



Lakehead University



Admissions Handbook

If you have decided on university as a place to begin your lifetime career, let us introduce you to a place where you are a person, a place small enough to provide many opportunities to meet new friends, but large enough to offer a broad range of quality programs, a place with faculty that share your concerns, and a place that boasts a natural living laboratory for hundreds of kilometres around. That place is Lakehead University in Thunder Bay, Ontario.

Located in the heart of Superior Country at the head of the Great Lakes, Lakehead University's programs, faculty, facilities and services team up with its unique location to provide you with a number of learning choices and alternatives unlike those found elsewhere.

Even if you are still undecided about how you will prepare for the years ahead, take a few minutes to read this booklet. It might make your decision a little easier.

For Further Information Contact:
Thunder Bay (807) 343-8157
Toll Free 1-800-465-3959
(Saskatchewan, Manitoba and Ontario)

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Innovative Programs

Many L.U. programs have been designed to focus on, and take advantage of, the natural laboratories of Northwestern Ontario — outdoor recreation, forestry, geology, biology and geography. Fieldwork complements the academic programs. As an outdoor recreation student you might spend a weekend winter camping, or a week canoeing as part of survival training; if you are enrolled in forestry or geology you would spend many hours in the University's research forests or chipping at the precambrian rock of the area —all as part of your studies.

Particular socio-economic problems of the North are also examined by students and faculty in sociology, business administration, social work, nursing, psychology, native studies, teacher education, etc.

Lakehead's Engineering program is unique in Canada, combining a diploma program in Engineering Technology with a Bachelor of Engineering Degree program.

"Lakehead University is committed to students - through the efforts of faculty who interact closely with students, who maintain intellectual vitality and contribute to their disciplines through scholarship, research and professional activity..."

—from Lakehead University's
Statement of Mission



Campus Visits

One of the best ways to find out more about Lakehead University is to pay us a visit. Personalized campus tours can be arranged Monday through Friday by contacting the Liaison Office.

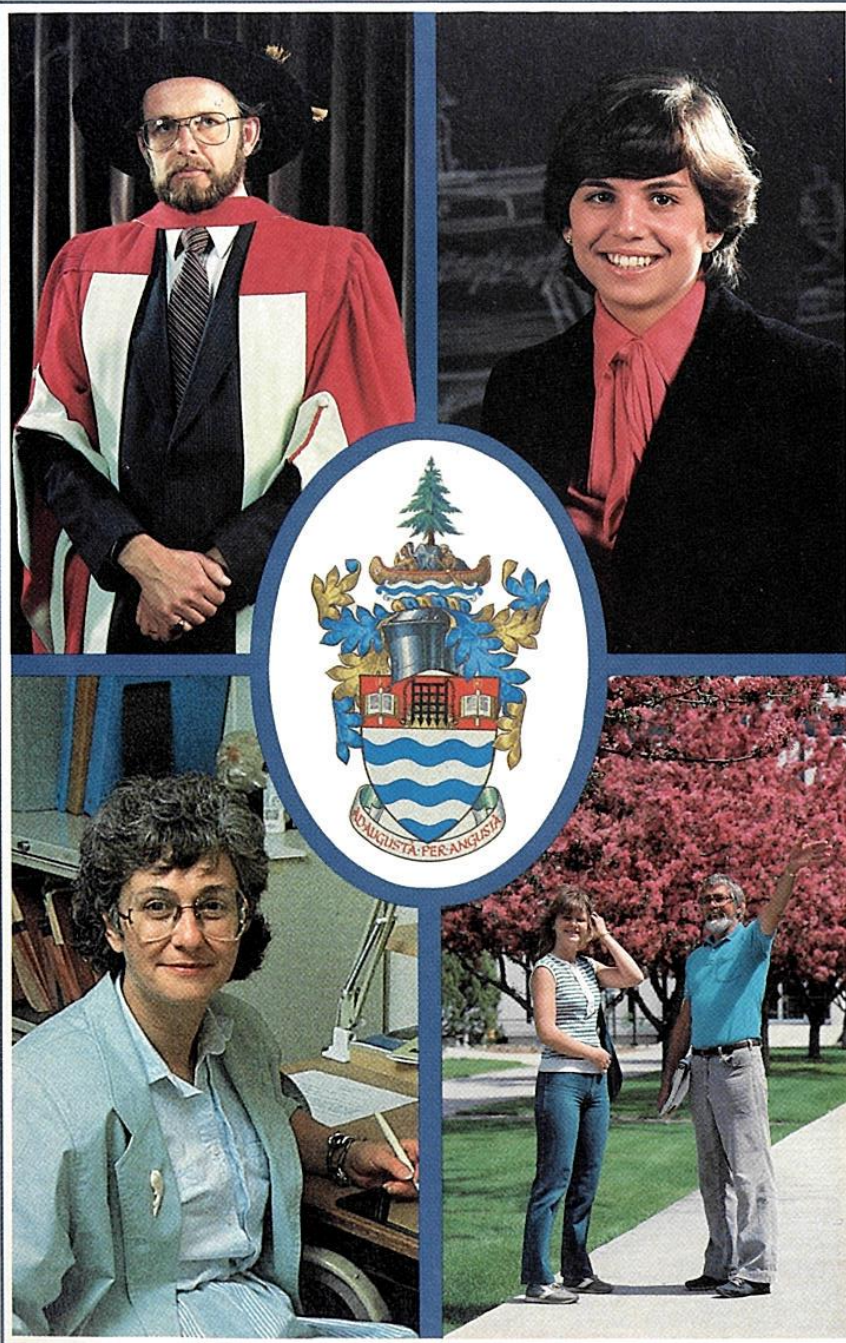
One of our students will show you our classrooms, laboratories, library, residences, computer center and athletic facilities. You may have the opportunity to attend a class or two and meet with the co-ordinator of the program in which you are interested. A guest pass to the C.J. Sanders Fieldhouse will allow you to exercise your body as well as your mind. Weight room, squash courts, Olympic size swimming pool and indoor track are available for your enjoyment.

If you are visiting from out of town, arrangements can be made for overnight accommodations. Should you wish to experience life on campus, arrangements can be made to stay in residence during a summer overnight visit.

For further information contact:

Liaison Office
Lakehead University
Oliver Road
Thunder Bay, Ontario
P7B 5E1
or phone (807) 343-8157
toll free 1-800-465-3969





Faculties

Faculty of Arts and Science

Programs leading to the Bachelor of Arts or Bachelor of Science degree require a minimum of three full years work. Each program is designed to acquaint the student with a broad range of thought in the liberal arts or sciences respectively. A selection of courses from several related fields may be unified with a measure of concentration in one subject called the major. Qualified students may also pursue programs utilizing double major or major/minor combinations.

Programs leading to the Honours Bachelor of Arts or Honours Bachelor of Science degree require a minimum of four full years' work. Most programs demand a high professional standard in either one specialized subject area or in a limited interdisciplinary field. Students with the appropriate qualifications may transfer from Bachelor's programs to Honours programs.

Faculty of Professional Studies

A variety of programs, including Technology Diplomas, Bachelors and Honours Bachelors degrees, are offered. These programs combine studies in the liberal arts and sciences with those in professional areas such as Business, Engineering, Education, Forestry, Library Technology, Nursing, Outdoor Recreation, and Physical Education.

OSIS

Preliminary Statement of General Requirements for Admission under OSIS (Ontario Schools Intermediate and Senior)

1. Ontario secondary school students seeking admission to Lakehead University under OSIS should present the Ontario Secondary School Diploma (OSSD), including a minimum of six Ontario Academic Courses (OAC's). An overall average of 60% on six OAC's is the minimum required for consideration. Higher averages may be required for admission to programs in which the demand for places by qualified applicants exceeds the supply of available spaces.
2. In the transition period, the Ontario Secondary School Honours Graduation Diploma (OSSHGD) and the Ontario Secondary School Diploma (OSSD), with the above noted minimum requirements, will normally be given equal credit for admissions purposes.
3. The length of time taken by an applicant to complete the OSSD will not itself be a determining factor in making decisions on admission. Students completing the OSSD in four years will not be given preference in admission over those completing the program in five years or less, providing the latter have proceeded normally through the program without repeating any courses or credits.

The University reserves the right to adjust these guidelines as further details become available from the Ministry of Education. If you require additional information please contact the Office of the Registrar.

This handbook provides detailed information concerning program admission requirements and general descriptions of the various disciplines available. Programs of study and course descriptions can be found in the Lakehead University calendar in your High School Guidance Office. Regardless of the program chosen, students should include their secondary school curricula in a pattern of subjects consistent with their intended program.

Anthropology

DEGREES/DIPLOMAS OFFERED:

Bachelor of Arts
Honours Bachelor of Arts

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) (or equivalent) including English.

Anthropologists study the biological and cultural aspects of human life. The subject is divided into four branches: biological anthropology or the study of the physical evolution of human beings; archaeology, or the evolution of human cultures and technology in pre-historic time; cultural anthropology which focuses attention on the evolution of "non-modern" societies; anthropological

linguistics or the study of the evolution, structure and function of human language.

At Lakehead University, we combine classroom lectures and seminars with fieldwork, whenever possible. A number of courses in northern and native studies for example, are enhanced by archaeological "digs" in the immediate Thunder Bay area. Indian relics thousands of years old are regularly discovered by our students and later studied in the classroom.

Lakehead University's Anthropology Department offers programs leading to a Bachelor of Arts degree with an anthropology major, which may be combined with either Boreal or Native studies.



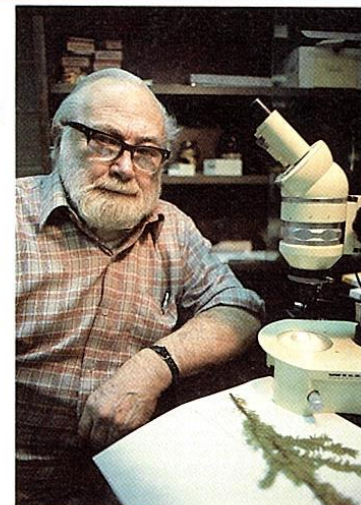
Biology

DEGREES/DIPLOMAS OFFERED:

Bachelor of Science
Honours Bachelor of Science
Master of Science
Bachelor of Science (Natural Science)

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent. Applicants must include OAC (or equivalent) in English and Calculus as well as three courses selected from: Algebra, Algebra and Geometry, Functions and Relations, Finite Mathematics, Chemistry, Physics and Biology. Applicants to B.Sc. (Natural Science) programs may be eligible for admission without some of the course requirements listed above.



What's more important in the world than the science of life? Biology provides us with information on the life sciences. At Lakehead University you have the opportunity to proceed toward a biology degree at the bachelor's and the master's level.

The Department of Biology has a program leading to three-year or four-year general degrees as well as the traditional honours degree. For those wishing some freedom on course selection, we have academic course streams available, as well as a very flexible program leading to the B.Sc. (Natural Science).

Joint majors with other disciplines such as chemistry, geography, outdoor recreation and psychology, can also be arranged.

Many of our graduates find employment with the government and in education. Some proceed to professional schools of medicine, dentistry or veterinary medicine, and a few to industry.

The faculty and technical staff of the department are engaged in several exciting fields of biological research, largely oriented to local problems. Because of small class size, our staff is always available for counselling.

Business

DEGREES/DIPLOMAS OFFERED:

Honours Bachelor of Commerce
Bachelor of Administration

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent.

For B.Admin.-English must be included. Applicants who have not completed an OAC mathematics course or equivalent will be required to take a mathematics pre-test. If basic mathematics skills are deemed to be deficient, a student will be required to take Math 1010.

H.B.Comm.-OAC English, Calculus and Algebra/Algebra and Geometry, or equivalent, must be included.

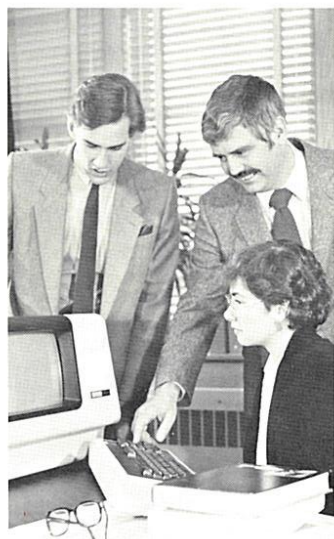
The most rapidly expanding group in any organization, especially in today's business enterprise, is people in management positions. The demand for individuals with managerial skills in the areas of accounting, finance, marketing, computer based management systems, personnel and industrial relations is continually increasing.

Lakehead's School of Business Administration offers two undergraduate programs in business management studies:

Honours Bachelor of Commerce Degree — This four-year program combines a strong core of required courses in the major business areas with a broad range of options in business, Arts and Science.

Bachelor of Administration Degree — This three-year program is designed to concentrate your studies in one area of: Accounting, Personnel/Industrial Relations, Marketing or Computer Based Management Systems.

Our learning experience combines traditional lecture methods, student seminars, formal presentations and class discussions of business cases. This requires you to perform individually and also to learn to work effectively within small groups.



On completion of a business program at Lakehead, you have many options for employment. Career opportunities in management, whether in business, government or the institutional sector, provide the challenges and rewards for those prepared to accept them.

Chemistry

DEGREES/DIPLOMAS OFFERED:

Bachelor of Science
Honours Bachelor of Science
Master of Science

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent. Applicants must include OAC (or equivalent) in English and Calculus as well as three courses selected from: Algebra, Algebra and Geometry, Functions and Relations, Finite Mathematics, Chemistry, Physics and Biology.

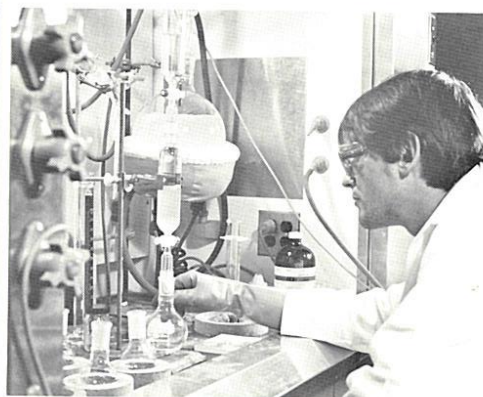
Chemistry is often referred to as the fundamental natural science since it deals with the behaviour of matter and the basic chemical substance of which all matter is composed. Because of this, many other disciplines such as biology, geology, engineering and medicine, depend heavily upon chemistry.

Chemistry is subdivided into specialty areas: analytical chemistry, inorganic chemistry, bio-chemistry, organic chemistry and physical chemistry. Each of these branches deals with its own unique subject matter.

The chemistry program at Lakehead University is different from others. Most of our courses in the various branches have an applied nature to them.

In addition, since classes are not large, students have ample access to the faculty. The department possesses a wide range of sophisticated and specialized instruments, some of which you would expect to find only at much larger universities.

A degree in chemistry opens a wide number of career opportunities to you in areas such as pollution control and monitoring, various agencies of the government, industry, teaching, plus many others.



Economics

DEGREES/DIPLOMAS OFFERED:

Bachelor of Arts
Honours Bachelor of Arts
Master of Arts

ADMISSION REQUIREMENTS:

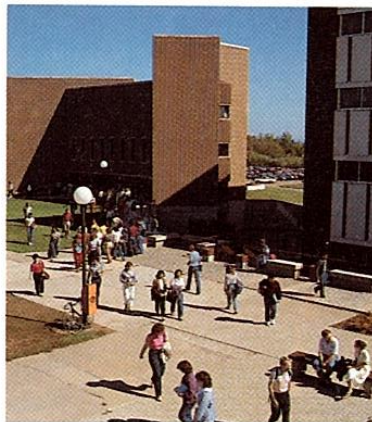
Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent including English.

Economics is a science dealing with the production, distribution and consumption of wealth and its related problems such as labour, finance and taxation. Cambridge economist Sir Dennis H. Robertson reminds us that economics is "worth pursuing partly for its intensive interest, but mainly, because it may help us to form reasoned judgements on matters of public policy."

In this day and age, awareness of the economy and how it works is an essential part of our lives. It will affect the way we think, vote and perceive our economic situation.

A degree in economics can lead to graduate degrees which can qualify you for a career as a business, trade union, or government economist, or for an academic career in education at the secondary, college or university levels.

If you are interested in looking at the long-term effects of economic policy and its consequences for the entire community, then you will find the study of economics exciting and stimulating as well as useful for a rewarding career.



Education

DEGREES/DIPLOMAS OFFERED:

Bachelor of Arts/Bachelor of Education
Bachelor of Science/Bachelor of Education
Bachelor of Arts (General)/
Bachelor of Education Native Education (Primary/Junior)

ADMISSION REQUIREMENTS:

To B.A./B.Ed. — Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent including English. Applicants are recommended to complete mathematics to at least the grade 12 advanced level.

To B.Sc./B.Ed. — Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent. Applicants must include OAC (or equivalent) in English and Calculus as well as three courses selected from: Algebra, Algebra and Geometry, Functions and Relations, Finite Mathematics, Chemistry, Physics and Biology.

At Lakehead we offer three unique undergraduate programs in Education: 1) Concurrent Teacher Education, 2) The Pre-Service Program, and 3) Native Teacher Education.

The Concurrent Teacher Education Program at Lakehead permits you to qualify for an Arts or Science Degree while you are working for your Bachelor of Education Degree. Most important, the concurrent program enables you to develop professional teaching skills over a four-year period through continuing contact with schools, teachers and students. (Whether you decide to take the B.A./B.Ed. or the B.Sc./B.Ed., you will be required to choose the level at which you would like to teach: Primary-Junior, Junior-Intermediate, or Intermediate-Senior.)

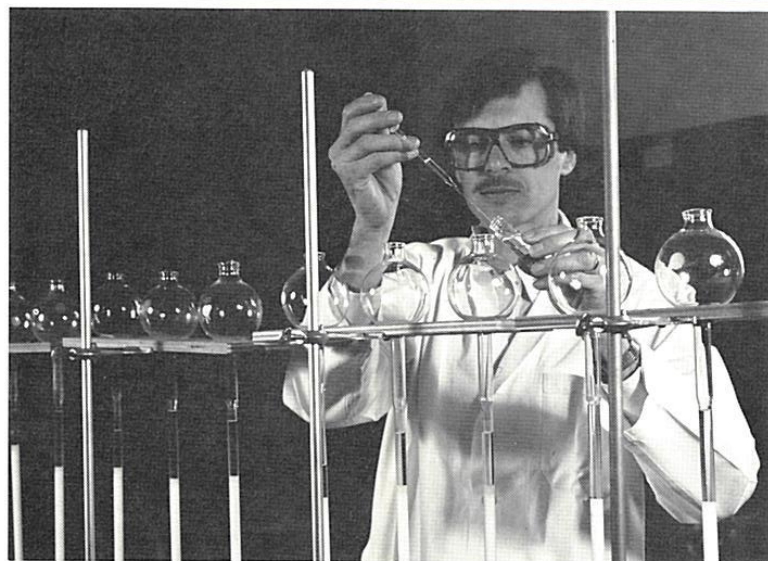
Our Pre-Service program allows people who already possess an undergraduate degree to obtain their Bachelor of Education by enrolling in this rigorous one-year program in teacher education.

The Native Teacher Education Program prepares teachers to meet the unique social and cultural needs of the native community. In addition to educational methodology and theory, this program includes courses in native culture and traditions such as native languages, native arts and crafts, and Canadian Indian history.

Each of our three undergraduate programs is designed to meet your individual needs in the field of education.



Energy and Fuel Science



DEGREES/DIPLOMAS OFFERED:
Available as a minor specialization with majors in physics or chemistry.

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent. Applicants must include OAC (or equivalent) in English and Calculus as well as three courses selected from: Algebra, Algebra and Geometry, Functions and Relations, Finite Mathematics, Chemistry, Physics and Biology.

What forms of energy will we be using 20, 30 or 40 years from now? What will happen when our fossil fuels are expended? Will wind, solar, geothermal, or tidal energy become viable alternatives?

These are only a few of the questions you can explore in the Energy and Fuel

Sciences program at Lakehead University, where applied energy and fuel science courses are combined with one of the traditional major science degree programs important to the energy field: chemistry and physics.

As a student in chemistry or physics with energy and fuel science, you will take such courses as fuel and combustion chemistry, solar energy, fossil fuel geology, nuclear energy, or fuel utilization, in addition to the regular courses in chemistry or physics.

With their background and knowledge, Lakehead's Energy and Fuel Science graduates are well qualified for careers in the petroleum and mining industries as well as the nuclear energy field. Government agencies, as well as small and large private companies visit the campus annually to recruit students for both summer and full-time employment.

Engineering

DEGREES/DIPLOMAS OFFERED:

Diploma in Engineering Technology
Bachelor of Engineering Degree

ADMISSION REQUIREMENTS:

Admission requirements vary with entry levels. For complete details see the outline following.

Lakehead's School of Engineering has an approach to engineering education that is unique in Canada. It provides two programs of study: one leading to a diploma in Engineering Technology and the other leading to a degree in Engineering. Each program is available in Chemical, Civil, Electrical or Mechanical Engineering.

Upon entering the School of Engineering you will work towards completing a diploma course in Engineering Technology. When you receive your diploma, you will have two options: 1) you may continue with the engineering program and receive your degree, or 2) you may choose to work as an Engineering Technologist. If you choose the second option, you may return to the University after acquiring experience and finish the engineering degree program at a later date. This program of study permits the qualified high school student to obtain an engineering degree in four years after the completion of a SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or five years after Ontario grade 12.

Students from coast to coast have recognized that only Lakehead University offers such a program, so our student body is made up of people from all over Canada who have graduated as technologists from technical institutes and community colleges. They enter

either immediately after receiving their diploma or after a few years of technical experience.

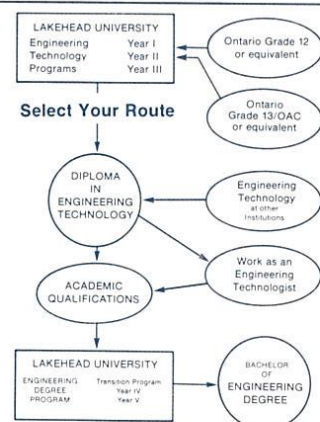
The Diploma programs in Engineering Technology offered at Lakehead University are fully accredited by the Ontario Association of Certified Engineering Technicians and Technologists (OACETT). The Bachelor of Engineering degree programs are fully accredited by the Canadian Accreditation Board (CAB) of the Canadian Council of Professional Engineers (CCPE).

Engineering for Me — How Can I Tell?

Try our questionnaire.

- ☐ I am curious about how things work.
- ☐ I like working with people.
- ☐ I don't like monotony, but I can be meticulous.
- ☐ I think I would like decision-making responsibility.
- ☐ I like to search for alternative solutions to a given problem.
- ☐ I can stick with a project without becoming discouraged.
- ☐ I appreciate that an ideal solution does not exist for every problem.
- ☐ I have an aptitude for mathematics and sciences, but prefer applying them to problems rather than just studying theory.
- ☐ I believe that any engineering solution could be compatible with the environment.
- ☐ I realize that engineering education is a life-long process.
- ☐ I like searching for new solutions to old problems.
- ☐ I would like a career that is involved with and will contribute to our world and to our society.

Engineering



ADMISSION REQUIREMENTS:

Diploma in Engineering Technology:

Admission to the first year of the Engineering Technology program requires an OSSD (or equivalent) including Grade 11 and 12 advanced level mathematics and sciences with a minimum of 60% average. Commencing September 1990 Grade 12 advanced level English will also be required. After a common first year, candidates will select one of the following four programs:

- Chemical Engineering Technology
- Civil Engineering Technology
- Electrical Engineering Technology
- Mechanical Engineering Technology

Admission to second year of the Engineering Technology Programs requires an O.S.S.D. including 6 Ontario Academic Courses (or equivalent) with a minimum overall average of 60% and an average of 60% in the mathematics courses (or their equivalent). The OAC's must include: Calculus, Algebra and Geometry, Chemistry, Physics.

Commencing September 1990 applicants will require Grade 12 advanced level English. Preference will be given to students with an OAC in English.

During the transition period admission to second year of the Engineering Technology programs requires a SSHGD or OSSD including 6 Ontario Academic Courses (or equivalent), with a minimum overall average of 60% including: Chemistry, Physics, Calculus (OAC or Grade 13), Algebra (Grade 13) or Algebra and Geometry (OAC); Functions & Relations (applicants lacking this credit will be considered on an individual basis).

An average of 60% in Mathematics courses is required. Commencing September 1990 applicants will require Grade 12 advanced level English and preference will be given to students with an OAC in English.

Bachelor of Engineering Degree:

Applicants admitted to the second year of the Engineering Technology Program may complete the Diploma requirements in two years, and then enter the two-year Post Diploma program leading to a Bachelor of Engineering degree.

Technology graduates —

- (1) Applicants with two or more years industrial experience must have a Diploma in Technology from a Community College, Ryerson Polytechnical Institute, Lakehead University or its equivalent with an average of at least 60% in their final year.
- (2) Applicants with no industrial experience must have a Diploma in Technology from a Community College, Ryerson Polytechnical Institute, Lakehead University or its equivalent with an average of at least 70 per cent in their final year.

English

DEGREES/DIPLOMAS OFFERED:

Bachelor of Arts
Honours Bachelor of Arts
Master of Arts

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent including English.

The English program at Lakehead University is designed to meet the needs of people living in a society sensitive to communication skills, and also to recognize the need of students who desire advanced study in specialized areas.

As a student working towards your Bachelor of Arts degree, you will have your choice of a variety of English courses in the areas of fiction, drama,

poetry, criticism and non-fictional prose. In addition we have courses with a more specialized focus offered on a rotating basis. These include children's literature, literature and mysticism, and creative writing.

To respond to the demand for the practical skills necessary in industry, government and other professional occupations, you can combine an English major with a program in another professional area. Also various technically oriented writing courses designed for specific professional areas such as Engineering, Forestry and Business are open to students in these programs.



Fine Arts

DEGREES/DIPLOMAS OFFERED:

Honours Bachelor of Arts

- Music Option
- Visual Option

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent including English. Visual Arts majors are required to submit a portfolio. An audition is required of Music majors.

Artistic success does not depend on talent alone, but on the commitment and self-discipline required to develop your natural skills. Another essential is a thorough understanding of your subject from a historical and theoretical point of view.

Such commitment is best realized through organized study and interaction with professional artists. In order to accomplish this interaction, we keep our classes small, insuring that each professor has adequate time to help you develop your skills to the fullest.

Lakehead's Division of Fine Arts offers you two artistic programs in which to obtain your B.A.: 1) Visual Arts, 2) Music.



A portfolio examination is a requirement for admission into Visual Arts. Once you have begun the program, you may specialize in various studio streams including drawing, painting, printmaking or ceramics. (Various optional studio courses are available in each senior year so that secondary studio interests may also be developed.)

The music program provides advanced instruction in any of the orchestral instruments as well as piano, organ, guitar or voice. As a music major, you would also take credits in music theory and history along with other electives throughout the year.

We believe that the technical and intellectual abilities you will acquire at Lakehead University will continue to serve you long after graduation in whatever career you choose to advance your particular talents.

Forestry

DEGREES/DIPLOMAS OFFERED:

Hons. Bachelor of Science in Forestry

Master of Science

Diploma in Forest Technology

ADMISSION REQUIREMENTS:

Honours Bachelor of Science in Forestry - Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent. Applicants must include OAC (or equivalent) in Calculus, Chemistry and Functions and Relations or Algebra and Geometry. Three remaining subjects should be selected from: English, another Language, Biology (recommended), Physics, Geography, History, Finite Math (recommended), Algebra (recommended if Algebra/Geometry not included).



Diploma in Forestry Technology - Minimum 60% average on OSSD (or equivalent) including Grade 11 and 12 advanced level Mathematics and Sciences; Grade 12 advanced level Chemistry required.

The emphasis in forestry today is changing from the natural to the managed forest. The forestry program at Lakehead University is training people to meet the growing demands of the world. Our programs use field instruction whenever possible to teach the fundamentals of tree and forest description, measurement, utilization, management and conservation. They also incorporate lectures, laboratories, computers, guest speakers, current management and research techniques and problem analysis in the teaching format.

The degree program in forestry at Lakehead University provides the graduate with academic qualifications for membership in professional associations in Ontario, British Columbia and the United States.

Lakehead University is the only one of six forestry faculties in Canada to offer both technical and degree programs. Here you will be with a faculty that represents many countries of the world where forestry is practised and with students from all over Canada and other countries.

Extra-curricular activities including socials, symposia and logger's sports are conducted by the student forestry association.

The forestry course at Lakehead is demanding, but so is the forest and the society for which it exists. As a student, you too will be in demand both during the summer breaks and upon graduation. The world's need for wood products is rising: you can be one of the many helping to enhance this resource base for present and future generations.

General Arts

DEGREES/DIPLOMAS OFFERED:

Bachelor of Arts

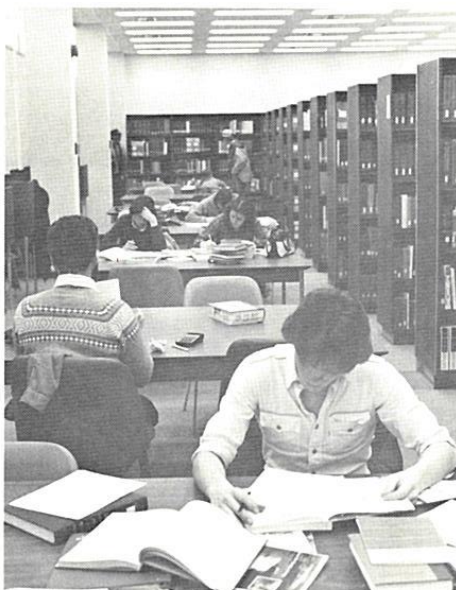
ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) (or equivalent) including English.

The General Arts degree program was developed primarily for adult students although high school graduates are eligible to enroll in this program as well. Designed to offer the maximum flexibility to students, this program does not specify particular required courses as a major program would. Thus, the student is able to select courses from a broad

range of disciplines in accordance with his or her individual interests.

Course selection may be limited by the student's grade 13/OAC program. For example, a student lacking grade 13/OAC mathematics would not be allowed to register in certain university level mathematics courses.



General Science

DEGREES/DIPLOMAS OFFERED:

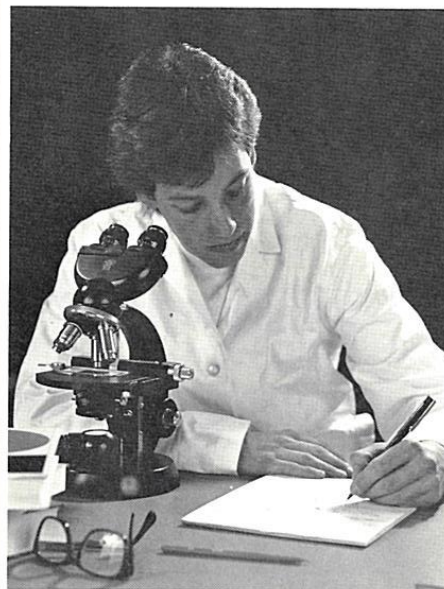
Bachelor of Science

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent. Applicants must include OAC (or equivalent) in English and Calculus as well as three courses selected from: Algebra, Algebra and Geometry, Functions and Relations, Finite Mathematics, Chemistry, Physics and Biology.

The General Science degree program was developed primarily for adult students, though high school graduates are eligible to enroll in this program as well. Designed to offer the maximum flexibility to students, this program does not specify particular required courses as a major program would. Thus, the student is able to select courses from a broad range of disciplines in accordance with his or her individual interests.

Course selection may be limited by the student's grade 13/OAC program. For example, a student lacking grade 13/OAC chemistry would not be allowed to register in certain university level chemistry courses.



Geography

DEGREES/DIPLOMAS OFFERED:

Bachelor of Arts
Honours Bachelor of Arts
Bachelor of Science
Honours Bachelor of Science

ADMISSION REQUIREMENTS:

B.A. and H.B.A.

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent including English.

ADMISSION REQUIREMENTS:

B.Sc. and H.B.Sc.

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent. Applicants must include OAC (or equivalent) in English and Calculus as well as three courses selected from: Algebra, Algebra and Geometry, Functions and Relations, Finite Mathematics, Chemistry, Physics and Biology.

Geography is the study of the world we live in and how we live in it. Its great strength is as a generalizing discipline. Geographers learn to interrelate physical factors such as climate, landforms, soil and vegetation with human elements such as economic efficiency, social well-being and culture.



The first two years you will spend in geography at Lakehead will provide a broad background in both human and physical geography, showing how they interrelate to create the world around us. By third year, you will turn to more specialized areas, where this broad background is applied to more specific problems — as in resource geography, urban geography and environmental geomorphology. The fourth year provides for much greater exposure to research methods and practical applications to real-world problems — in such areas as climatology and recreation geography. You will also be directly exposed to the gathering, analysis and writing of original research through the honours dissertation.

Geography provides the key to a great many areas of work, depending on the third and fourth year options chosen. It is no longer true that most geographers teach. The largest numbers now go into government. Planning departments at all levels are major employers of geographers, as are environmental organizations, and parks and recreation offices. Almost any occupation dealing with the land or with human behaviour on the land is open to the competent geographer.

Geology

DEGREES/DIPLOMAS OFFERED:

Bachelor of Science
Honours Bachelor of Science
Master of Science

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent. Applicants must include OAC (or equivalent) in English and Calculus as well as three courses selected from: Algebra, Algebra and Geometry, Functions and Relations, Finite Mathematics, Chemistry, Physics and Biology.

Geology is a science dedicated to the study of the many processes which have affected the earth for nearly five billion years.

The last twenty years have been revolutionary for the geosciences in two major ways. First was the emergence of a new version of continental drift, namely plate tectonics. The idea that the earth's crust and part of the mantle can be divided into a number of rigid plates which move apart at mid-ocean ridges and converge at trenches and young mountain belts, has had a profound impact on our theoretical concepts of the earth.

The second event which has focused renewed attention on the geosciences was the world-wide realization that global resources of oil and gas were finite. This recognition has prompted many nations to take inventory of not only their petroleum reserves but also of other energy and mineral resources.



Career opportunities in geoscience at present are exceptionally bright and should remain so well past the year 2000. The demand for geologists to find new sources for the diminishing global supply of minerals and fuels will continue to be high.

History

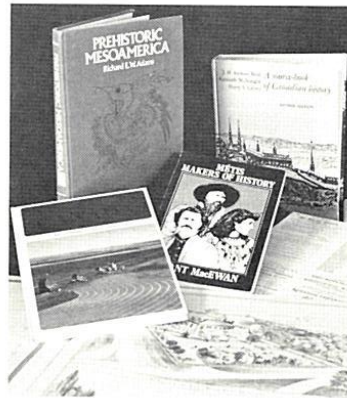
DEGREES/DIPLOMAS OFFERED:

Bachelor of Arts
Honours Bachelor of Arts
Master of Arts

ADMISSION REQUIREMENTS:

Minimum of 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent including English.

Lakehead's history program is designed to lead you, by stages, to an understanding of the historian's craft, and of the historical process itself. Introductory courses in the first year will acquaint you with historical methods and the nature of historical debate. In subsequent years, when classes are generally small, it not only offers you a closer appreciation of the sources from which historical knowledge springs, but also enables you to pursue your special interests in close collaboration with teaching members of the department. Honours students in their fourth year are encouraged, as far as local and library resources allow, to use and analyze some of the basic documentation in their field of study.



Graduates of Lakehead's history program can be found in business, government service, teaching, law, journalism and museum work. Many students, moreover, accept the idea that history is studied not only for its occupational utility but also for its intellectual rewards.

Languages

DEGREES/DIPLOMAS OFFERED:

Bachelor of Arts
Honours Bachelor of Arts
Certificate of French Proficiency

ADMISSION REQUIREMENTS:

Minimum of 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent including English and French.

A knowledge of other languages is essential to both Canada and the rest of the world. Every year the world becomes smaller as the economic and cultural ties linking one country with another mature. In Canada itself the ability to communicate well in French is becoming necessary in more and more professions. In Northern Ontario Native Languages are beginning to receive attention. The Department of Languages reflects these realities by providing training in Classics, Cree, French, Finnish, German, Greek, Italian, Latin, Ojibwe, Russian and Spanish.

The objectives of the department are twofold: first, to help students develop advanced proficiency in speaking and

writing a second or a third language; and second, to provide direct access to the accumulated experience of cultures other than our own.

In our department you may specialize in one or more languages or simply acquire a skill which will be useful to you professionally. The fields you can enter are endless: teaching, government, business, engineering, forestry, nursing, tourism, trade, translation. Students come to our department from every field because there is virtually no career or profession in which an ability in another language is not either an advantage or essential.

All the members of our department have had lengthy experience living where the languages we teach are spoken and we know that language and culture are interdependent. We therefore believe strongly that a period of residence in Quebec or in Europe is the best way for a student to develop excellence. We have run immersion programs in both Canada and in Europe and we have had an exchange program with France for over ten years.

Our department uses the full range of audio-visual aids. We have two language labs, an individual study lab, videotapes, slides, films and now, computers, but we are sure that our relatively small classes and excellent student-faculty rapport are not just a luxury — they are crucial to successful language learning.





Library Technology

DEGREES/DIPLOMAS OFFERED:

Diploma in Library Technology

ADMISSION REQUIREMENTS:

Satisfactory completion of Ontario grade twelve (or equivalent) with a minimum 60% average on advanced level courses.

Almost everyone has used a library at one time or another, sometimes to gather information and other times simply to borrow a book for leisure reading. To acquire these materials, to organize them and then make them available to the public requires people with enthusiasm, an ability to work accurately and a desire to serve the public. The library technician, usually working under the direction of a librarian, is trained to work as part of a team in accomplishing these tasks.

The program of studies for a library technician will take you two years to complete. It is made up equally of practical library-related courses and broader courses from the fields of arts, business administration and education. In addition you will spend three weeks working in different types of libraries to obtain direct practical experience. Emphasis is placed throughout the program on the use of the computer in handling library routines.

As a graduate you will find employment in all types of libraries: school, university and public, as well as libraries serving government departments and corporations. Those choosing to continue on to a degree will find the training in library research skills an invaluable asset in later studies.



Mathematics and Computer Science

DEGREES/DIPLOMAS OFFERED:

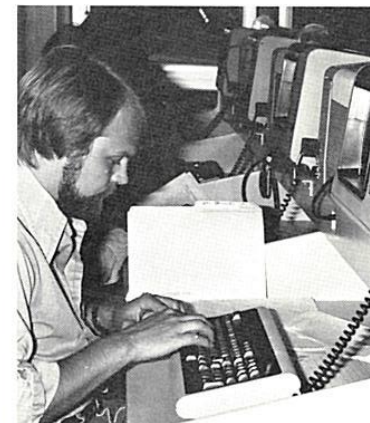
Bachelor of Arts
Honours Bachelor of Arts
Bachelor of Science
Honours Bachelor of Science
Master of Arts
Master of Science

ADMISSION REQUIREMENTS:

B.A. and H.B.A.
Minimum 60% average SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent including English, Calculus and one of Algebra, Algebra and Geometry, or Functions and Relations.

B.Sc. and H.B.Sc.
Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent. Applicants must include OAC (or equivalent) in English and Calculus as well as three courses selected from: Algebra, Algebra and Geometry, Functions and Relations, Finite Mathematics, Chemistry, Physics and Biology.

Computer Science is certainly one of the most visible branches of mathematics today. Here at Lakehead we have several undergraduate programs leading to degrees with specialization in numerical analysis or software. We are very fortunate to have one of the most modern computer installations in the country, emphasizing hands-on interactive computing with easy access. Our graduates have no difficulty obtaining positions; even undergraduates find very profitable and interesting employment both during term and in the vacation periods.

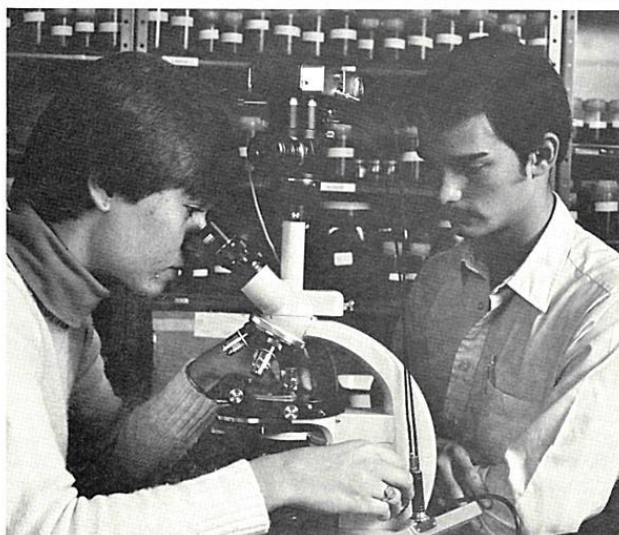


Actuarial Science is not as widely known as computer science: actuaries specialize in the evaluation of risk, to design insurance and pension programs. At Lakehead we have a four-year program emphasizing Actuarial Science, and the Society of Actuaries examinations can be written here. This specialization is a unique blend of mathematics (mostly statistics) and business with exceptional opportunities for an interesting career.

The more traditional branches of mathematics do not provide definite career paths, but our graduates are in demand and obtain employment in a wide variety of occupations. Some large business firms, for example, will interview only commerce or mathematics graduates! As one business executive said, "We like to hire people who can think."

Most of our mathematics majors take up the subject because they like it and are good at it, and they know there will be little difficulty in finding suitable employment when they graduate.

Medical Laboratory Sciences



DEGREES/DIPLOMAS OFFERED:

Honours Bachelor of Science

ADMISSION REQUIREMENTS:

Registered Technologist certification (certified or pending with the Canadian Society of Laboratory Technologists (CSLT)).

The H.B.Sc. (Medical Laboratory Science) program is designed to give Medical Laboratory Technologists, who have completed their Registered Technologist (R.T.) examinations of the C.S.L.T., the opportunity for advanced level education in the Medical Laboratory Science field.

The program, which consists of a balance of academic and professional courses, is given by Lakehead's Faculty of Arts and Science and the professional

staff of McKellar General Hospital. It is structured to prepare students for their Advanced Registered Technologist (A.R.T.) examinations in one of the following subjects: Clinical Chemistry, Hematology, Histology, Immunohematology, or Microbiology.

Since the first graduating class in 1976, all graduates have been able to obtain responsible positions in hospital laboratories or have continued their education (e.g., two of our graduates obtained their MD degrees in 1980). Others are currently enrolled in graduate programs in Canada and U.S. universities.

Ontario students are eligible for Ontario Student Assistance Program grants and loans. Students from other provinces may be eligible for grants from their home provinces because the program is unique — the only one of its kind offered in Canada.

Nursing

DEGREES/DIPLOMAS OFFERED:

Honours Bachelor of Science in Nursing

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent including English, Biology and Chemistry. Mathematics is strongly recommended.

As a graduate of the Honours Bachelor of Science in Nursing program you will be able to utilize effectively nursing and problem solving skills. In addition, you will have developed your interpersonal and communication techniques to a high level of competence. Throughout the four years you spend at Lakehead University there are a variety of opportunities to practice these skills in the laboratory, in hospital clinical settings and through home visiting in the community.

In addition to learning nursing skills, you will pursue studies and research in disciplines such as psychology, sociology and anthropology. Students complete their undergraduate training by writing the examinations for Registered Nurses.

Well-prepared nurses are in great demand at the staff level and in leadership roles. You will be able to choose from a variety of job settings, including hospital clinical areas, community health agencies or international health organizations.



Outdoor Recreation

DEGREES/DIPLOMAS OFFERED:

Honours Bachelor of Outdoor Recreation

ADMISSION REQUIREMENTS:

H.B.O.R. and H.B.O.R./B.A. (Geography): Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent including English.

H.B.O.R./B.Sc. (Natural Science): Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent. Applicants must include OAC (or equivalent) in English and Calculus as well as three courses selected from: Algebra, Algebra and Geometry, Functions and Relations, Finite Mathematics, Chemistry, Physics and Biology.



Outdoor Recreation emphasizes recreational activities and leisure pursuits which relate to and depend upon our natural environment. The program covers both the theoretical and practical components of outdoor leisure. Students can further enhance their knowledge base and employability by following one of the double degree programs which combine Outdoor Recreation with either Arts (Geography) or Science (Natural Science).

The theoretical portion of the program covers courses such as leadership techniques, group dynamics, organization and administration, recreation facilities planning and management, research and statistics, problems in the field, plus many more.

You will also learn skills to complement your theoretical knowledge such as skiing, canoeing, camping, sailing, rock climbing, summer and winter survival, map and compass reading. You will become competent and knowledgeable in applying these skills, and organizing and administering recreation programs which incorporate them.

A special timetable for this course is designed to allow you to take advantage of all four seasons. You will find that the Northwestern Ontario setting of Lakehead University is particularly conducive to the Outdoor Recreation program.

Career opportunities are available in the federal, provincial and municipal levels of government, recreation agencies, youth serving agencies and other private and public recreation organizations.

Philosophy

DEGREES/DIPLOMAS OFFERED:

**Bachelor of Arts
Honours Bachelor of Arts**

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) (or equivalent) including English..

Philosophy interests people with a "bump of curiosity" — those who want to know "Why?". Philosophical questions refer to the foundations of things: for instance, does only matter exist, or are there souls or minds as well? Is there a cause for everything we do, or do we have freedom of choice? Such questions have practical importance. For instance, how should society deal with criminals? That depends on the answer to the question about freedom of choice, whether crime is the inevitable result of adverse personal or social circumstances, or whether it is freely chosen.

Such questions are not easy to answer. As a philosophy student you will study the writings of earlier philosophers, assessing the strengths and weaknesses of their arguments. This is a matter of careful reasoning, taking into account what we know of human experience and behaviour, and of scientific findings. There are no "right answers" that everyone accepts; but many answers, plausible at first sight, which can be proven wrong. Philosophy trains you to think; to understand problems and to work out your own answers.

What good will philosophy do you? If you apply yourself, you will improve your ability to read accurately, think critically and write clearly. These are important assets in many lines of work.



There are combined honours and double major programs that are worth considering: Philosophy and another discipline such as Religious Studies, English, History, Psychology or Sociology. Such a program adds content and depth to your understanding of both the other discipline and Philosophy.

Physics

DEGREES/DIPLOMAS OFFERED:

Bachelor of Science
Honours Bachelor of Science
Master of Science

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent. Applicants must include OAC (or equivalent) in English and Calculus as well as three courses selected from: Algebra, Algebra and Geometry, Functions and Relations, Finite Mathematics, Chemistry, Physics and Biology. Applicants to B.Sc. (Natural Science) program may be eligible for admission without some of the course requirements listed above.

The laws of physics express relationships between physical quantities such as length, time, force, energy and temperature. These laws are generalizations from observations and experimental results and are usually expressed as mathematical equations. The equations then can be used to make predictions about other phenomena and to test the range of validity of the law.

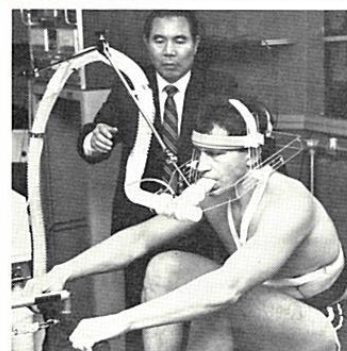


For example, Newton's laws of gravitation and Newton's laws of motion can be used together to predict the orbits of planets, comets and satellites. It is usually easiest to learn physics and the necessary mathematics at about the same time since the immediate application of the mathematics to a physical situation helps one understand both.

As a Lakehead physics major, you will study the core subjects of electricity, optics, thermodynamics, classical mechanics and quantum mechanics. In addition you will learn laboratory techniques for physical measurement and data handling.

As a graduate you will have many opportunities to apply your skills. If you choose to continue your training beyond the bachelor's level, you may specialize in physics areas such as nuclear physics, solid state physics, astronomy, etc., or you may choose shared disciplines such as geophysics, biophysics or meteorology to name a few.

Physical Education



DEGREES/DIPLOMAS OFFERED:

Honours Bachelor of Physical Education
Master of Science
Master of Arts

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent. Applicants must include OAC (or equivalent) in English and Calculus.

Note: Candidates with an acceptable university entrance program but not including Chemistry will be considered on an individual basis. Candidates admitted without Grade 13 Chemistry will be required to take Chemistry 1060 as one of their first year options.

The Physical Education program at Lakehead University combines theory and practical application into a comprehensive, four-year degree program.

The course of studies includes required courses in Arts and Sciences, required and elective courses in Physical Education, and elective courses from any faculty. This formulation allows for a

wide variety of selections which permits individuals to choose studies which are of particular interest to them. Within Physical Education, students are required to take a broad spectrum of courses and then select streams of emphasis to obtain specialist capacities. The flexibility of the offerings allows a student to study physical activity related pursuits in depth as well as indulging interests in other fields.

Graduates who plan to teach will qualify for admission to teaching certificate programs in faculties of education in Ontario. The consideration of double-major or strong minor study programs is enthusiastically encouraged. Careful counselling and career advisement programs prepare students well for post-graduate employment or advanced study opportunities.

Other career options in physical education are numerous and include managing or instructing in sports facilities (e.g., recreation complexes, golf clubs, ski resorts), coaching, sports telecasting and broadcasting, working on programs for handicapped people, government sports administration, teaching and many more.

Political Studies

DEGREES/DIPLOMAS OFFERED:

Bachelor of Arts
Honours Bachelor of Arts

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent including English.

A degree in political studies will give you a thorough understanding of government and the political system. You will learn about the various aspects of Canadian politics such as the federal system, voting behaviour, political parties and pressure groups.

You will also discover the field of public administration which is to government what management training is to business. It is relevant to employment not only in government but also in health, human service or other related agencies.

The program covers the field of comparative politics and public policy which provides an opportunity to learn something about other political systems in the west, the third world and the communist areas. There are also courses dealing with the field of International Relations (including the United Nations), Canadian foreign policy, and the international role of states with advanced military capability and economic resources.

Finally, there are courses offered in the field of political theory. These courses are concerned with the degree to which societies, organized along capitalist, socialist, anarchist or other principles, will allow ideals such as justice, freedom and equality to take root and flourish.

A degree in political studies opens the door to a career in law, business or federal, provincial and local levels of government.



Psychology

DEGREES/DIPLOMAS OFFERED:

Bachelor of Arts
Honours Bachelor of Arts
Bachelor of Science
Honours Bachelor of Science
Master of Arts

ADMISSION REQUIREMENTS:

B.A. and H.B.A.
Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent including English.

B.Sc. and H.B.Sc.
Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent. Applicants must include OAC (or equivalent) in English and Calculus as well as three courses selected from: Algebra, Algebra and Geometry, Functions and Relations, Finite Mathematics, Chemistry, Physics and Biology.

Psychology refers to both the science and profession concerned with understanding and influencing the thoughts, feelings, emotions, and behaviour of individuals.

Psychologists' careers are not always similar. For example, one particular psychologist will work in a mental health clinic, and spend most of his or her time interpreting psychological tests and doing psychotherapy with people. Another psychologist may have been trained both as a scientist and a practitioner and will work for a management firm, consulting with clients on executive selection, organization, development, or career path planning. A third psychologist may have been trained as a scientist and will spend most of his or her working time in a research laboratory doing research with either humans or animals. This diversity of careers is



due to the fact that, at Lakehead University, students may begin their training through either an Arts or Science program.

What virtually all psychologists have in common is that through their work, whatever it may be, they hope to make a positive contribution to human welfare. Studying psychology at Lakehead University should prove to be a beneficial and satisfying experience for anyone. The more a person knows and understands about thinking, feeling, emoting and behaving, the better he or she will be able to appreciate and cope with the complex world we live in.

Religious Studies

DEGREES/DIPLOMAS OFFERED:

Bachelor of Arts

(Religious Studies as a major or minor in combination with an allied discipline)

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent including English.

Lakehead University's religious studies program is designed to create a greater understanding of different religions. It is a program which examines origin and theory and calls upon the resources of many disciplines in the humanities and social sciences. In order to deepen and broaden your understanding of religion, courses in literary appreciation, analysis and other methods of study will be offered. Different descriptions and explanations of religious phenomena and critical appraisal of different kinds of arguments and modes of apprehension enable you to develop awareness of your own and others' viewpoints.



Students majoring in other subjects — fine arts, history, music, philosophy, literature and languages, anthropology, sociology and psychology — which draw heavily on the religious traditions of the past and whose disciplines are intertwined with religion, will find this program a valuable help to their fields of study. Those of you who intend to be teachers, ministers, religious directors or counsellors will also benefit from this carefully structured program.

Social Work

DEGREES/DIPLOMAS OFFERED:

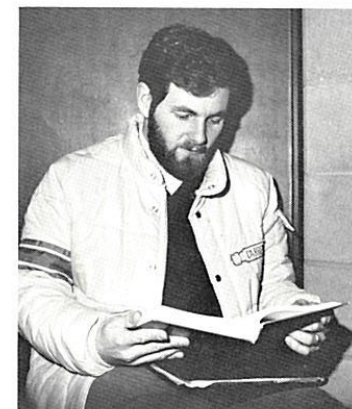
Honours Bachelor of Social Work

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) or equivalent including English.

The growing and challenging profession of social work is founded on humanitarian concerns about the needs of individuals, families, groups and communities. Social workers believe in the dignity and worth of each human being regardless of individual differences.

The Department of Social Work at Lakehead University provides you with an excellent opportunity to enter this important profession. The Honours Bachelor of Social Work degree (H.B.S.W.), which the University awards, is recognized as the first professional degree in social work. In working toward this four-year degree you will combine study in the liberal arts with a professional education. You will be involved in both classroom work and supervised field instruction in human service agencies. In your field work of two full terms you would be the student social worker to several clients in your placement agency. This agency might be a child welfare agency, a psychiatric or medical hospital, a correctional agency, a primary or secondary school, or other setting depending on your interests and educational needs. Your required professional classroom courses include social work theory and practice, human behaviour and environment, and social policy. Elective work could include courses in crisis intervention, treatment of drug and alcohol abuse, social work with families and groups, and problems of human sexuality.



There are many opportunities open to graduates of the Lakehead University social work program. Employment opportunities exist in child welfare agencies, psychiatric clinics and hospitals, youth programs, rehabilitation centres, courts, prisons, family agencies and other settings. With the H.B.S.W. degree you are also eligible to undertake graduate studies at the Master's degree level and eventually at the doctoral level.

Sociology

DEGREES/DIPLOMAS OFFERED:

Bachelor of Arts
Honours Bachelor of Arts
Master of Arts

ADMISSION REQUIREMENTS:

Minimum 60% average on SSHGD or OSSD including 6 Ontario Academic Courses (OAC) (or equivalent) including English.

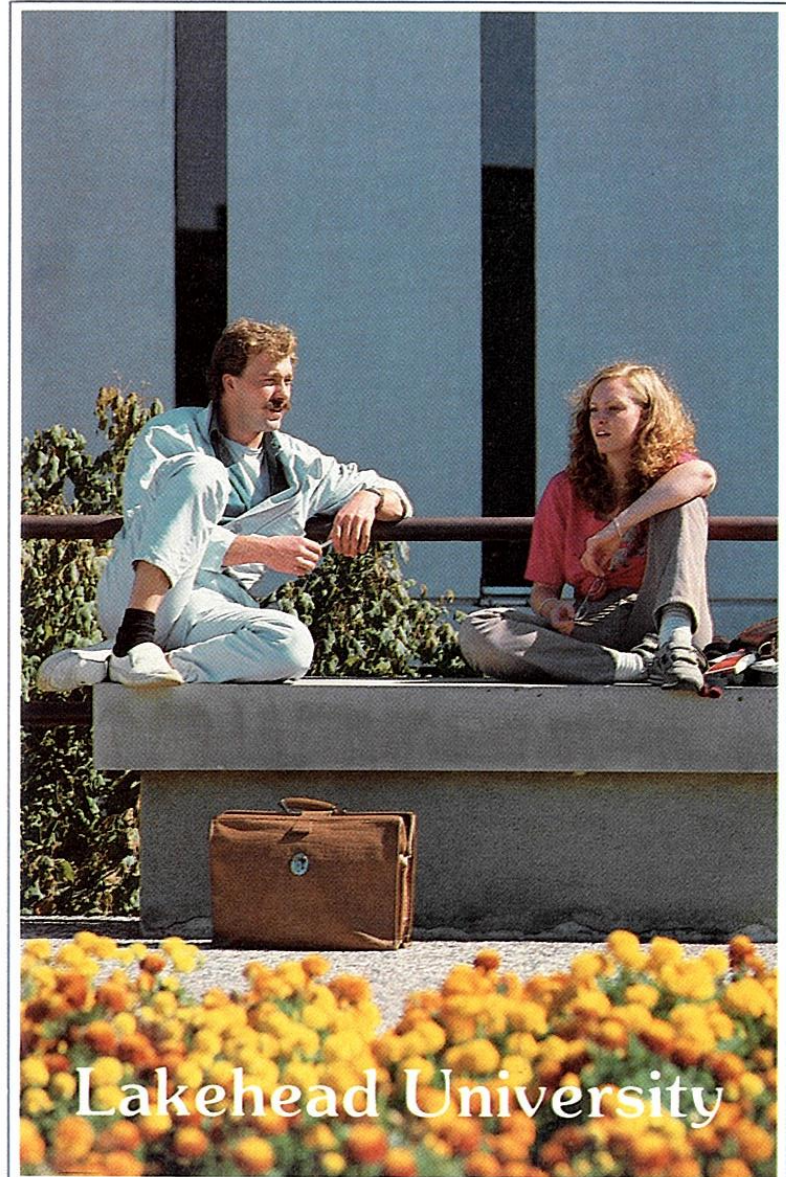
As a sociology major at Lakehead University, you will have the opportunity to study problems in our society. The relationships between Indians and whites, or between the English and French, are covered in selected courses, as are problems in industrial health, crime and delinquency, inequality, the population explosion, bureaucratic red tape, and the abuse of power in various societies.

In addition, you will have the opportunity to learn the ideas and insights of such famous thinkers as Plato, Aristotle,

Marx and Weber about the human condition. You will learn the essentials of social research — how to design questionnaires, conduct interviews, and carry out surveys.

For those of you who wish to pursue sociology at the honours or graduate levels, course content will concentrate on Northwestern Ontario. You will study the effects of industrial capitalism on hinterland areas, the difficulties of life in isolated, single-industry communities, and the problems of adjustment for traditional peoples in the face of modernization and industrialization.

A variety of job opportunities await you when you graduate. Many graduates go on to teach in public schools, community colleges and universities. Others find employment in government offices and correctional institutions. Sociology is especially useful for those working in the areas of crime prevention and correction, manpower deployment, immigration and development and statistical offices.



Lakehead University

Financial Assistance For Students

Like many students you may find that your monetary resources fall short of the amount needed for a year of university. Assistance is available however, in the form of government loans and grants, and university scholarships, bursaries and awards.

I Government Assistance for Canadians and Permanent Residents of Canada (Full and Part-Time Students)

(i) FOR RESIDENTS OF ONTARIO OSAP (Ontario Student Assistance Program)

Under the OSAP program, you qualify for assistance on the basis of your financial need, not on your level of academic achievement. This program provides assistance in various forms to eligible full-time and part-time students. Depending on the eligibility and the level of need, a student may receive assistance in the form of a grant, a grant plus a loan, or all loan. Full-time and part-time study loans are interest-free during periods of full-time and part-time study, respectively. Grants are non-repayable.

Assistance is to supplement, not replace your own financial resources and those of your immediate family. You will be expected to contribute to the cost of your own education and, depending on your circumstances, your parents or your spouse may also be expected to contribute. While it is difficult to provide detailed advice to married students because of varied circumstances, couples should note that the Ontario Student Assistance Program makes little provision for the support of the family of married students.

Students who are experiencing family or personal problems and cannot see their way clear to attend Lakehead University for financial reasons, are strongly urged to contact the Student Services Office.

Further details and application forms are available from the Student Services Office or Ontario high schools in late March. You should apply for OSAP as early as possible; it is not necessary to wait until you have received your acceptance from the University before applying.

(ii) FOR RESIDENTS OUTSIDE ONTARIO

Each province and territory in Canada administers a government student financial aid plan very similar to the Ontario Student Assistance Program described above. Contact your provincial authority as early as possible for further details and applications.

II University Financial Assistance To Full-Time Students

(i) ENTRANCE BURSARIES

Eligibility — awarded on the basis of *financial need* to students entering first year with no previous post-secondary education.

Listing of bursaries and applications — available from the Student Services Office. Deadline May 13.

(ii) ENTRANCE SCHOLARSHIPS AND AWARDS

Eligibility — awarded on the basis of *academic achievement*. All students entering first year with no previous post-secondary education are *automatically* considered for all scholarships, with the exception of four awards. Applications are available from Student Services. Deadline May 13.

Among the many entrance scholarships awarded each year, Lakehead University is especially proud to be able to award an \$8000 Lakehead University Presidential Scholarship to two exceptional high school students. Ten other high ranking students will be eligible to receive a \$4000 Lakehead University Entrance Award of Academic Excellence. A minimum \$500 Lakehead University Entrance Scholarship is awarded to each student entering L.U. upon graduating from high school with an academic standing of 80% or higher. The remaining scholarships include some which are open to students applying for admission into any program and others which are available to students interested in specific programs. There are also awards of special interest to students graduating from Northwestern Ontario High Schools and from Port Arthur Collegiate Institute.

Students on student visas are eligible to apply for a Lakehead University Entrance Scholarship valued at \$1000. A letter of application and transcript should be submitted by May 13.

(iii) IN COURSE BURSARIES

Awarded on the basis of financial need to students who have previously attended any post-secondary institution. These bursaries are listed in the University calendar. Most of these bursaries are not awarded until the second term, approximately mid-February. Applications available September 4 and December 1.

(iv) IN COURSE SCHOLARSHIPS AND AWARDS

Eligibility — awarded to Lakehead University students registered full-time during the full length of the previous September - April Academic year. These Scholarships and Awards are listed in

the University calendar. Special awards may be made to students entering Lakehead University from another post-secondary institution or who have studied part-time. Further details may be obtained from Student Services.

(v) EMERGENCY LOANS

These loans, in amounts of up to \$200, are available on an interest-free basis to students experiencing temporary financial problems. An interview with the Director of Student Services is required and adequate repayment terms must be demonstrated.

ONTARIO WORK STUDY PLAN - OWSP:

Students who are interested in working part-time on campus and have a demonstrated need for funds according to the Ontario Student Assistance Program (OSAP) criteria, should contact Student Services regarding participating in the Ontario Work Study Program. This student employment plan enables students to earn up to \$1,000 per term and thereby defray their educational expenses.

For further information on costs and financial aid contact:

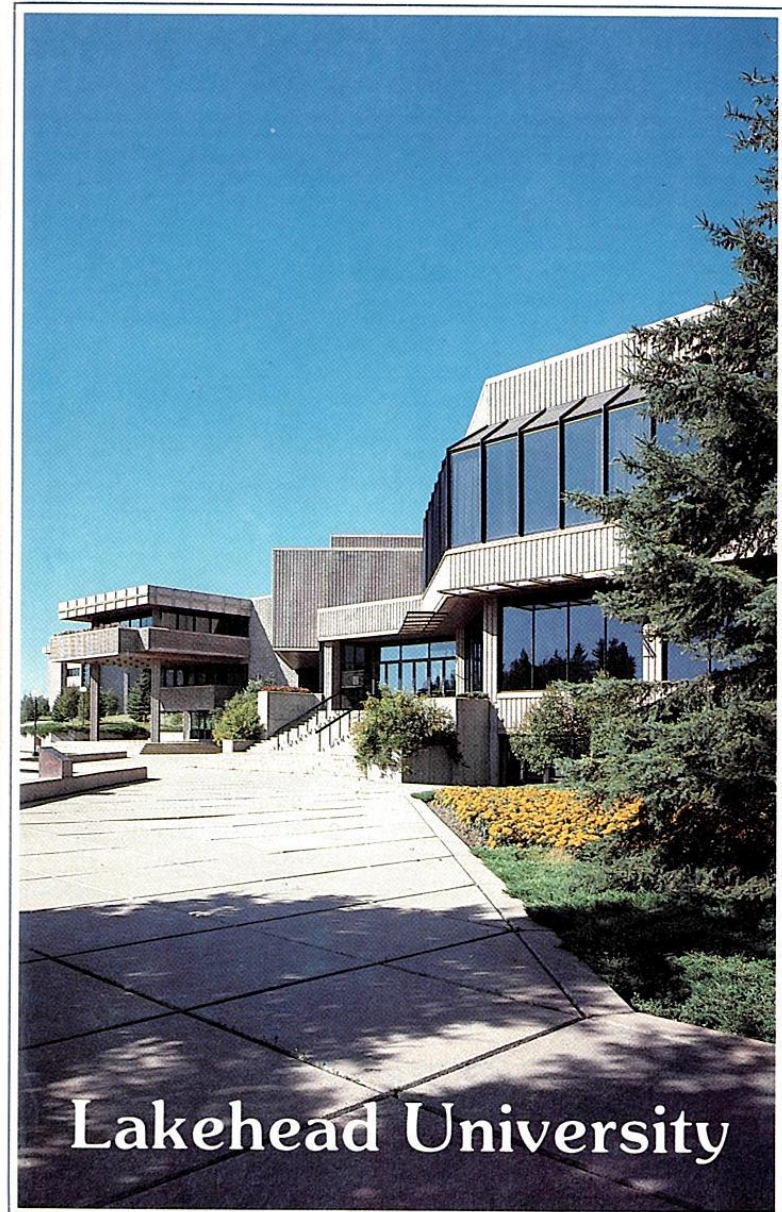
Student Services Office
Lakehead University
Thunder Bay, Ontario
P7B 5E1
(807)-343-8206

The Campus

Small, modern, and set in a rugged area of Ontario, Lakehead University offers a wide range of personal educational opportunities. Relatively small class sizes encourage communication between students and faculty, allow greater opportunity for "hands on" experience in labs and easier accessibility to a wide range of facilities as diverse as computers and squash courts. A variety of campus clubs bring students together on the basis of shared interests and goals. Many clubs are involved with local and national endeavours in addition to serving the immediate needs of their members. The Student Union offers each student the opportunity to become involved in academic, political and social affairs both on and off-campus. Classic and modern movies are screened on a

weekly basis. Local dramatic groups present their work in the campus theatre. Dances and concerts, showcasing national and regional talent, are held regularly. A library housing 500,000 volumes, modern laboratories, extensive research facilities, and lecture rooms of all sizes support the academic activities of the University. In deference to our northerly location, many of the buildings are connected by an underground tunnel for comfortable walking during inclement weather. In addition, the Bookstore, a variety store and a Personal Touch Banking machine are located on campus.

The Campus is situated on approximately 150 hectares of scenic, wooded land overlooking the city of Thunder Bay. Most of the University's buildings are grouped around a man-made lake with the residence complex hugging the wooded banks of the McIntyre River. Many people take advantage of the paved trails leading into, out of and around the campus for walking, jogging, bicycling or, in the winter, cross-country skiing! Though several city attractions lie within walking distance, Thunder Bay buses service the University and all parts of the city on a regular basis. Whether on-campus or off, students enjoy the best of both at Lakehead University.



Cost of University

What will your year at Lakehead University cost? Although the costs will, of course, vary with your personal spending habits, the following information will provide you with a useful guideline.

TUITION

Costs for tuition vary depending on the program you will be enrolled in for the year. Check the chart below for your program to find out the costs of tuition, field trip fees, books, supplies and equipment, etc.

Undergraduate Full-Time Program Costs — Tuition Fees (1987-88)

(Does not include Installment Fee of \$25.00 and compulsory Activity Fee of \$112.00)

	Canadians and Permanent Residents	Visa Students	Field Trip Fee 1986-87 rate	APPROX. cost Books, Supplies Equipment, Field Experience
Engineering Technology	797	5,004	15	600
Forest Technology — 1st year	797	5,004	120	650
— 2nd year	797	5,004	200	550
Library Technology — 1st year	797	5,004	n/a	350
— 2nd year	797	5,004	200	450
Applied Science	1,440	8,159	n/a	500
Arts, General & Honours	1,325	5,004	n/a	350
Science, General & Honours	1,325	5,004	n/a	350
Arts or Science with				
Outdoor Recreation	1,325	5,004	110***	*500 - 1,000
Bachelor of Outdoor Recreation ...	1,325	5,004	110***	*500 - 1,000
Bachelor of Administration	1,325	5,004	n/a	500
Commerce	1,325	5,004	n/a	500
Education — Concurrent	1,325	5,004	n/a	400
Engineering Degree	1,325	8,159	15	750
Fine Arts	1,325	5,004	n/a	**350+
Forestry Degree — 1st year	1,325	8,159	100	600
— 2nd year	1,325	8,159	100	500
— 3rd year	1,325	8,159	120	500
— 4th year	1,325	8,159	400	600
Graduate Diploma in Business	1,325	5,004	n/a	550
Nursing	1,325	8,159	n/a	600
Physical Education	1,325	5,004	40	500
Social Work	1,325	5,004	n/a	400
Native Teacher Education	1,325	5,004	n/a	400

*Costs will vary depending on the amount of equipment the student already owns.

**Costs vary depending on option.

***In addition to the above-noted fees, food & accommodation expenses for field trips in years 3 & 4 will range from \$189.00 to \$283.00 depending on the number of days involved.

Personal and Living Costs

As well as putting away money for tuition, students have to plan ahead for the costs of day to day living while they are studying. These costs can vary widely depending on a number of factors such as the type of accommodation you choose, and your own personal spending habits. The chart below will help you estimate these costs for a year.

Personal and Living Costs (September - April)

	IF YOU WILL BE LIVING	
	At Home	Away From Home
Lodging and Food	\$1,200*	\$3144 (87/88 rate)
Local Travel	\$ 300	\$ 300 (if living off-campus)
Trips Home (2)	\$	\$ 400 (varies with distance)
Miscellaneous	\$ 2000	\$ 2000 (e.g. entertainment, personal needs, laundry, dental/prescriptions, gifts, snacks, clothing, stationery, stamps, etc.)
Approximate Total	\$3,500	\$5,844

*Cost to your parents if you don't pay room and board.

NOTE: All students are required to provide themselves with medical and hospital insurance. Many students will already be covered under a Family Plan. A student is no longer covered under a Family Plan when he turns age 21.

Overseas students are eligible for immediate coverage under OHIP if they apply within 30 days of their arrival in Ontario.

Ontario Health Insurance Plan (OHIP) cost for a single person is \$357.00 per year.

Application for coverage may be made at the time of registration at the Lakehead University Health Unit.

Now add your Program Costs to your Personal and Living Costs to determine the approximate total cost of attending Lakehead University.

How much money will you have to cover these costs?

Parents' contribution
(cash and/or service in kind,
e.g. free lodging & food) _____

Summer work-term savings _____

Other savings investments _____

Monetary gifts _____

Other income _____

Total _____

Student Life

The university experience is not limited to simply attending lectures and laboratories. It is a composite of in-class and out-of-class learning; of meeting new friends, sharing new experiences, and discovering new insights about the world and yourself. To introduce you to all of these dimensions of university life, the student union actively promotes a variety of social activities throughout the year, beginning with Orientation Week in September. With tours of the campus and its facilities, tours of the city and area, and a number of other activities, such as barbecues, films, pub nights, and concerts, you will find yourself feeling at home very quickly. Throughout the year concerts, speakers, films, and special events such as Winter Carnival will keep your social life as active as you wish it to be.

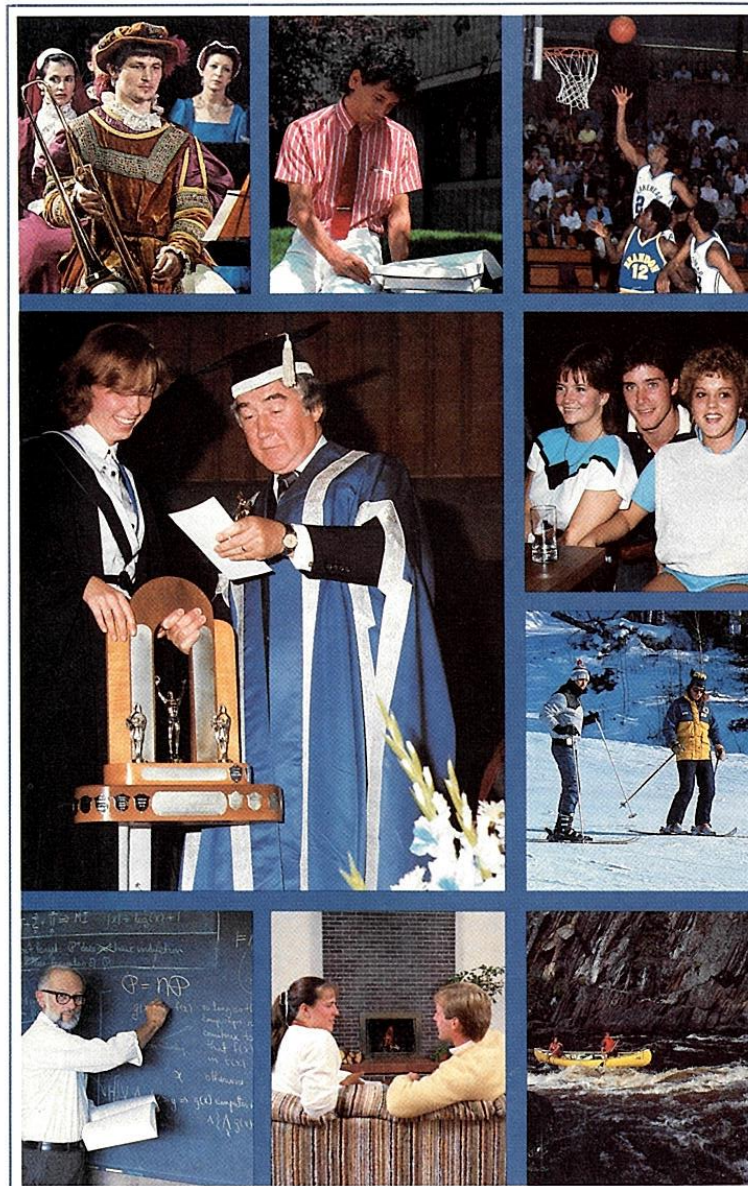
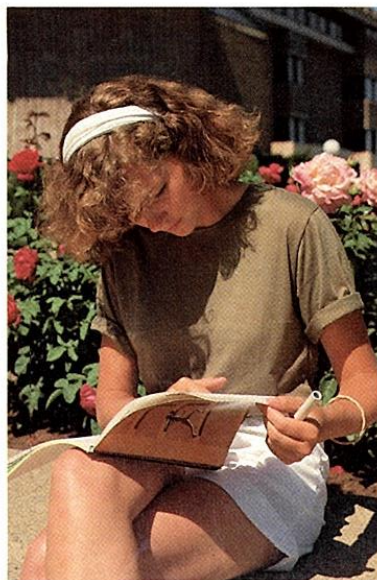
Clubs

Approximately thirty different clubs are active on campus each year and appeal to a variety of interests. There are clubs of an academic nature such as the Education Students Society, Geology Club, and others. Recreational clubs abound, for example Kayaking Club, Outdoor Club, Rugby Club, Ski Club, and many others. As well, there are a number of clubs which do not fall into any particular category such as the Film Society, U.N. Club, and Lakehead University Christian Fellowship, to name a few. Whatever your interests happen to be, you will likely be able to find a group which shares them.

Athletics

The athletics program at Lakehead University provides a variety of activities for you. The intramural program offers the chance to participate in a wide range of sports from badminton and squash to football and water polo. As a

member of one of Lakehead's intercollegiate teams (basketball, volleyball or wrestling), past teams have competed in the Great Plains Athletic Conference with teams from Manitoba, Saskatchewan, and the northern United States. New for the fall of 1988, Lakehead University will be competing in the Ontario Universities Athletic Association (OUAA) and the Ontario Women's Intercollegiate Athletic Association (OWIAA). As well as participating in group sports, the athletic facilities are yours to use on an individual basis as well, with pool, weight room, squash and tennis courts, indoor track, saunas and gym made available for individual use throughout the week.



Accommodation

Residence

Most students coming to Lakehead University for their first year find that residence is not only the most convenient accommodation to have, but also the least expensive.

Two complexes comprise the residence facilities at Lakehead. The Prettie Residence is primarily for female students. The Bartley residence consists of a group of ten interconnected houses, each named after a northwestern Ontario community. Male and female students in the Bartley Residence are separated by house, or by floor within a house. The residence application contains a section in which you can express a preference for a particular house if you wish, though all of the houses are virtually identical.

As a first year student you will likely be allotted a double room to be shared with another student. Should you wish to be placed with a particular individual, the residence application allows you to request this. If no preference is indicated on your application, the residence office will attempt to place you with someone in a similar program and with similar interests. Single rooms are available but are usually allotted to students who have been in residence for more than one year.

The rooms in residence are furnished and a linen service is provided (bedding is supplied but you must bring your own towels). Facilities in the residence complex include storage areas, coin laundry, a coffee house, vending machines and two social centres.

The cost of residence in 1987/88 amounts to \$3309 for a single and \$3144 for a double room. Included in this cost is a meal plan which provides for three meals per day, seven days a week.

Application Procedures: As rooms are allotted on a first come - first served basis, it is important to submit your residence application as soon as you receive it. Along with the application a \$100 application deposit is required. Should you be offered a place in residence an additional \$100 reservation deposit will be required to hold the room for you. At registration time this money will be credited to your residence fees. Should you wish, you may pay the residence fees in two installments, one in September and one in January. The deposit funds will be refunded to you in full if: a) you are not offered admission to the university; b) you are not offered a place in residence; or c) you notify the Director of Residence in writing by August 1 that you no longer wish to be accommodated in the Lakehead University Residence.



Off Campus Housing

The Off Campus Housing Office at Lakehead is open from May to September of each year. During this time available apartments and room and board vacancies are posted and updated on a daily basis.

Students planning to live off-campus find it worthwhile to visit the campus in July or August to check the housing listings and arrange their accommodation for the fall.

Services for Students

Argus: The student union newspaper which will keep you up to date on events on and off campus, and on issues of importance to students. You may wish to exercise your talents by joining the Argus staff as a writer or photographer.

Athletic Facilities: Your student card is the key which allows you to make use of the pool, saunas, weight room, courts, gymnasium and track. Athletic equipment is also available on a daily basis.

Bookstore: Your place for texts and course materials as well as a broad selection of recreational reading, records, gifts, and so on.

Chaplaincy: Pastoral counselling service available on campus; a place to discuss personal concerns in a confidential setting.

Canada Employment Centre: This is your resource centre for help in locating part time work while in university and full time employment during summers and in your graduating year. The Centre provides an on campus recruitment program, employment counselling, assistance with job search techniques, resume composition and interview skills as well as other services for students.

Convenience Store: "The Matchbox", for snacks, drinks, magazines and assorted convenience store fare. The store stocks a selection of track suits and other athletic apparel as well.

Health Services: Located in the University Center, the Health Services Office provides a full time nurse for consultation as well as doctors available by appointment at specified times during the week.

Liaison Office: For information on changing programs, advanced standing, and general academic counselling visit the Liaison Office to schedule an appointment, located in the University Center.

Library: The two main libraries on campus provide you with access to over 500,000 volumes of books, periodicals, and documents and over 120,000 microform volumes. Computerized Search and Interlibrary Loan services extend your reach throughout the country.

Lakehead University Student Union: Your automatic membership in L.U.S.U. provides a number of benefits from discount rates on goods, services and travel, to services provided on campus for students such as:

- Used book sales
- Access to typing rooms
- Printing services
- Jobs (A number of part time jobs are available to students throughout the year)
- Equipment rentals (squash racquets to tents and canoes for 50¢ to \$4.00 per day)

Pub: "The Study", operated by the student union is open Monday to Saturday for get-togethers and good times. Entertainment is often provided, usually on weekends.

Student Services Office: Help with all aspects of your financial affairs from O.S.A.P. to scholarships, bursaries, and emergency loans.

Career/Personal Counselling: A resource for personal and career counselling as well as help in enhancing your study skills.

Thunder Bay

Located in the geographic centre of Canada, Thunder Bay is on the north west shore of Lake Superior. The city is built around a harbour that is the largest inland port in Canada. This home for 121,000 people is a major terminal for road, rail and water shipments. Thunder Bay is served by major and regional airlines as well as bus service and Via Rail. In addition, The Trans-Canada Highway passes through the City.

Geographic Data:

Average Annual Sunshine: 2,200 hours

Average Annual Precipitation:

53.3 cm (rain), 222.1 cm (snow)

Average Temperature:

15.9°C (summer), -12.8°C (winter)

Social, Cultural & Sports Facilities

Thunder Bay acts as the centre of a vast recreational area offering access to a wide variety of summer and winter sports. Winter is no time to hibernate in this city! Thunder Bay is the home to Big Thunder, the National Nordic Train-

ing Centre which includes world class ski jumps and cross-country ski trails. There are also four alpine ski resorts in the area. For those who like to participate in year-round activities: tennis, squash and raquetball courts, weight rooms, swimming pools, indoor running tracks and roller skating rinks are found in the many facilities around town.

Summer Activities - sailing, board sailing, swimming, jogging, cycling, camping, fishing, hiking and golf abound in and around numerous lakes in the area.

Other attractions include Old Fort William, a 1,500 seat state-of-the-art Community Auditorium, the Thunder Bay Symphony Orchestra, live theatre, Canada Games Complex, excellent shopping and dining opportunities and much, much more.

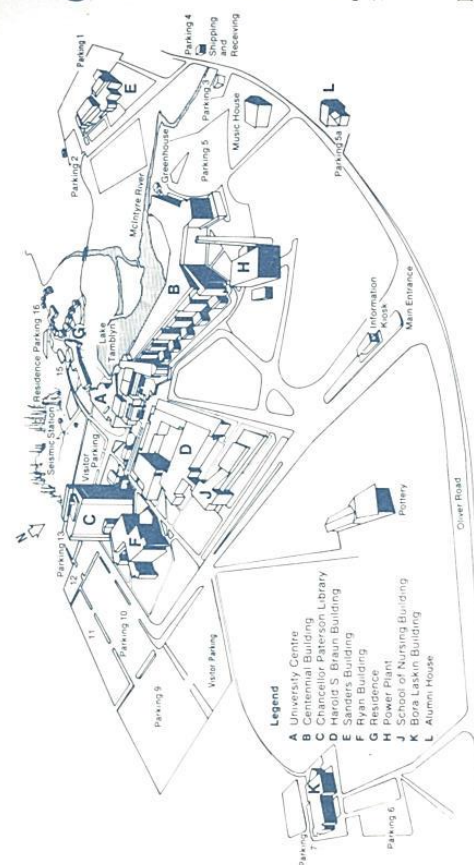


Campus Visits

One of the best ways to find out more about Lakehead University is to pay us a visit. Personalized campus tours can be arranged any day, Monday to Friday, by contacting the Liaison Office (address below). One of our students will show you our classrooms, laboratories, library, residence and athletic facilities. Normally, you will attend a class or two and you will meet with the coordinator of the program you are interested in.

For further information on Lakehead University and its programs contact:

Liaison Office
Lakehead University
Thunder Bay, Ontario
P7B 5E1
(807) 343-8157



Lakehead University Campus

Excellence in Education



Send inquiries to: Office of the Registrar
Lakehead University
Thunder Bay, Ontario, P7B 5E1