



Lakehead
UNIVERSITY



EXCEPTIONAL. UNCONVENTIONAL.



“Lakehead has played a leading role in Northern Ontario mining since before we were even a University, when we were known as the Lakehead Technical Institute. We are committed to furthering the economic prosperity of all our Northern communities.”

Brian J.R. Stevenson, PhD
PRESIDENT AND VICE-CHANCELLOR
LAKEHEAD UNIVERSITY



LAKEHEAD UNIVERSITY

LAKEHEAD UNIVERSITY IS TRAINING THE NEXT GENERATION OF HIGHLY SKILLED PROFESSIONALS FOR ONTARIO. WE ARE TEACHING STUDENTS HOW TO THINK, NOT WHAT TO THINK.

Since 1965, Lakehead University has been dedicated to creating exceptional and unconventional learning opportunities for our students. Almost 94% of our alumni are employed within two years of graduating, consistently higher than the Ontario statistic.





**SUSTAINABLE.
RESPONSIBLE.**



WHY NOW?

RECENT DISCOVERIES OF GOLD, NICKEL, CHROMITE AND GRAPHITE IN NORTHERN ONTARIO ARE BRINGING SUBSTANTIAL ECONOMIC GROWTH OPPORTUNITIES, SPIN-OFF EFFECTS AND SOCIAL DEVELOPMENT CHALLENGES, WHICH HAVE DRASTICALLY INCREASED THE NEED FOR A HIGHLY SKILLED PROFESSIONAL WORKFORCE.

CESME has been established to do just this. Consultation requirements and the need to establish trust between government, industry and Aboriginal communities puts Lakehead University in an ideal position to help.

WHY LAKEHEAD UNIVERSITY?

Lakehead's unique and comprehensive range of undergraduate and graduate programs, research expertise, and trusted relationships with industry and Aboriginal communities, align perfectly with the needs of all stakeholders in the mineral resource sector. Lakehead and CESME are preparing our graduates with the knowledge and experience they need to positively impact the mining sector whether it be regional, national or international.

The growth of Northwestern Ontario's Aboriginal population is higher than the national average which is one reason why Lakehead University has one of the highest percentages of First Nations, Métis and Inuit students among Canadian universities (more than 1,200 self-identified Aboriginal students attending the Thunder Bay campus). In other words - Lakehead has the ability and accessibility to educate and train Aboriginal people, increasing their opportunities and their participation in the growing mining sector labour force.




A scenic view of a mountain valley with evergreen trees and a hiker in the foreground. The hiker is wearing a green cap, a purple long-sleeved shirt, and a large orange backpack. They are holding a yellow clipboard and looking down at it. The background shows a vast valley with dense evergreen forests and rocky mountain peaks under a blue sky with scattered white clouds.

SUSTAINABLE MINING AND EXPLORATION

THE CENTRE'S PURPOSE IS TO ENCOURAGE, DEVELOP AND SUPPORT RESEARCH, EDUCATION AND OUTREACH ACTIVITIES THAT RESULT IN RESPONSIBLE ECONOMIC DEVELOPMENT AND SUSTAINABILITY FOR ALL STAKEHOLDERS INVOLVED IN AND AFFECTED BY MINERAL EXTRACTION.

Dr. Pete Hollings, Director of CESME, has brought together 29 Lakehead University researchers from an increasing number of departments that are now working together to do just that.

CESME brings a holistic approach to new and existing research as it pertains to mineral exploration, extraction and development, environmental planning and remediation all while considering and minimizing negative environmental, socio-economic and cultural impacts.



“CESME will be a game changer in Northern Ontario by bringing together researchers, industry and community partners to address the challenges of resource development.”

Dr. Pete Hollings
CESME DIRECTOR
EMAIL: CESME@LAKEHEADU.CA
TELEPHONE: 807 343 8329



CESME'S VISION

- To be the trusted resource for mining sector research, charting new pathways for best practices that lead to enhanced sustainability and responsible resource development.
- To build trust and forge effective partnerships by linking Aboriginal and far north communities with project proponents.
- To meet the human resource requirements of the sector by training the next generation of skilled workers (both Aboriginal and non-Aboriginal).

CESME IS AN OPPORTUNITY FOR ALL STUDENTS

CESME'S INTERDISCIPLINARY APPROACH TO RESEARCH IS PROVIDING OUR STUDENTS WITH A LEARNING EXPERIENCE THAT BETTER PREPARES THEM FOR THE UNIQUE REGIONAL NEEDS OF NORTHERN ONTARIO.

The knowledge and training they receive will help to ensure **SUSTAINABLE AND RESPONSIBLE** development of our mineral resources.

CESME will provide students with unique access to expertise that would only normally be available through a Masters or PhD program at other post-secondary institutions.



CESME HIGHLIGHTS:

- December 2013 – Mining Policy Conference brought together 140 participants, nationally recognized speakers and representatives from government, industry, First Nations and Métis.
- 29 Lakehead University Faculty are CESME Members.
- Initiated first PhD project – studying First Nation community definitions of wellbeing in the face of mining development.
- May 2014 – Received \$150,000 from Chancellor Derek and Mrs. Joan Burney to support a three-year Postdoctoral Fellow (PDF) that will be based in the Department of Economics. Karl Skogstad, PDF, will look at the contribution of the mining sector to the economy of Northwest Ontario, the potential of further development of the mining section, and assess the relative competitiveness of current and future mining developments in Northwest Ontario.

“Joan and I are convinced that CESME will be a catalyst for responsible mining development. Our donation is dedicated to that objective and to encouraging others to support the Centre.”

CHANCELLOR DEREK BURNEY



DEREK AND JOAN BURNEY

Supporting CESME will directly benefit a student's educational and professional career – it means Lakehead University graduates entering careers linked to mining will be fully able to support **SUSTAINABLE AND RESPONSIBLE** resource development.



CONSIDER SUPPORTING CESME

Research Chairs \$1 million to \$5 million	By supporting research chairs, you are helping Lakehead's Faculty advance knowledge and bring leading-edge research to the classroom. CESME Research Chairs lead and promote the collaborative, innovate and multi-disciplinary approach to research, allowing Lakehead University to be an information hub for all stakeholders in the mining sector.
Postdoctoral Fellowships \$100,000 +	By supporting Postdoctoral fellowships you are helping to ensure Lakehead University and CESME continue to attract a diverse group of researchers.
Graduate Students \$30,000 + (Masters and PhD)	By supporting graduate students, you promote higher levels of learning. Graduate students are our future leaders in the mining and exploration industry.
Undergraduate Students \$10,000 +	By supporting undergraduate research projects you directly inspire and enhance the student learning experience.
Scholarships, Bursaries and Awards \$5,000 +	By supporting students through scholarships, bursaries and awards you help us to recognize excellence in academics, and help offset the cost of tuition.
CESME Student Research Fund \$1,000 +	The Student Research Fund is an ongoing discretionary fund used to help students fund activities that enhance their research. It will be at the discretion of the Director of CESME and can be used to offset students' costs associated with research, travel, equipment and/or conferences.

Ask how you can give a gift of stocks and securities

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