

Why choose Mining Engineering?



THE
ROBERT M. BUCHAN
DEPARTMENT OF MINING

Challenge, adventure, travel, good pay and great opportunity!

Aside from the plant materials we harvest, all of the raw material used by human society comes from minerals extracted from the earth. This program prepares you for careers in both the mineral industry and related environmental and technological fields. As a Mining Engineering student, you will study a broad range of disciplines involved in locating, extracting, producing, refining, utilizing, reusing, recycling, and disposing of mineral and metal products and byproducts. The program teaches students how these processes can be carried out efficiently and competitively, with a focus on environmental sustainability and social responsibility.



Highlights:

The Department enjoys a global reputation. It is linked to a variety of major schools worldwide, offering exchange and travel opportunities.

- The Robert M. Buchan Department of Mining is the largest mining school in Canada and one of the largest mining schools in North America.
- The curriculum is broad, offering excellent background skills with a strong design component.
- Our unique labs include the only explosives and blasting laboratory in Canada.
- Students can specialize in three areas: Mine, Mineral Processing & Environmental and Mine Mechanical.
- The Department is closely connected to the industry, and our graduates are found at every level of industry, not only in Canada but around the globe.
- Site visits link teaching to practice and expose students not only to technical aspects of mining, but also to different cultures.

Where do we go?

Mining Engineering graduates:

- + Are employed by a major industry in Canada's economy, an industry leader on the world stage.
- + Are involved in a technologically advanced industry with a strong commitment to sustainability.
- + Have rewarding careers with travel opportunities, a variety of jobs and possibilities for rapid advancement to management positions.
- + Our graduates work around the world, in roles that range from research to design to C-suite leadership:

Design and Operation of Mines and Mills

Equipment Manufacturing

Automation and Robotics

Management

Mine Finance

Energy Management

Environmental

Health and Safety

Community Relations

Consulting

Research in areas including rock mechanics, ventilation, robotics, mine optimization, hydro and pyrometallurgy, detonation and blasting physics.

Learn more @ mine.queensu.ca