



**Laurentian University**  
**Université Laurentienne**

# MINERALS and MINING STRATEGY

Northern Solutions to Develop Mining Talent,  
 Research, and Innovation



Canada's Mining University

## Purpose

Laurentian University's Minerals and Mining Strategy will outline a vision to strengthen Laurentian's role as Canada's Mining University during a period of geopolitical change, critical mineral demand, and rapid technological transformation. This document aims to signal direction, invite collaboration, and guide strategy implementation.

## Why Laurentian?

Laurentian University is uniquely positioned to support the future of mining through:

- Location in one of the world's largest integrated mining clusters (Greater Sudbury);
- Proximity to globally significant geology and over 140 years of active mining;
- A 65+ year legacy in mining education, research, and environmental reclamation;
- A bilingual and tricultural mandate, including deep Indigenous partnerships;
- Strong outcomes: 93% employment at 6 months; 98% at 2 years;
- Research Centres focused across the mining life cycle (MERC, CROSH, MIRARCO, CFEU);
- Leadership from the Harquail School of Earth Sciences and the Mineral Exploration Research Centre (MERC) in major initiatives including Metal Earth (\$104M);
- An experienced and award-winning community of faculty and staff, with the Goodman School of Mines providing focused leadership and accountability for delivering on the Strategy's priorities.

**Laurentian University is the best place on Earth to study and pursue research — from exploration to reclamation and everything in between.**

**1:23**

Personalized learning with **low faculty/student ratio**



Vast breadth of expertise from **award-winning faculty and researchers** that is unmatched



Large regional employment base with **high-salaried career opportunities**



Best consecutive post-graduate employment ratio in the province **98% after 2 years**



Multicultural, diverse, welcoming and supportive environment



## 1. Grow Education and Training Across the Mining Life Cycle

### Build the workforce of tomorrow by:

- Expanding interdisciplinary mining education (e.g., engineering, geology, environment, business, Indigenous studies, health and safety)
- Strengthening co-ops, experiential learning, and industry-embedded training
- Supporting student transition into mining-related careers
- Upskilling and reskilling professionals through micro-credentials and short courses, undergraduate and graduate program offerings (in-person and online)

## 2. Research, Innovate, and Develop Transformative Mining Technologies

### Advance applied research and technology adoption by:

- Growing capacity in critical areas (e.g., waste reclamation, exploration, AI, automation/robotics, ESG, sustainable design)
- Expanding graduate training aligned with industry needs
- Supporting pilot-scale testing and commercialization with SMEs and operators
- Recruiting research leadership (e.g., Canada Research Chairs, Industrial Chairs)

## 3. Make Laurentian the Place Where Mining Leaders Connect

### Position Laurentian as a national convener by:

- Bringing together students, researchers, industry, and governments
- Leveraging Sudbury's innovation ecosystem (e.g., NORCAT, SNOLAB, CEMI, MineConnect, ICEMD, post-secondary partners, and others)
- Strengthening outreach, marketing, and government relations
- Expanding youth engagement and early-pathway programs

## 4. Leverage Laurentian's Tricultural Identity for Responsible Mining

### Advance reconciliation and inclusion by:

- Co-creating content and research with Indigenous partners
- Supporting Indigenous leadership, training, and economic participation
- Embedding social licence, ethics, and ESG into mining education
- Expanding access for Indigenous learners and equity-deserving groups



### What Comes Next:

- Review final draft with faculty, Indigenous partners, industry, and government
- Ensure alignment with Ontario and Canada's Critical Minerals and Defence Strategies
- Release the detailed strategy and implementation plan in Spring 2026

To find out more, and provide feedback through the CMU page (survey link on page), please visit [laurentian.ca/mining](https://laurentian.ca/mining) or scan the QR code.

