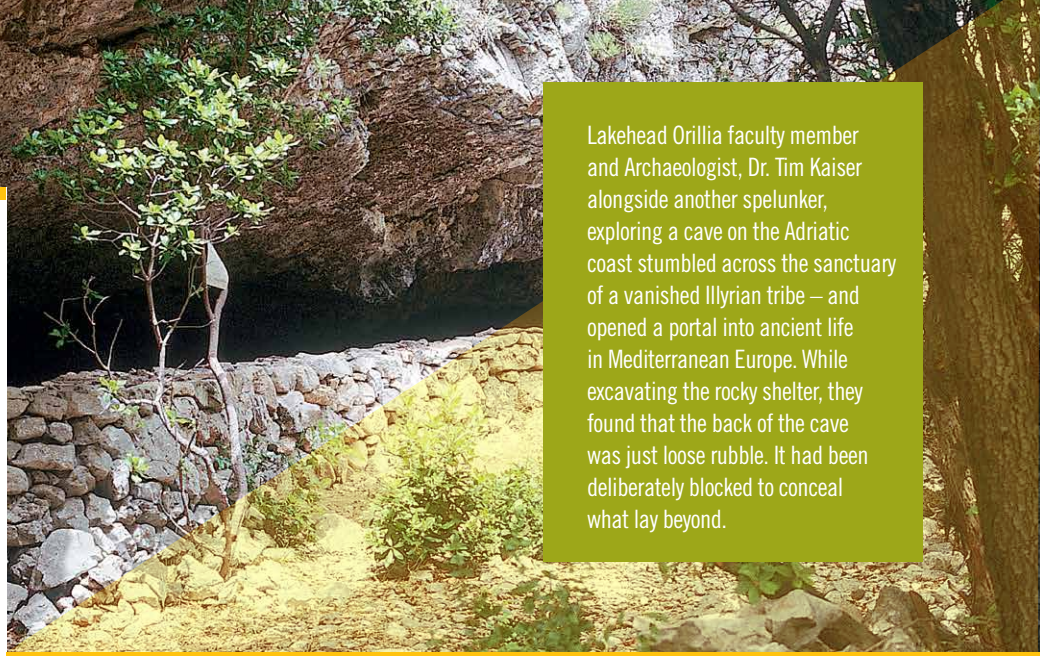
**Sample Courses:** Environmental Thought and Policy; Global Climate Change; Materials, Manufacturing and Waste; Environmental Conservation; Bioremediation; Freshwater Ecology; Applied & Environmental Microbiology



### Did You Know?

A combined degree-diploma program offered in Barrie and Orillia is another option that will allow you to graduate in 4 years with both an Honours Bachelor of Arts & Science in Environmental Sustainability (Ecosystem Management specialization) degree from Lakehead University and an Environmental Technician diploma from Georgian College.

Learn more: [lakeheadgeorgian.ca](http://lakeheadgeorgian.ca)



Lakehead Orillia faculty member and Archaeologist, Dr. Tim Kaiser alongside another spelunker, exploring a cave on the Adriatic coast stumbled across the sanctuary of a vanished Illyrian tribe – and opened a portal into ancient life in Mediterranean Europe. While excavating the rocky shelter, they found that the back of the cave was just loose rubble. It had been deliberately blocked to conceal what lay beyond.

## GENERAL SCIENCE

### Bachelor of Science (BSc); Major

The General Science program provides you with the opportunity to design your own science degree. Your future will not be bound by the constraints of disciplines. Your career may be one that does not yet exist. You get to discover what science at university really has to offer and choose the science courses that appeal to you.

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

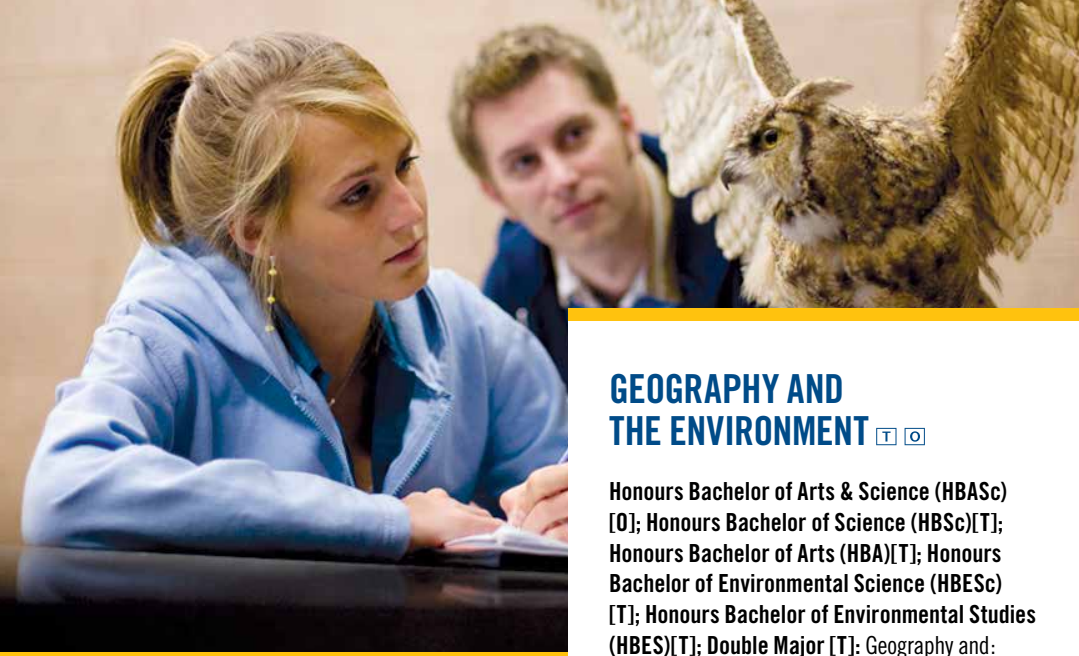
**Unique Learning Opportunities:** Participate in cutting-edge research on various topics including condensed matter, behavioural ecology, quantum-chemical exploration and DNA forensics.

**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

**Sample Courses:** Anthropology; Meteorology; Astronomy; Biology; Chemistry; Physics; Mathematical Sciences; Economics; Geography; Geology; Northern Studies; Water Resource Science







## GEOGRAPHY AND THE ENVIRONMENT

**Honours Bachelor of Arts & Science (HBASc) [O]; Honours Bachelor of Science (HBSc)[T]; Honours Bachelor of Arts (HBA)[T]; Honours Bachelor of Environmental Science (HBESc) [T]; Honours Bachelor of Environmental Studies (HBES)[T]; Double Major [T]:** Geography and: Outdoor Recreation; **Minor; Certificate [T]:** Geomatics; **Concurrent Education:** Primary/Junior [T][O], Intermediate/Senior [T]

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. You will develop a knowledge of the Earth's physical environments and analyze the interrelationship of social, economic, political, and cultural factors. Explore specialized studies in geomatics and mapping techniques, climate change and adaptation, community sustainability and well-being, 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 regional field camps and a Regional or International Field Study course that is available in your final year of study.

**Career Paths:** Cartographer, GIS Specialist, Aerial Photo Analyst, Habitat Researcher, Climatologist, Soil Conservationist, Ecologist, Urban Planner, Medical Geographer, Economic Development Officer

**Advanced Studies:** Master of Environmental Studies (MES)

**Sample Courses:** Map and Air Photo Interpretation; Geomatics and GIS; Climatology; Cartography; Glacial Systems; Fluvial Geomorphology; Resource Management and Sustainability; Urban Residential Structure; Remote Sensing



EXCEPTIONAL ALUMNI,  
UNCONVENTIONAL CAREERS

### Cody Avery

Minor HBASc '18  
Manager of Development,  
Water First



“Coming from a small town in Simcoe County, being able to go to a **smaller university** was important. I really enjoyed the atmosphere of Lakehead Orillia.”

Where will your Lakehead degree take you?

## GEOARCHAEOLOGY

### Honours Bachelor of Science (HBSc)

The program is a collaboration between the departments of Anthropology, Geography, and Geology, and focuses on applying the concepts and methods in these fields to interpret artifacts left behind by 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.

**Unique Learning Opportunities:** Our Geoarchaeology program is one of the few of its kind in North America. The Thunder Bay campus of Lakehead University is a ‘natural laboratory’ with ancient archaeological sites and remnant landforms spanning the last 10,000 years of geological history. Immerse yourself in the past through scientific training in the field, access to cutting-edge laboratory facilities, and research collaborations with faculty members.

**Career Paths:** Archaeologist, Geologist, Palaeontologist, Volcanologist, Geographer, Climatologist, Surveyor, Urban Planner, Quaternary Scientist

**Advanced Studies:** Master of Science (MSc) in Archaeological Science

**Sample Courses:** World Cultures; Biology of Human Variation; Forensic Anthropology; DNA in Forensic Science; Material Culture; Mineralogy; Geochemistry; Field Mapping; The Earth and Life Through Time; Soil Science; Map and Air Photo Interpretation; Geomatics and GIS; Cartography; Remote Sensing







## INDIGENOUS STEM ACCESS PROGRAM

Indigenous STEM (Science, Technology, Engineering & Mathematics) Access Program is an eight-month, full time program designed for Indigenous people who wish to attend university but do not meet the admission requirements. You will develop your academic skills and knowledge in a culturally-sensitive and friendly environment while taking courses in English, Math, Chemistry, Academic Skills, as well as electives of your choice. Upon successful completion of this program, you may pursue an undergraduate degree in many of the Science programs at Lakehead University.

## MATHEMATICS

**Honours Bachelor of Science (HBSc); Honours Bachelor of Arts (HBA); Double Major:** Mathematics and: Physics, Economics; **Minor; Concurrent Education:** Primary/Junior, Intermediate/Senior

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:** Economist, Financial Investment Analyst, Statistician, Teacher, Market Research Analyst, Accountant, Underwriter, Public Health Statistician, Cryptographer, Physicist

**Advanced Studies:** Master of Science (MSc)

**Sample Courses:** Functions and Trigonometry; Vectors and Matrices; Sequences and Series; Calculus; Discrete Mathematics; Logic, Set Theory, and Proofs; Differential Equations; Abstract Algebra; Probability and Statistics; Numerical Analysis and Computing; Cryptology



## GEOLOGY

**Honours Bachelor of Science (HBSc); Honours Bachelor of Environmental Science (HBESc); Major:** Geology, Earth Science; **Minor; Concurrent Education:** Primary/Junior, Intermediate/Senior

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 and hydrosphere, its history and life. Examine modern processes as they are occurring on the surface and in the interior of the Earth, volcanic and earthquake hazards and the formation of ore deposits. Fieldwork is an important component of geology, which means you will participate in two field schools during your program. 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 and give you practical training that is highly valued by the industry from day one.

**Career Paths:** Exploration Geologist, Environmental Geoscientist, Economic Geologist, Geochemist, Geophysicist, Mineralogist, Palaeontologist, Seismologist, Volcanologist

**Advanced Studies:** Master of Science (MSc) in Geology

**Sample Courses:** Planet Earth; Mineralogy; Geochemistry; Field Mapping; The Earth and Life Through Time; Glacial Systems; Metamorphism; Tectonics; Soil Science; Igneous Petrology





## PHYSICS

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

**Double Major:** Physics and: Mathematics; **Major:** Mathematical Physics, Physics; **Concentration:** Biomedical Physics; **Concurrent Education:** Primary/Junior, Intermediate/Senior

Physics is the most fundamental natural science. Through experiment and by using the language of mathematics, you will attempt to uncover the laws of nature and understand how the world works at the deepest level. Whether it is imaging galaxies or imaging tumors, looking at the quantum world or protein dynamics, physics is the key to unlocking these universes.

You will be exposed to cutting-edge knowledge in a variety of fields in physics including condensed matter, lasers and optical physics, nanotechnology, materials science, medical imaging and mathematical physics to equip you well with the knowledge 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 Thunder Bay Regional Health Research Institute providing you with access to state-of-the-art biomedical imaging devices, such as a Magnetic Resonance Imaging (MRI) scanner, and a facility for medical imaging detectors 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.

**Career Paths:** Physicist, Biophysicist, Geophysicist, Nanotechnologist, Chemical Technologist, Astronomer, Aerospace Engineer, Optical Technician, Radiologist, Environmental Scientist, Meteorologist, Biomedical Engineer, Atmospheric Scientist, Robotics Technician, Data Analysis, IT Consultant, Medical Physicist

**Advanced Studies:** Master of Science (MSc); PhD in Biotechnology; PhD in Chemistry & Material Sciences

**Sample Courses:** Modern Physics; Thermodynamics; Electricity and Magnetism; Optics; Observational Astronomy; Quantum Mechanics; Fibre Optic Communications; Relativity; Nuclear Physics; Introduction to Medical Physics; Meteorology.



## WATER RESOURCE SCIENCE

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

**Specialization:** Applied Environmental Water Management

Water quality and adequate supplies of fresh water 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 Resources. We also offer an applied program in partnership with Confederation College, in which students graduate with a degree and 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, Hydrological Engineer, Watershed Manager, Environmental Consultant, Environmental Programs Manager, Geomatics, Fisheries, Limnology, Public Works Manager

**Advanced Studies:** Master of Science (MSc) in Biology; Master of Environmental Studies (MES); Master of Science (MSc) in Geology

**Sample Courses:** Environmental Field School; Limnology; Biology of Fishes; Groundwater; Environmental Biology; Geomatics and GIS; Geomorphology; Resource Management and Sustainability; Glacial Systems; Depositional Environments; Soil Sciences; Fluvial Geomorphology; Remote Sensing



EXCEPTIONAL ALUMNI,  
UNCONVENTIONAL CAREERS

SCIENCE & ENVIRONMENTAL STUDIES

### Larissa Mikkelsen

HBSc '07, MSc (Geology) '12

President/Environmental Scientist, LBS Environmental Consulting Inc.



“Lakehead University gave me the knowledge, hands on experience and opportunities needed to succeed in environmental consulting. The interdisciplinary Water Resource Science program taught me the western science perspective on the interconnectedness of natural freshwater environments that now helps me understand and communicate the science hidden within indigenous knowledge.”

Where will your Lakehead degree take you?



# SOCIAL SCIENCES & HUMANITIES

**Make a difference.**



Be the **change** you want to see in the **world**.

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

**You will thrive in our dynamic and vibrant learning environment, with small class sizes and award-winning faculty who know your name.**

Explore the diversity of human experience across time and place, and investigate the ways in which meaning is made, how our worldviews are represented, and how new ideas take hold and shape us and our world. In the Social Sciences and Humanities we explore those large and enduring questions related to the ways in which human beings think and behave, how they interact with each other and their environment, and how they communicate ideas about human experience through arts, literature, and music, in addition to a rich range of research topics. Lakehead is Canada's #1 smaller university for Social Sciences and Humanities Research, and offers you the opportunity to gain experiences that combine academic studies with community-based and hands-on learning through a social justice lens.

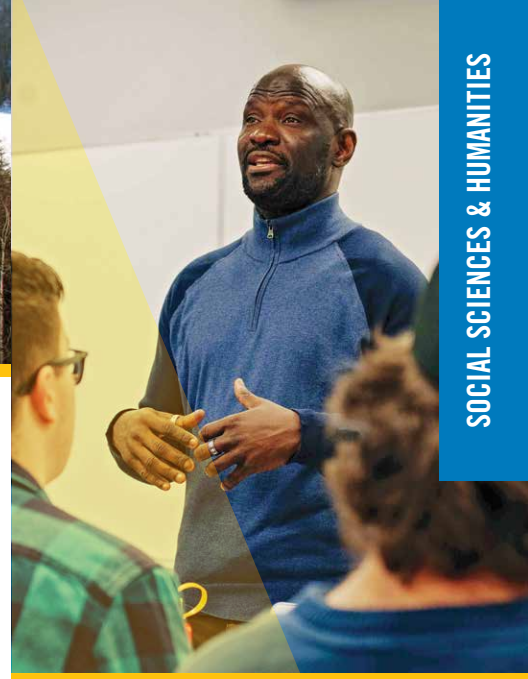
**Our graduates are ready to make a difference in the arts, health, technology, and so much more.**

 Thunder Bay Campus  Orillia Campus

## Arts One

Try out a mix of different courses without being worried about making the perfect choice right on day one. Arts One will allow you to begin your first year of studies without having to select a major until the end of your first year. Experience a blend of courses from across a variety of the arts-based disciplines in areas such as English, History, Philosophy or Political Science, to name a few. Meet with an advisor who will help you discover your interests and career goals, and majors that suit your aspirations.





## ENGLISH

**Honours Bachelor of Arts (HBA); Honours Bachelor of Arts & Science (HBASc) [O]; Double Major [T]:** English and: French, History, Philosophy, Gender and Women's Studies; **Minor:** Writing; **Specialization:** Writing; **Certificate:** Writing; **Concurrent Education:** Primary/Junior [T][O], Intermediate/Senior [T], Accelerated Education option

English is not just about books. Discover the world's diverse cultures and the contexts in which we live our lives through a detailed study of literature, language and culture. Explore different types of literature, as well as film and popular culture; study the history of literature and literacy and cultural theory; and examine a wide range of texts from different historical periods, genres, media, and literary traditions. English is a flexible degree that will help you develop writing, 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. Our unique writing specialization provides all the benefits of an English degree while offering training in both creative and professional writing, preparing you to spread your artistic wings and enter the workplace. Our "Life Writing" course will give you an opportunity to connect with your community, learn about, and share a person's "Life Story" by putting it in writing. Our "Adventure Writing" course gives you the opportunity to experience a week-long dog-sled expedition and write about your experiences. Research opportunities are integrated throughout the degree program.

**Career Paths:** Teacher, Journalist, Grant Writer, Editor, Public Relations Officer, Copywriter, Advertising Executive, Broadcaster, Social Media Director, Business & Policy Analyst, Lawyer

**Advanced Studies:** Graduate Studies in English or other Arts/Humanities, Education, Library Science; Law School

**Sample Courses:** Professional Writing; Popular Culture; Film Studies; Shakespeare; Indigenous Literature in Canada; Children's Literature; Creative Writing; Science Fiction; Gender, Sexuality & the Body in Literature and Culture



## CRIMINOLOGY

**Honours Bachelor of Arts & Science (HBASc); Minor** Examine the causes and effects of crime and criminal behaviour on individuals and society as a whole. 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, there are three key 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 and the scientific analysis of physical evidence as well as the role of forensic science in criminal justice proceedings.

**Career Paths:** Police Officer, Border Services Superintendent, Crime Analyst, Parole Officer, Justice Administrator, Social Worker, Social Policy Analyst, Victim Services Coordinator, Offender Rehabilitation Specialist

**Advanced Studies:** Law School; Teacher Education; 1-Year Social Work; Graduate School

**Sample Courses:** Cybercrime; Youth Crime & Justice; Forensic Psychology; Criminal Profiling; Policing; Death Investigation; Violence & Crime



## GENERAL ARTS

### Bachelor of Arts (BA)

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 thirteen departments within the Faculty of Social Sciences & Humanities from which to choose your courses.

**Career Paths:** Journalist, Community Engagement Coordinator, Translator, Curator, Public Policy Analyst, Marketing Specialist, Advertising Coordinator, Researcher, Media Buyer, Tour Guide, Lobbyist

**Sample Courses:** Criminology; English; History; Indigenous Learning; Languages; Music; Media, Film and Communications; Outdoor Recreation, Parks and Tourism; Philosophy; Political Science; Sociology; Visual Arts; Gender and Women's Studies



### Brent Hawley BA '01

Director of Development,  
Ironman Foundation



"I moved from the GTA to escape the noise of the city and go to a university where I would know my student body, be able to get involved and have an enriching university life. Lakehead did all of that and so much more for me."

Where will your Lakehead degree take you?





## HISTORY

**Honours Bachelor of Arts (HBA); Bachelor of Arts (BA)\*; Double Major [T]:** History and: English, French, Philosophy, Political Science, Sociology, Gender and Women's Studies, Outdoor Recreation; **Minor; Specialization:** Public History [T], Military History; **Certificate [T]:** Public History; **Concurrent Education:** Primary/Junior [T][O], Intermediate/Senior [T], Accelerated Education option

\*Program fully available online.

According to Cicero, "History is the witness that testifies to the passing of time; it illuminates reality, vitalizes memory, provides guidance in daily life." Our programs are designed for you to become actively engaged in learning about our shared understanding of past events. Your exploration will encompass all aspects of the human experience in all parts of the world, including such fields as Canadian, European, American, African, Latin American, and South Asian History. The study of History encompasses all aspects of human experience, from wars to celebrity culture, and is constantly evolving as our knowledge and perspectives advance. Studies show that history graduates are in high-demand in the workplace, particularly in business and the tech sectors.

**Unique Learning Opportunities:** Community-centred placement opportunities in any history or heritage-related organization allows you to supplement and complement your studies with practical work experience such as paid work on museum exhibitions and documentary films. Through our Peer Mentorship Program, pair up with an upper-year student to help you through your studies, and return by becoming a mentor in the future.

**Career Paths:** Archivist, Community Engagement Officer, Editor, Public Policy Analyst, Public Service, Historical Projects Coordinator, Heritage Officer, Journalist, Lawyer, Librarian, Museum Curator, Teacher

**Advanced Studies:** Graduate Studies in History and other Social Sciences and Humanities; Education; Law School

**Sample Courses:** The Making of the Modern World; Modern Europe; World War I and II; The Hitler State; The Holocaust; History of Sport; Military History; Popular Culture; Africa since 1400



## INDIGENOUS LEARNING

**Honours Bachelor of Arts (HBA); Double Major:** Indigenous Learning and: Philosophy, Gender and Women's Studies; **Minor [T][O]; Specialization:** Aboriginal Law, Governance, Community Development, Health and Well-Being and Gender Relations; **Certificate; Concurrent Education:** Intermediate/Senior

Develop a broad-based understanding of the life experiences of Indigenous peoples. Gain insights into the integral place of oral testimony, material culture, and language within the social settings of Indigenous peoples. Armed with the analytical skills that come from survey construction, census analysis, archival research, the perusal of government records, and an appreciation and understanding of the Indigenous community, Indigenous Learning students are well suited to confront the realities of a post-university life.

**Unique Learning Opportunities:** Working with art, print, film and videos, you will not only document Indigenous imagery but also consider how the image reflects the realities of the Indigenous community. Unlike similar programs across Canada, our program focuses on the present reality of the Indigenous community rather than taking an anthropological or historical approach to the same.

**Career Paths:** Teacher, Community/Economic Development Officer, City Councillor, Doctor, Social Worker, Nurse, Translator, Journalist, Lawyer, First Nations Chief, Education Coordinator, Housing Officer

**Sample Courses:** Indigenous Imagery; Indigenous Health Philosophy; Indigenous Resilience and Resurgence; Aboriginal Peoples and the Law; Indigenous Narratives, Myths, Legends, and Ceremonies; Contemporary Health Issues



## INTERDISCIPLINARY STUDIES

**Honours Bachelor of Arts & Science (HBASc); Concentrations:** Environment in Politics & Culture, Human Nature, International Conflict & Human Rights, Social Justice; **Concurrent Education:** Primary/Junior

How do we prepare for a future that we cannot see? How do we prepare for careers that do not yet have a name? The answer: Interdisciplinary Studies. Our Interdisciplinary Studies program allows you to build multi-disciplinary knowledge while engaging intersectional problems. Develop your critical-thinking skills and problem-solving strategies via innovative inquiry courses.

**Unique Learning Opportunities:** Join any two disciplines together to customize your education based on what interests you, while becoming aware of a much wider horizon. Choose two disciplines from: Anthropology, Biology, Criminology, English, Geography, General Science, History, Media, Film and Communications, Political Science, Psychology and Sociology. Interdisciplinary concentrations are also available in: Environment in Politics & Culture; International Conflict & Human Rights; Human Nature; Social Justice.

**Career Paths:** Anthropologist, Historian, Researcher, Conservation Officer, Journalist, Biochemist, Public Relations Officer, Lobbyist, Psychologist, Teacher, Policy Analyst, Ecologist, Manager

**Advanced Studies:** With the option to focus intently on a chosen disciplinary or interdisciplinary areas, you will be well prepared to pursue professional schools or graduate studies related to a particular topic you explore.

**Sample Courses:** Social Justice; Human Nature; Environment in Politics and Culture; International Conflict and Human Rights; Research in Criminology





## LANGUAGES

**Honours Bachelor of Arts (HBA); Double Major:** French and: English, History, Philosophy; **Minor:** French, Native Languages; **Certificate:** French Proficiency – Basic, Intermediate, Advanced; International Languages; Aboriginal Languages Specialist; **Concurrent Education:** Primary/Junior, Intermediate/Senior

Learning languages allows you to enjoy different cultural perspectives, worldviews, and 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, Ojibwe, Cree, Mandarin, and the Classics. You can specifically major in French, combine French with another major, or even study French concurrently with Education to qualify you 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.

**Unique Learning Opportunities:** Supplement your academics with French immersion experiences including: Summer employment and immersion courses in Quebec, or English teaching. 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



## MEDIA, FILM AND COMMUNICATIONS

**Honours Bachelor of Arts & Science (HBASc); Minor**

Are you creative yet determined to achieve a practical degree? Do you spend all your time on digital media? Media, Film and 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

**Sample Courses:** Video Production; Documentary Film, Cinematography; Sound Production & Post-Production; Visual Media; Alternative New Media; Computer Art; Photography Studies; Sexuality in Media; Crime, Media, Culture; Anti-Racist & Indigenous Media; Surveillance & Society



## MUSIC

**Honours Bachelor of Music (HBMus); Honours Bachelor of Arts (HBA); Minor; Certificate:** Performance and Pedagogy; **Concurrent Education:** Primary/Junior, Senior/Intermediate

Develop your performance skills and deepen your awareness and understanding of music theory, composition, and music history at Lakehead. Select any of the orchestral instruments to study or choose from saxophone, classical guitar, piano, organ, or voice. Your study of music will enrich you intellectually and challenge you as a creative and performing artist, music teacher and scholar.

It is our goal to develop your talent as both a soloist and a collaborative musician, and cultivate your creativity by exposing you to diverse musical genres, traditions, and innovations.

**Unique Learning Opportunities:** Become highly involved in the local community music scene with performance opportunities with the Thunder Bay Symphony Orchestra and participate in the Thunder Bay Symphony Youth Orchestra. On campus, enjoy facilities built for musicians including a recital hall, music library, smart classrooms and teaching studios.

**Career Paths:** Professional Musician, Accompanist, Choral Director, Conductor, Music Teacher, Vocal Coach, Musicologist, Arts Administrator, Audio Engineer

**Sample Courses:** Music History; Musicianship; Theory of Music; Performance; Percussion Techniques; Jazz; Chamber Choir; World Music; Conducting; Piano Pedagogy and Teaching Techniques; Composition; Orchestration



EXCEPTIONAL ALUMNI,  
UNCONVENTIONAL CAREERS

### David Bruno

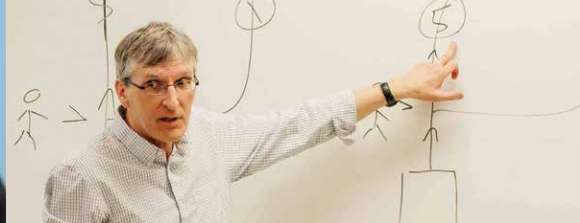
HBA (Pol Sci) '98  
Co-Chief Executive Officer, SafeSwiss



"There was no better education throughout my scholastic career than what I experienced at Lakehead. It set the groundwork for how I would attack life and learning going forward. All in all I can truly say that Lakehead prepared me for the rest of my life, and for that I am forever grateful."

Where will your Lakehead degree take you?





## OUTDOOR RECREATION, PARKS & TOURISM

**Honours Bachelor of Outdoor Recreation (HBOR); Double Degree:** Outdoor Recreation and: Geography, History, Natural Science, Gender and Women's Studies; **Concentration:** Nature-based Therapeutic Recreation; **Concurrent Education:** Primary/Junior, Intermediate/Senior

One of a kind in Canada. Lakehead offers you a unique integration of theoretical and applied perspectives related to the study of outdoor recreation and leisure pursuits in natural environments. Outdoor recreation is playing an increasingly important role in our contemporary lives. It contributes to health and fitness, friendship, personal reflection, enrichment of culture, and appreciation of natural environments, and is a key element in economic development and environmental protection.

**Unique Learning Opportunities:** From Lake Superior to Wabakimi Provincial Park, our program takes advantage of the unique terrain and natural resources in our region. With hills, rivers, lakes and trails at our doorstep, along with the best that the four seasons can provide, our region offers ideal outdoor learning environments filled with unconventional opportunities that include world-class cross-country skiing, kayaking, hiking, and wildlife viewing. Through partnerships with various community groups, professional organizations, businesses and agencies, we provide a variety of engaged learning experiences that are transformative to help you become the best you can be.

**Career Paths:** Tourism Development and Planning Officer, Small Business Owner, Outdoor/Field Instructor, Adventure Guide, Interpretive Programmer, Municipal Recreation Manager, Outdoor Education Coordinator, Conservation Officer, Parks Manager, Youth Camp Director, Primary/Secondary Teacher

**Sample Courses:** Group Dynamics; Land Relations; Outdoor Skills and Theory; Natural Areas and Tourism; Expedition Management; Outdoor Adventure Leadership; Risk Management; Field Explorations; Interpretation and Guiding; Inclusive and Special Recreation; Tourism Entrepreneurship; Indigenous Tourism; Ethics and Justice in Travel; Climate Change and Sustainability in Tourism and Recreation



## INDIGENOUS TRANSITION YEAR PROGRAM

The Indigenous Transition Year Program is an eight-month, full time program designed for Indigenous people who wish to attend university but do not meet the admission requirements. You will develop your academic skills and knowledge in a culturally-sensitive and friendly environment while taking courses in English, Math, Science, Indigenous Learning and University Transitions.

Upon successful completion of this program, you may pursue an undergraduate degree at Lakehead University.

## PHILOSOPHY

**Honours Bachelor of Arts (HBA); Double Major:** Philosophy and: English, French, History, Indigenous Learning, Political Science, Psychology; **Minor:** Applied Ethics, Philosophy; **Concurrent Education:** Primary/Junior

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.

**Sample Courses:** Philosophy of the Occult and Paranormal; Popular Culture; The Human Condition; Existentialism and Phenomenology; Ancient Greek Philosophy; Logic; Defence Against the Dark Arts; Biomedical Ethics; Business Ethics; Asian Philosophy; Cyberethics



## POLITICAL SCIENCE/ PRE-LAW

**Honours Bachelor of Arts (HBA); Double Major [T]:** Political Science and: Economics, History, Philosophy, Gender and Women's Studies; **Major:** Political Science, Pre-Law [T]; **Minor:** Political Science, International Politics

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, Diplomat, Economic Development Officer, Social Policy Program Officer, Lawyer, Market Analyst, Business Consultant, Public Relations Specialist, Press Officer

**Sample Courses:** Gender and Politics; Criminal Law; Human Rights and Civil Liberties; Mass Media and Politics; International Law; Global Terrorism; Environmental Policy; Political Tactics; Aboriginal Peoples and the Law; Foreign Policies of Major Powers

**Advanced Studies:** Law School





## SOCIOLOGY

**Honours Bachelor of Arts (HBA); Double Major [T]:** Sociology and: History, Gender and Women's Studies; **Minor; Concurrent Education [T]:** Primary/Junior

Study all aspects of human group life, ranging from personal relationships to the impersonal forces that operate on national and global levels. You will learn theoretical perspectives and research methods to help understand and study the social world.

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 an excellent foundation for law school, medical school, journalism, education, and other highly marketable post-graduate options.

**Unique Learning Opportunities:** Research and 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 in order to better understand social patterns, behaviours, and issues.

**Career Paths:** Child & Youth Worker, Counsellor, Child Development Worker, Education Policy Analyst, School Counsellor, Family Court Support Worker, Probation Officer, Police Officer

**Sample Courses:** Crime and Society; Sociology of Law; Media, Culture, and Society; Sociology of Health and Illness; Sociology of Violence; Environmental Sociology; Food, Culture, and Society; Sociology of the North



## VISUAL ARTS

**Honours Bachelor of Fine Arts (HBFA); Bachelor of Arts (BA); Minor:** Art History, Ceramics, Drawing, Painting, Printmaking, Sculpture; **Concurrent Education:** Primary/Junior, Intermediate/Senior

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

**Unique Learning Opportunities:** Our small size allows focus on you as an individual artist and personal attention within the studio class setting. Attend a field trip each year to visit museums and galleries to supplement 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, Urban Designer, Curator, Exhibit Designer, Arts Administrator, Museum Merchandiser, Graphic Designer, Media Coordinator, Art Therapist, Media Specialist, Curriculum Specialist

**Sample Courses:** Painting; Drawing; Sculpture; Ceramics; Printmaking; Art History; 20th Century Art; Computer Art; Digital Image Making; Professional Practices/CV and Portfolio; Learning to Exhibit your Work



## GENDER AND WOMEN'S STUDIES

**Honours Bachelor of Arts (HBA); Double Major:** Gender and Women's Studies and: English, History, Indigenous Learning, Political Science, Psychology, Sociology; **Minor; Specialization:** Social Work; **Concentration:** Social Work; **Concurrent Education:** Primary/Junior

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 with a focus on how the intersection of gender, race, class, ethnicity, sexuality, ability and age produce multiple lived experiences, through topics in law, social policy, sociology, psychology, education, cultural studies, literature, history, and more. This understanding of diversity is now the required type of diversity training for Public Sector workers in Ontario.

**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

**Sample Courses:** Madonna to Madonna: Women's and Gender Studies; Women, Popular Culture, and Counterculture; Ecofeminism; Housewives, Radicals, and Gender-Blenders; Queer Studies





## NON-DIRECT ENTRY FACULTIES - THUNDER BAY CAMPUS

# LAW

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

At Lakehead, we provide 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 requiring articles of clerkship.

The Bora Laskin 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
- ▶ Small Firm and Solo Practice with the Integrated Practice Curriculum (IPC)

Connect with us at: [law.lakeheadu.ca](http://law.lakeheadu.ca)

# MEDICINE

A medical school like no other. Born of  
a grassroots movement by Northern  
Ontarians in need of health professionals.

NOSM's Faculty of Medicine is one of the ten faculties of Lakehead University. At NOSM, you will experience small class sizes, supportive faculty and staff, and the cultural immersion and research opportunities that define our internationally recognized MD program. Your learning journey will demonstrate the joys and challenges of practising in the North.

As a NOSM learner, you will live and learn in some of the 90 communities across NOSM's wider campus of Northern Ontario. Beginning in the first week of school, you will discover the health-care needs of people in the North, including Indigenous, Francophone, rural, and remote populations. Your education will incorporate interactive and virtual learning experiences, the determinants of health that are relevant to the North, a diverse learning and research community, with an emphasis on social accountability.

NOSM offers the following academic programs:

- ▶ MD Program
- ▶ Postgraduate Medical Education
- ▶ Northern Ontario Dietetic Internship Program
- ▶ Physician Assistant Program

Connect with us at: [nosm.ca](http://nosm.ca)

# LAKEHEAD-GEORGIAN DEGREE+DIPLOMA

Innovative, four-year combined **degree-diploma programs** incorporate the best of **academic scholarship** and **practical skills**.



The **Lakehead-Georgian Partnership** is a collaboration between Lakehead University and Georgian College. Our **one-of-a-kind programs** offer you the opportunity to earn a **university degree** and a **college diploma** in four years of full-time study.

**Small class sizes. Hands-on learning. Workplace experience. Industry connections.** Everything you need to launch a **successful career**. **Experience the best of both worlds.**

## COMPUTER SCIENCE<sup>2\*</sup> LG

### Honours Bachelor of Science Degree in Computer Science + Computer Programming Diploma

Think big as you explore the world of computer science. Master the technology that is rapidly revolutionizing our world. Students will have opportunities to develop advanced analytical, programming and software development skills, and participate in our co-operative education program to gain rewarding industry experience. First-year courses include Programming Fundamentals, Introduction to Entrepreneurship, Introduction to Object Oriented Programming using Java, Client-Side JavaScript, Introduction to Web Programming using PHP, and more.

## APPLIED LIFE SCIENCES<sup>2</sup> LG

### Honours Bachelor of Science Degree in Applied Life Sciences (Specialization in Biomedical Techniques) + Biotechnology-Health Diploma

Prepare for a career in biotechnology, forensics, diagnostic laboratories, or the health sector. You'll explore diverse topics to understand the extent of biological diversity at the molecular level and develop critical thinking skills with respect to modern life science. Our focus on the practical application of your skills provides you with valuable laboratory and data analysis training. First-year courses include Animal Biology, Chemistry, Human Physiology, and Biomedical Laboratory, and more.

\*Includes two co-op work terms \*\*Optional 16-month co-op work term after third year

## ELECTRICAL ENGINEERING<sup>1\*\*</sup> LG

### Bachelor of Engineering (Electrical) Degree + Electrical Engineering Technology Advanced Diploma

Central Ontario's only innovative four-year engineering program provides you with a solid foundation across all areas of electrical engineering. Gain valuable theoretical knowledge, practical engineering and applied technology skills. You will participate in team-based learning opportunities, including projects and presentations, hands-on laboratories, and a senior design project. First-year courses include Electric Circuit Theory, Chemistry, Computer Programming, Calculus, Physics, and Introduction to Engineering Design.

## ENVIRONMENTAL SUSTAINABILITY<sup>2</sup> LG

### Honours Bachelor of Arts and Science – Environmental Sustainability (Specialization in Ecosystem Management) Degree + Environmental Technician Diploma

Learn to tackle emerging environmental challenges and explore sustainable solutions - essential to creating a greener future. Graduate with advanced lab and field skills that will allow you to meet and adapt to the growing demands of this sector. First-year courses include Plant Biology, Canadian Forest Plant Species, Computer Technology for Environmental Applications, Environmental Law and Policy, Animal Biology, and more.

1 - Years 1-4 Georgian College, Barrie Campus

2 - Years 1-2 Georgian College, Barrie Campus / Years 3-4 Lakehead University, Orillia Campus

LG Lakehead-Georgian Partnership



**Lakehead**  
UNIVERSITY



**Georgian**



**engineerscanada**  
**ingénieurscanada**

All Bachelor of Engineering degree programs offered at Lakehead University are accredited by **The Canadian Engineering Accreditation Board (CEAB)**.

[lakeheadgeorgian.ca](http://lakeheadgeorgian.ca)



# STUDENT SUPPORT

Our supportive and **student-centred philosophy** gives you the **highest potential for success**. You matter to us and **we are here to help you** from your first days as a new student right through to graduation.



## SERVICES FOR ALL STUDENTS

### ACADEMIC SUCCESS

- ▶ Unlimited Group Tutoring
- ▶ Academic Advising & Support
- ▶ Student Success Advising
- ▶ Tutoring & Peer-Assisted Learning
- ▶ Writing Supports
- ▶ Registration Assistance & Course Planning
- ▶ Library
- ▶ Student Accessibility Services
- ▶ Assistive Technology

### STUDENT ACCESSIBILITY SERVICES

- ▶ Academic accommodations for individuals with temporary and/or permanent disabilities/medical conditions

### CAREER PLANNING

- ▶ Career Counselling
- ▶ Resume Writing & Interview Preparation Skills Development
- ▶ Job Bank
- ▶ Co-operative Education Services
- ▶ Job & Employment Fairs
- ▶ On-Campus Job Opportunities
- ▶ Leadership Development
- ▶ Co-Curricular Record

### FINANCIAL

- ▶ Financial Planning & Budgeting Support
- ▶ Scholarships, Bursaries & Awards
- ▶ OSAP Assistance
- ▶ Online Tuition Payment

### FIRST-YEAR EXPERIENCE

- ▶ Orientation
- ▶ Student Ambassador Program
- ▶ First-Year Seminar Courses
- ▶ Peer Mentor Program

### MORE SUPPORTS

- ▶ Daycare (Thunder Bay)
- ▶ Off-Campus Housing
- ▶ Food Bank
- ▶ Ombudsperson
- ▶ Security Services...And More!

Explore more here:







## WELCOME TO STUDENT CENTRAL

Whether you are a new student arriving to campus for the first time, getting ready to graduate or anything in between, Student Central provides you with a more convenient way to conduct your business and access support in one central location. Here you will be able to access everything you need - from enrolling at Lakehead through to course registration, financial support, academic advising and so much more. Our dedicated, cross-trained Student Central Professionals are able to solve issues from start to finish with improved consistency of service and answers. This holistic approach allows us to focus on you!

Connect with us at [studentcentral@lakeheadu.ca](mailto:studentcentral@lakeheadu.ca)



## MEET THE STUDENT SUCCESS CENTRE

The Student Success Centre has many programs and support services in place to help you achieve your academic and personal goals while studying at Lakehead University. We coordinate new student orientation, provide academic support through tutoring and writing services, and offer career services, co-operative education opportunities and leadership development. Learn success strategies for reading and note taking, study skills, exam preparation, resume and cover letter, job searching, networking and much more. Join our events throughout the year to connect with the Lakehead community!

Connect with us at:

Thunder Bay: [ssc@lakeheadu.ca](mailto:ssc@lakeheadu.ca) Orillia: [orillia.ssc@lakeheadu.ca](mailto:orillia.ssc@lakeheadu.ca)

# STUDENT HEALTH AND WELLNESS



Student Health and Wellness provides a range of counselling options, health services, and wellness programs so that you can get the most out of your Lakehead Experience. Student Health and Wellness is an environment that facilitates physical, emotional, intellectual and spiritual health.

You can look forward to a variety of relatable health and wellness programming that will support you as you navigate your time as a Lakehead student.

- ▶ Health and Medical Services
- ▶ Mental Health and Counseling Services
- ▶ Health Promotion
- ▶ Wellness Programming

Connect with us:

Thunder Bay: [health@lakeheadu.ca](mailto:health@lakeheadu.ca) Orillia: [orluwell@lakeheadu.ca](mailto:orluwell@lakeheadu.ca)

Explore more here:







# INDIGENOUS STUDENTS



**Lakehead University is the university of choice** for First Nation, Métis, and Inuit learners. We provide a culturally supportive environment to all Indigenous students in a variety of ways:

- ▶ Academic/cultural workshops
- ▶ Referrals to various Lakehead University departments
- ▶ Assistance with applications for funding and bursaries
- ▶ Transitional support including assistance with housing, daycare, referrals to city services, and mental health services
- ▶ Cultural teachings, feasts, sweat lodge ceremonies
- ▶ Counselling

## SUPPORT SERVICES FOR INDIGENOUS STUDENTS

**Gakina Nindinawemaaganag Student Lounge is available at the Thunder Bay Campus.** It provides an open and comfortable environment where you can access a study area, kitchenette, and computer stations. There is also a cultural room for individual or group sessions with Elders-in-Residence Program. The lounge is a home away from home and a place to create community where you can interact with classmates and make new friends.

**The Maawnjigamig Academic Support Zone is available on the Orillia campus in the Residence Building.** This is a welcoming space with comfortable furniture, a small kitchenette, and is a great place to meet with friends or to study. Students can meet with Elders in the Wellness Centre or in the Wiigwasitig Gitigaan "Birch Tree Garden". Additionally, the Alumni Commons and the New Sun Indigenous Art Gallery in Simcoe Hall is a great spot to meet up with friends or for quiet study. The commons has plenty of comfortable furniture for students to relax and is also used for smudging and small gatherings.

**Connect with us:**

**Thunder Bay:** [adm.issc@lakeheadu.ca](mailto:adm.issc@lakeheadu.ca) **Orillia:** [orillia.ii@lakeheadu.ca](mailto:orillia.ii@lakeheadu.ca)





# INTERNATIONAL STUDENTS

## SUPPORT SERVICES FOR INTERNATIONAL STUDENTS

We are here for you! At Lakehead University International, we welcome students from over 70 different countries. Our International Student Services (ISS) teams at our Thunder Bay and Orillia campuses offer culturally-focused supports and programming that help international students like you transition and succeed in your academic studies, including life and work in Canada. The ISS has international advisors prepared to assist with personal, cultural, financial, immigration, health, and wellness advice and referrals to staff to support you from the day you arrive until the day you graduate.

- ▶ Free Airport Pick-Up Services
- ▶ English Language Centre - accredited by Languages Canada & IELTS Testing Venue
- ▶ Health Insurance coverage (Administered by ELC or Finance)
- ▶ Homestay Program for ELC students
- ▶ Emergency Bursary and Loan programs (in Collaboration with Financial Aid)
- ▶ Social & Cultural Activities
- ▶ Immigration specialists on staff for all your student immigration needs
- ▶ International Student Centre & Student Lounge
- ▶ Academic and Culturally relevant workshops

Connect with us: [lakeheadu.ca/international](https://lakeheadu.ca/international)



### The Lakehead Makes Leaders Completion Certificate

is a five-level, value-added program that helps you build soft skills such as communication, team building, interpersonal skills, growth potential, and more! All are identified as critical by Canadian employers to help students in the Canadian labour market. The capstone project in the final module is a short service internship that allows you to gain valuable Canadian work experience, prepares you with mentorship and support, and empowers you to further your career readiness for the Canadian labour market. Upon completion, Lakehead Makes Leaders levels are added to your Co-Curricular Record.

**JUMP** is one element of Lakehead Makes Leaders and is part of our online pre-arrival and transitional summer programming.

[lakeheadu.ca/jump-program](https://lakeheadu.ca/jump-program)





# RESIDENCE — NO BETTER PLACE TO LIVE

**GUARANTEED  
RESIDENCE**  
TO ALL  
**High School  
STUDENTS**

At Lakehead, we **embrace** the fact that you cannot go home every weekend. From the **people** you'll meet to the **laughs** you'll share, living in Residence will become a **whole new way of life.**

## LAKEHEAD RESIDENCE ADVANTAGE

- 1 Academic Success:**  
Studies show you will perform better academically living in Residence. You will have easy access to the library, tutors, computer labs, and your professors.
- 2 Convenience:**  
You are steps away from classes, academic and personal supports, recreational facilities, the cafeteria, and social spots, leaving no wasted time commuting.
- 3 Exceptional Events & Supports:**  
Residence life is full of action. Meet people from all over the world and make friendships that will last a lifetime.
- 4 Great Accommodations:**  
Comfortable, furnished and spacious rooms with all the necessities including WiFi and mini fridge.
- 5 Economical:**  
Residence living is an all-inclusive expense with no surprises or hidden fees.

## BE A PART OF THE ACTION!

Going to University isn't just about going to class! Your Residence Life Team will ensure you always have something to do. Check out some of the amazing events you can be a part of:

- Community Events – concerts, hiking trips, ski and snowboarding nights, horseback riding, hockey games, escape rooms and pep-rallies
- On-Campus Activities – dogsledding, basketball, bonfires, movie nights and more!
- Residence Sports and Mini-Olympics
- Residence Formal
- After first year, apply to be a part of the Residence Life Team: Resident Assistant, House President, Sports Coordinator or Media Coordinator

Living in residence throughout your University career gives you the **financial advantage** of saving on furnishings and no rental payments through the summer months!





## THUNDER BAY CAMPUS

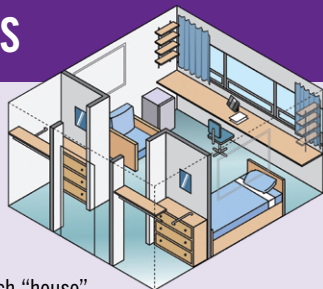
### RESIDENCE TYPE:

First-year students usually stay in our dorm-style Residence Hall, with fully furnished rooms that include a bed, desk, loveseat or chair, small fridge, and WiFi. A comprehensive meal plan is included. Each “house” of 30 students includes a house study room, lounge, card-operated laundry facilities, and plenty of storage.

Upper-year students will enjoy the independence of living and cooking on their own, with the convenience of an apartment or townhouse right on campus, or can choose the dorm-style, Residence Hall option.

### UNIQUE FEATURES:

Basic single and single room options, a skating rink right outside, woods and a river running behind.



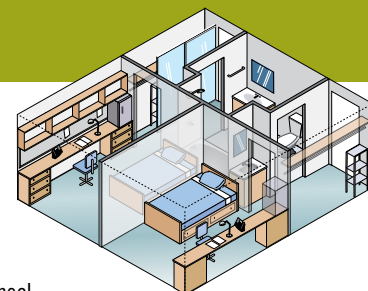
## ORILLIA CAMPUS

### RESIDENCE TYPE:

Our 229-bed residence complex features a modern residence hall dorm design. Fully furnished rooms include a bed, desk, small fridge, cable TV and WiFi. A comprehensive meal plan is included. Each “house” of 40 students includes a house study room, lounge, card-operated laundry facilities, and plenty of storage.

### UNIQUE FEATURES:

Your private bedroom includes a personal vanity sink and semi-private washroom (max. 2 students - your neighbour!). Access to workout room in Residence building.



### MEAL PLAN FOR RESIDENCE HALL STUDENTS

Comprehensive meal plan features ‘all access’ dining with rotating menu options for breakfast, brunch, lunch and dinner. Includes \$800 declining balance card that can be used at on-campus eateries, including Starbucks, Subway, bento Sushi and many more! We are pleased to announce that we have a \*New\* Grocery and Meals2Go online ordering service for our on- and off- campus students.

### Lots of Selection

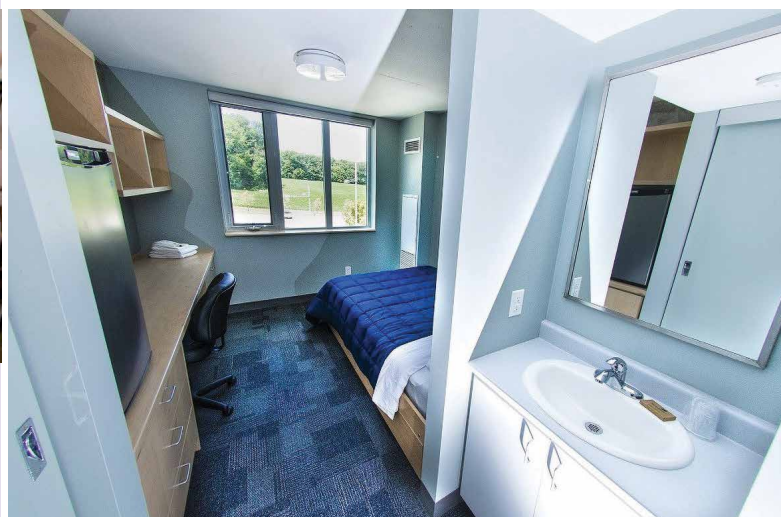
Our meal plans and on-campus dining features: Vegetarian \* Halal \* Vegan \* Gluten Free \*

If you require accommodations due to allergies or dietary restrictions, our Lakehead Dining Services team will be happy to work with you.

### RESIDENCE COSTS\*

Accommodations from September to April

Basic Single • \$11,196 for Room and Meal Plan  
Single • \$12,395 for Room and Meal Plan  
Townhouse • \$7,982 for Room Only  
Apartment • \$7,571 for Room Only



### MEAL PLAN FOR FIRST-YEAR STUDENTS:

Choose from either a 5-Day or 7-Day Meal Plan - included with your residence fees! Both plans include all daily meals plus “declining balance dollars” which can be used similar to a credit card for extra food purchases on campus. A variety of meal options are available to meet all dietary needs.

### RESIDENCE COSTS\*

Accommodations from September to April

#### 5-Day Meal Plan (Mon.-Fri.)

Single with shared washroom: \$12,864.00

#### 7-Day Meal Plan

Single with shared washroom: \$13,634.00

\* All prices listed are based on 2021/2022 costs. For complete terms and conditions, visit [residence.lakeheadu.ca](https://residence.lakeheadu.ca)





# STAYING ACTIVE ATHLETICS

## VARSITY TEAMS

Our Thunder Bay varsity teams compete in the Ontario University Athletics (OUA) division of USports (formerly CIS) and our Orillia varsity teams in the Ontario Colleges Athletic Association (OCAA) division of CCAA.

	MEN'S	WOMEN'S	CAMPUS
Basketball	•	•	T
Cross-Country Running	•	•	T
Golf	•	•	O
Hockey	•	•	T
Indoor Soccer	•	•	O
Nordic Skiing	•	•	T
Track and Field	•	•	T
Volleyball	•	•	T
Wrestling	•	•	T

## CLUB TEAMS

Club teams are competitive teams that compete in tournaments against other Colleges and Universities across North America.

	MEN'S	WOMEN'S	CAMPUS
Basketball	•	•	O
Cricket	•	•	T
Curling	•	•	T
Dance	•	•	O T
Equestrian	•	•	O T
Hockey	•	•	O
Hockey	•	•	T
Rugby	•	•	T
Soccer	•	•	T
Ultimate Frisbee	•	•	T
Volleyball	•	•	T

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

# GO WOLVES, GO!

Show your blue and gold spirit by attending a **Varsity game** and **cheering on our THUNDERWOLVES!**

**You will have a blast** discovering what it means to be part of the pack and experiencing the thrill of supporting your local hockey players or rooting for the basketball team! You don't have to play to have fun - become a Thunderwolves fan!

Stay up to date on programs and events:

**Thunder Bay:** [thunderwolves.ca](http://thunderwolves.ca) • **Orillia:** [orilliathunderwolves.ca](http://orilliathunderwolves.ca)



## CAMPUS RECREATION

Campus Recreation offers you the opportunity to stay fit and active, and meet new people in a supportive and fun environment. Both Orillia and Thunder Bay campuses offer a variety of intramural sports leagues, where you can sign up to play one of your favourite sports, or try out something new! The Thunder Bay campus also offers group fitness classes.







# CAMPUS FACILITIES

## THUNDER BAY:

A few steps away from residence and our academic buildings, you'll find our on-campus fitness facilities. Stay active at the C.J. Sanders Fieldhouse, a 15,000 square-foot gymnasium, or at The Hangar, a 50,000 square-foot student athletic facility. Constructed in 2021, the 30,000 square foot Wolf Den houses a new gymnasium and bright and spacious weight and cardio rooms. Campus Recreation and Club sports offices are also housed here.

Full access to the athletic facilities is included with your tuition and student fees.

### FEATURES INCLUDE:

- Weight Rooms
- Cardio Machines
- Hot Yoga Studio
- Beach Volleyball Courts
- Olympic-sized Swimming Pool
- Indoor 200-metre track
- Full Indoor Soccer Field
- 'Thunderdome' gymnasium
- Aerobics Studio
- Outdoor Sports Fields
- Change Rooms & Saunas
- High-Performance Hockey Centre
- Wolf Den Gymnasium
- Kinesiology Labs

## ORILLIA:

As an Orillia campus student, you can join one of the active clubs or recreational teams, or try out for a varsity sports team. Enjoy a workout between classes in our new fitness room on campus. With both indoor and outdoor recreational opportunities in Orillia and the region, you will have the opportunity to balance your studies with physical activity to stay healthy.





# GET INVOLVED

Make sure you get involved and make the most out of your university experience!  
**This is the best time** to work on yourself, try new things and make **memories for a lifetime!**

Whatever it is **you love** – student government, leadership, music, gaming, or volunteering – there will be no shortage of opportunities for you to **get involved in ways that suit your life.**

- ▶ Join one of 60+ student clubs
- ▶ Stroll through Culture Days to explore different countries and cultures
- ▶ Roll up your sleeves and help out at the Community Garden
- ▶ Celebrate our Aboriginal culture and traditions at the annual Powwow
- ▶ Run for the Lakehead University Student Union (LUSU)
- ▶ And discover so much more!

## LEADERSHIP OPPORTUNITIES

Develop new skills and grow as a person while getting involved in group activities and meaningful projects through various on-campus leadership programs. Our EXCEL Leadership Program, Nijji Indigenous Mentorship Program and Student Ambassador Program allow you to pursue your own personal aspirations while gaining experience and skills that will stand out to future employers.







# LUSU

LAKEHEAD UNIVERSITY  
STUDENT UNION

FOLLOW US FOR INFO, EVENTS, AND MORE!

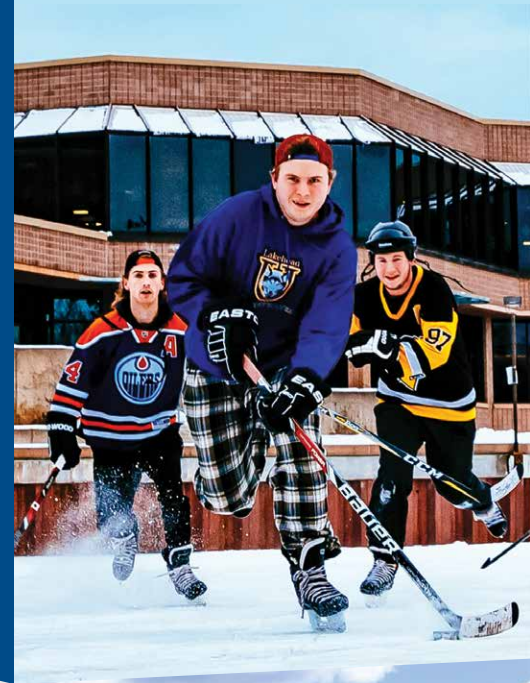


@lusu\_tbay @lusu\_orillia

LUSU.CA

## LAKEHEAD UNIVERSITY STUDENT UNION (LUSU)

LUSU is run for students, by students. Become part of the team that ensures students can pursue academic excellence as well as personal and social growth at Lakehead, free from barriers. You can also get involved in one of the LUSU Centres, such as the Aboriginal Awareness Centre, Gender Equity Centre, Multicultural Centre, Pride Central, or the Food Resource Centre. Opportunities to represent the student body on the University's academic governance body, the Senate, and various Senate committees are also great ways to share the student voice and be involved.



## ARGUS NEWSPAPER AND LU RADIO

Are you a passionate writer, journalist or creative photographer? Or do you have a love of music and want to share it with the world? Get involved with The Argus or our community FM radio station at our Thunder Bay campus.

## HEALTH & DENTAL PLAN

We are proud to offer affordable and accessible extended health and dental coverage. From prescription drugs, to dental, to vision, to paramedical practitioners, travel & accident insurance, and so much more.

## UPASS

Our Universal Bus Pass (U-Pass) offers unlimited use of public transit to Lakehead students in both Thunder Bay and Orillia. With our collective purchasing power we are able to secure the lowest transit rates possible by negotiating directly with the local city transit departments.

## STUDENT CLUBS, ACADEMIC ASSOCIATIONS AND SOCIETIES

Clubs are the cornerstone of student life at Lakehead. Whether you are interested in sports, movies, video games, politics, or academics, a club exists to fill your need to broaden your ways of thinking and living life. See our website for a list of clubs, academic associations and societies to join. **If you can't find one you like you can start your own!**

You can track your extracurricular and showcase the skills you have learned through the Co-Curricular Record (CCR). The CCR is an ideal way to complement your academic transcript when applying for jobs or to a graduate or professional program.



## Escape from your studies and enjoy the ultimate outdoor experience right at our campus doorstep.

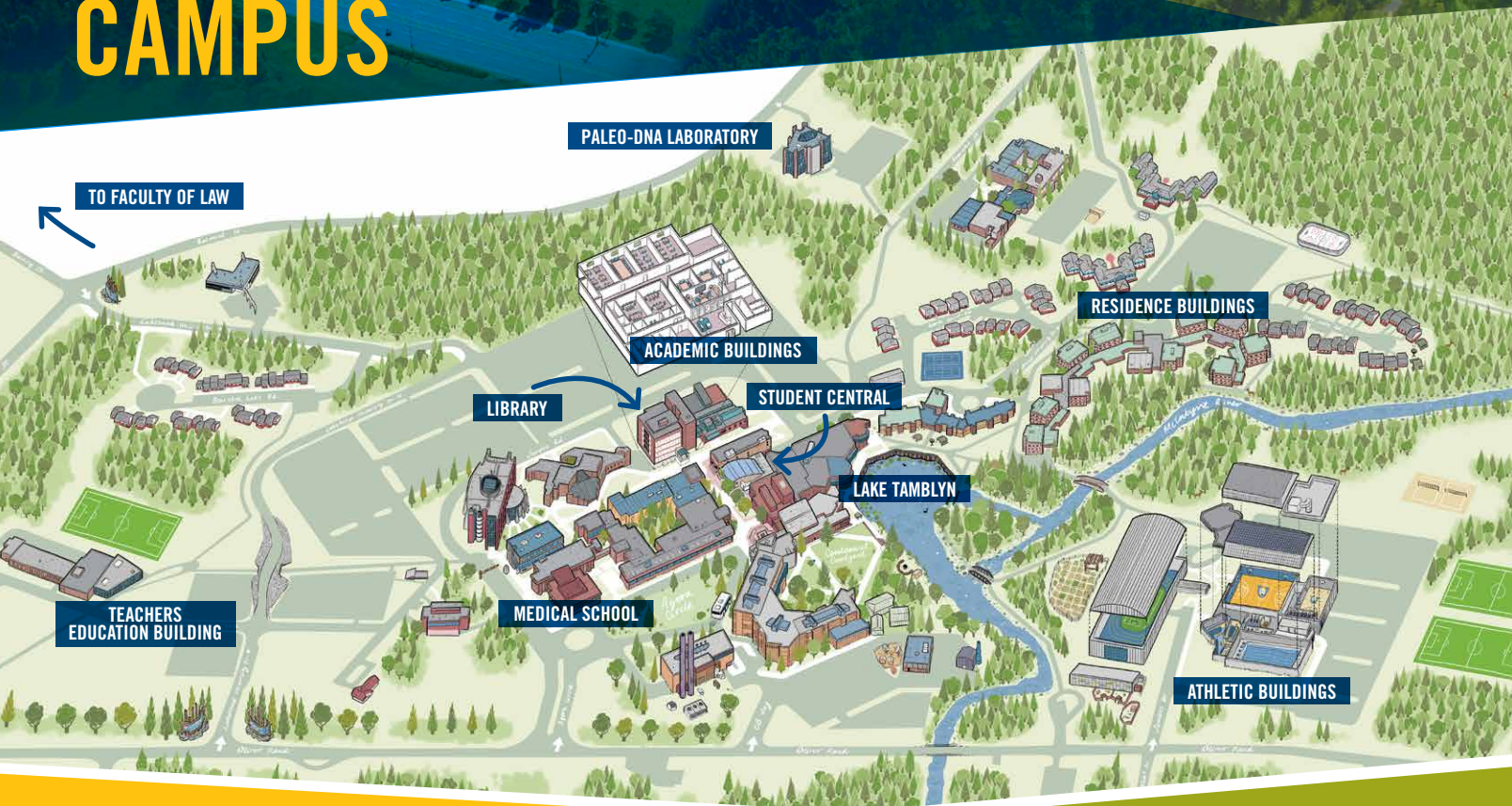
Both Thunder Bay and Orillia offer close access to some of Ontario's greatest downhill ski resorts and cross-country skiing facilities. After a day on the slopes, relax with friends around a cozy bonfire.

Connecting with yourself is in our nature. Enjoy our natural surroundings and take in our nearby lakes. Or take your yoga mat to some of our beautiful locations on campus to connect simply with yourself.

Grab your hiking boots or bike and explore many of our pristine trail systems in and around the Thunder Bay area and Simcoe County.







## Personalized Campus Tours – All Year Round

A campus tour is the best way for you to discover that Lakehead is where you belong. Experience for yourself what makes this an exceptional and unconventional place. Spend the day exploring our campuses and the communities we belong to. We offer you a personalized campus tour designed around your particular interests.

## Take a Virtual Tour

Take a tour of both our campuses from anywhere in the world! Explore on your own or book through: [lakeheadu.ca/admissions/campus-tours](http://lakeheadu.ca/admissions/campus-tours)





# ORILLIA CAMPUS



## Campus Tour Bursary

See yourself at Lakehead — up to \$500 available for Grade 12 high school students visiting either campus from more than 150km away. **Receive up to \$500 off your first-year tuition to offset your tour travel costs.**

**Book a tour!**





# UPCOMING EVENTS

Lakehead University offers an education and a student experience like no other. Join us at our upcoming events to learn more about our campuses, our faculty and programs and how we can help you achieve your future academic and career goals. For event details and to register, visit: [lakeheadu.ca/admissions/events](https://lakeheadu.ca/admissions/events)

## Join us!

### ALL ABOUT LAKEHEAD

*General Info Session*

**MONDAYS @ 6PM (ET) & THURSDAYS @ 4PM (ET)**  
**SEPT 13 TO JAN 13**

Lakehead University is far from ordinary, and our 'All About Lakehead' Webinar Series will show you why! Join our Recruitment Team to learn what to expect during your first year, information about our residences, student life, financial aid and more. All presentations are followed by a live Q&A.

### GETTING TO KNOW LAKEHEAD

*Weekly Focused Info Sessions*

**TUESDAYS @ 6PM (ET) - SEPT 21 TO NOV 9**

Looking to learn more about your upcoming educational experience? Join us for our 'Getting to Know Lakehead' Webinar Series, where we connect online to talk about academic programs, experiential learning, student life, finances, applying and more! All presentations are followed by a live Q&A.

### DISCOVER LAKEHEAD

*Weekly Program Showcase*

**WEDNESDAYS @ 4PM (ET) - OCT 6 TO DEC 8**

As you plan for your University career, did you imagine you could connect with faculty even before applying? At Lakehead, we're anything but typical. Spend Wednesdays this Fall, chatting directly with faculty from some of our popular programs and learn how Lakehead can prepare you both academically and professionally to achieve your goals.



**Visit our Events Page!**



## Mark your calendars!

All the following events will be delivered virtually. Visit [lakeheadu.ca/admissions/events](https://lakeheadu.ca/admissions/events) to register.

### ONTARIO UNIVERSITIES' FAIRS

**SATURDAY, SEPT 25 @ 12-2PM (ET)**

**TUESDAY, OCT 26 @ 5-7PM (ET)**

### SO YOU WANT TO BECOME A TEACHER?

*Consecutive Education Program Info*

**MONDAY, NOV 1 @ 7PM (ET)**

### GRADE 11 & 12 STEM DAY

**SATURDAY, NOV 13 @ 10AM (ET)**

### FAMILY AND SUPPORTERS INFO NIGHT

**THURSDAY, NOV 18 @ 6PM (ET)**

### TRANSFER STUDENT INFO SESSION

**THURSDAY, NOV 25 @ 6PM (ET)**



## Important Dates

### JANUARY 15

- ▶ Application deadline for currently enrolled high school students to be considered for first round of offers (101 applicants)
- ▶ All other applicants, please refer to deadlines outlined on the Lakehead University website

### APRIL 15

- ▶ Entrance Bursaries Deadline – first round
- ▶ Specialist High Skills Major Award Deadline

### APRIL 24

- ▶ President's Scholarship Application Deadline

### JUNE 1

- ▶ Deadline to accept an offer of admission via OUAC
- ▶ Deadline for application to residence

### JUNE 30

- ▶ Entrance Bursaries Deadline – second round

Dates subject to change. Please refer to [lakeheadu.ca/admissions](https://lakeheadu.ca/admissions) for the most up to date information.

## LAKEHEAD *Virtual* OPEN HOUSE

**SATURDAY, OCT 16 @ 10AM (ET)  
& WEDNESDAY, DEC 8 @ 5PM (ET)**

We are excited to invite you to The Lakehead Experience **Virtual Open House**. At this exclusive event, you will have the opportunity to connect personally with professors, staff and other Lakehead experts.

Through videos, downloadable program information packages and one-on-one chats in our virtual exhibitor booths, you will learn about our degree programs, scholarships and bursaries, admissions, and vibrant student life. Join us for this exciting live virtual event where we open our doors and showcase for you the Lakehead difference.

[lakeheadu.ca/openhouse](https://lakeheadu.ca/openhouse)

## Book a Meeting WITH A RECRUITER

Are you a current domestic high school student? A Canadian resident not currently attending an Ontario University? Looking to switch from an Ontario College or University? Do you have questions about your application or program or how to apply to residence or for scholarships and bursaries? Not sure what your next steps are?

We're here to help! Book a one-on-one private meeting with a Recruitment Advisor today.

[lakeheadu.ca/admissions/events#coffee](https://lakeheadu.ca/admissions/events#coffee)

# Lakehead UNIVERSITY







# Lakehead

UNIVERSITY

EXCEPTIONAL. **UNCONVENTIONAL.**

## CONTACT US

Undergraduate Recruitment

1-800-465-3959 | [recruit@lakeheadu.ca](mailto:recruit@lakeheadu.ca)


[mylakehead.ca](http://mylakehead.ca) | [mylakehead](https://www.facebook.com/mylakehead)

## STAY CONNECTED

 [@mylakehead](https://www.instagram.com/mylakehead)

 [@mylakehead](https://twitter.com/mylakehead)

 [@lakeheaduniversity](https://www.facebook.com/lakeheaduniversity)

 [mylakehead](https://www.youtube.com/mylakehead)

 [/lakeheaduniversity](https://www.youtube.com/lakeheaduniversity)



*2 beautiful* **CAMPUSES**  
*IN 2 beautiful* **CITIES**



**Take a tour!**