

for your
information

- **a variety of degree and diploma programs**

Six professional courses are grouped in the Faculty of University Schools — Business Administration . . . Engineering . . . Forestry . . . Library Technology . . . Nursing . . . Physical and Health Education.

The Faculties of Arts, Science, and Education include the other disciplines.

- **exciting new facilities**

A student body close to the three-thousand mark, integrated with the dynamic architecture of a spacious campus overlooking majestic Lake Superior and the Sleeping Giant . . . significant international representation blending with active student organizations . . . time and space for the development of individuality.

Fieldhouse, olympic swimming pool, tunnels connecting campus buildings complete with shopping mall, boutiques, and banking facilities . . . high-capacity computer facilities with connecting terminals.

- **located in Thunder Bay**

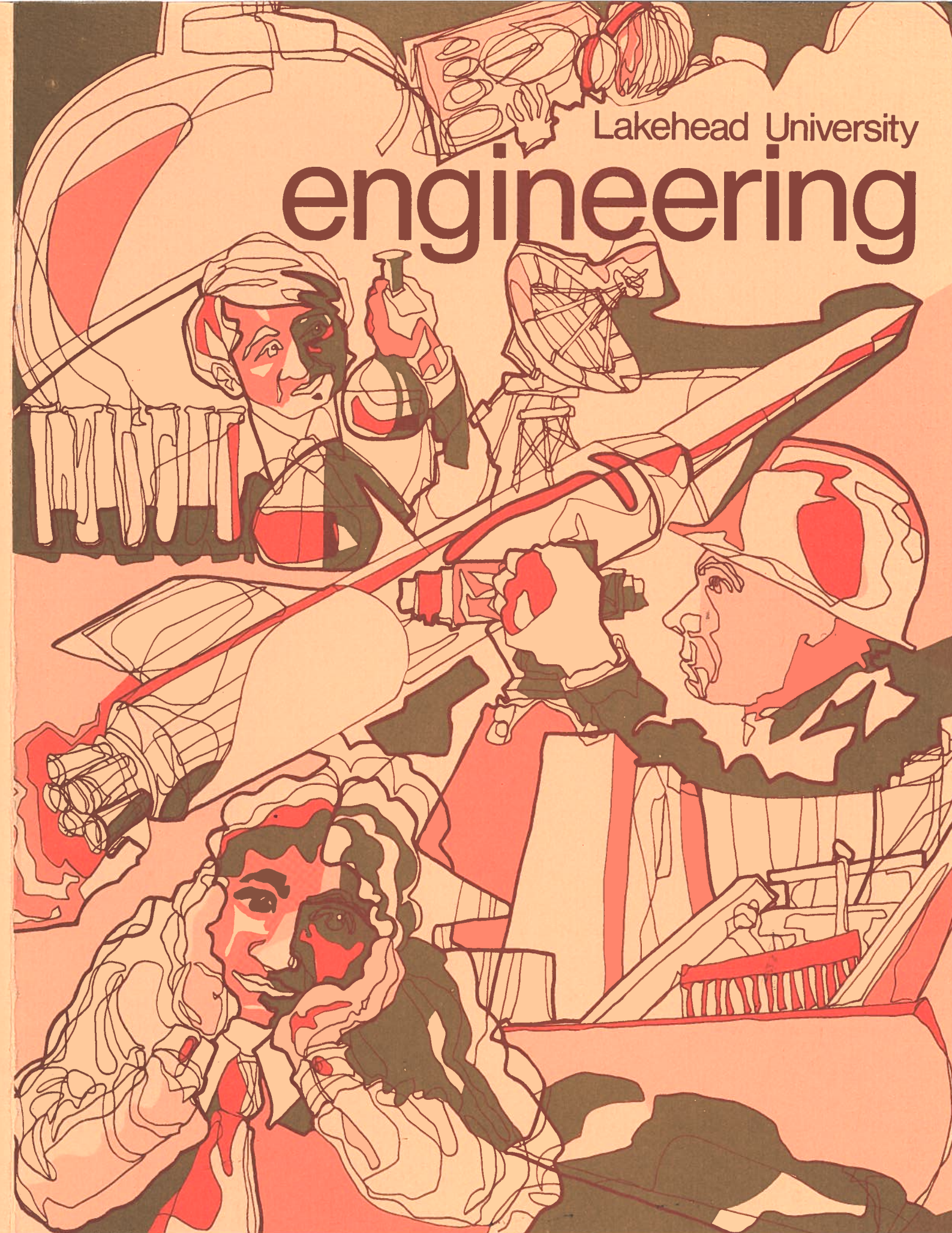
Equidistant between the former cities of Port Arthur and Fort William, with a comfortable cosmopolitan population of one-hundred thousand. At the head of the Great Lakes, a zesty climate and brilliant sunshine make water sports, hunting, fishing and hiking even more enjoyable; and five excellent ski areas, several within minutes of the campus, provide a unique luxury. An airport ten minutes off campus, as well as main-line train and bus service, provide first-rate transportation.

- **admission information**

Fees and awards . . . special consideration for mature students . . . residence or town accommodation.

For further information, please contact:

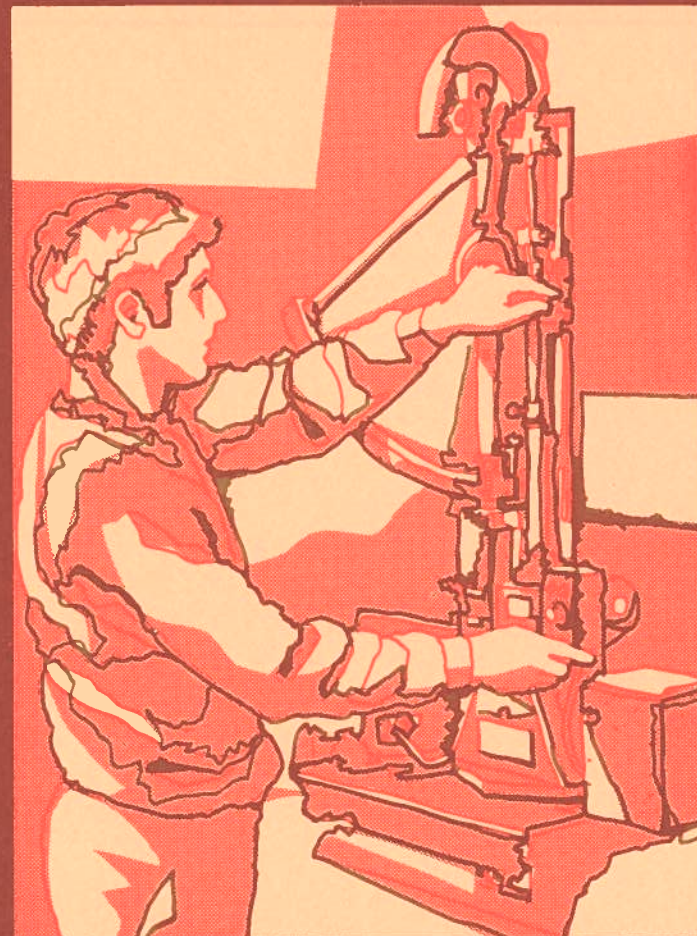
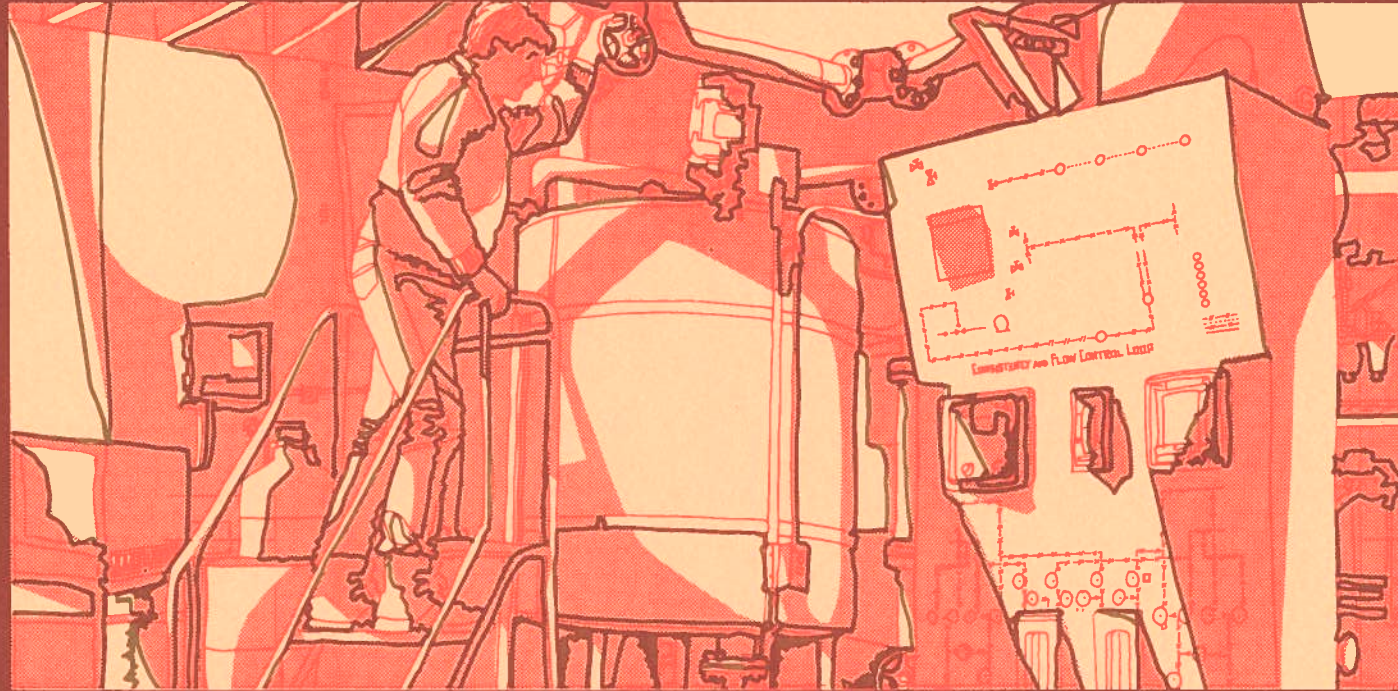
The Registrar, Lakehead University, Thunder Bay, Ontario, Canada.



Lakehead University

engineering

ENGINEERING IS THE UTILIZATION OF OUR RESOURCES FOR THE BENEFIT OF MANKIND...



Why Engineering?

The engineering profession is exciting, challenging, diverse, and gratifying. It offers a wide range of careers involving economics, human relations, science and technology.

What Are Some Specific Fields Of Specialization

Aeronautics and space, agriculture, bio-chemistry, chemistry, civil engineering, computer, electronics, environment, geology, industry, marine engineering, mechanics, medicine, metallurgy, mining, military engineering, nuclear energy, petroleum, sanitation, surveying, systems and transportation. The Engineer could be involved with consulting, research, production, sales or teaching.

Future Goals And Challenges For Engineers And Technologists In Industry And Society.

Never before has man been faced with so many challenges. On the brink of entering a new era — "The Post Industrial Society", many engineering and technology graduates will work in the productive elements of our society, others will assist scientists, sociologists, and economists in the growing sphere of interdisciplinary activities. Problems requiring such an approach include environmental preservation, population explosion, information explosion, urbanization, transportation, intercommunication and northern development. Both the professional Engineer and the engineering technologist have vital roles to play in such activities.

What Is Meant By The Expression "Engineering Team"?

This expression is used to indicate the co-operative effort needed today to produce new products and materials utilizing the skills and knowledge of various specialists. Members of the team include Engineers, technologists, technicians, and skilled tradesmen.

Why Engineering At Lakehead University?

Engineering programs available at Lakehead University are flexible and designed to meet today's needs in industry, government, and business. The programs are not shackled by the rigidity of the traditional approach, but permit the student to "do his own thing", largely through his choice of elective courses.

What Type Of Engineering Programs Does Lakehead University Offer?

A three-year engineering technology program enables a student to obtain a diploma in chemical, civil, mechanical or electrical engineering technology. Lakehead also has a two-year post-diploma program leading to a Bachelor of Engineering degree. The area of specialization in the post-diploma program will depend upon the student's choice of electives.

Admission Requirements.

Students may enter the first year of the engineering technology program from grade XII, or the second year of the program from grade XIII. The entrance requirement for the post-diploma degree program is a Diploma in Engineering Technology. A student entering the second year of the engineering technology program and proceeding to the post-diploma degree program, may obtain a Bachelor of Engineering degree after four years of study from grade XIII.

Lakehead Engineering Degree — A New Concept.

The conventional engineering degree requires a four-year period at a university and usually leads to an applied science degree in a chosen field of specialization, e.g. mechanical, civil, electrical, chemical. The Bachelor of Engineering degree at Lakehead University is a two-year program for three-year technology graduates who wish to obtain an engineering degree. The curriculum core consists of a series of courses in mathematics and engineering, while the remainder is composed of elective options in engineering, science and the humanities. Such flexibility permits the student to specialize in a field of his own interest.

What About Facilities?

Extensive and varied equipment enable students to investigate current aspects of engineering on an individual basis. Special equipment includes a process control computer, a wind tunnel, and even a station for ham-radio enthusiasts.

Your Future

Graduates of Lakehead University's engineering programs enjoy an outstanding employment record in Ontario and across Canada. As progress continues in the development of Canada's resources and the protection of our environment, engineers and technologists will continue to play a leading role.