

# MINERAL PROCESSING OPERATOR

Mineral Processing Operator is a 318-hour (10 - 11 weeks) entry level training program which prepares students to be employed at operating mines that mill their own ore. Training is focused on the knowledge and skills required to work safely and become a Mineral Processing Operator – a person who uses equipment to separate valuable minerals from rocks. The training follows industry-defined National Occupational standards and can lead to nation-wide recognized certification under the Canadian Mining Credentials Certification Program.

Training components include safety certifications, mine safety and computer-based training on mill processing equipment. Programs may include a site visit to an operating mine depending upon the location of training and available mines in the area.

## Dates and locations

The Mineral Processing Operator program is available upon demand.

## Contract Training

Learn more about Contract Training (<https://www.coastmountaincollege.ca/programs/discover/contract-services/>) at CMTN. For more information or to request a quote contact CMTN's School of Exploration & Mining (<https://www.coastmountaincollege.ca/programs/discover/contract-services/school-of-exploration-mining/>).

Code	Title	Credits
MPO 100	Resource Safety and Certification	3
MPO 101	Introduction to Mining and Mining Jobs	2
MPO 102	Essential Skills for the Mine Workplace	4
MPO 103	Mine Workplace Safety	2.5
MPO 104	Introduction to Ore Processing Methods	2.5
MPO 105	Grinding Processes	2.5
MPO 106	Flotation & Filtration Process - METSO Software CBT	3.5
MPO 107	Primary Crushing	1.5
MPO 199	Mine Site Work Experience <small>Optional: in instances where the practicum is offered, 6 credits are awarded on successful completion</small>	6
<b>Total Credits</b>		<b>27.5</b>

The training follows industry-defined National Occupational Standards and can lead to nation-wide recognized certification under the Canadian Mining Credentials Certification Program. Training components include safety certifications, mine safety, processing of ore, METSO software-computer-based training on mill processing equipment.

- Mineral Processing Operator 2018 Application Package ([https://coastmountaincollege.ca/docs/default-source/program-forms/mpo/mpo\\_contract\\_eligibility.pdf](https://coastmountaincollege.ca/docs/default-source/program-forms/mpo/mpo_contract_eligibility.pdf)) [PDF]

- Grade 12, or equivalent.
- English Studies 11, English First Peoples 11 or equivalent.

Or,

- For mature students who do not have Grade 12, an MPO assessment can be administered. The applicant must receive a minimum of 71% to be considered for admittance into the program.
- International students should refer to the English Language proficiency page (<https://coastmountaincollege.ca/admissions/requirements/language-requirements/domestic-english-language-requirements/>) to ensure they meet the English requirements.

### Recommended characteristics of students:

Students should be aware of the working environment of a Mineral Processing Operator which often includes a 12-hour work shift, living in camp, continually on your feet walking around monitoring equipment up and down stairs. Students should enjoy practical and manual work and have a mechanical aptitude.

The following requirements may apply for parts of the program that take place on-site at a mine and/or for employment at a mine upon completion of the program: ability to pass a drug and alcohol test, a medical test of declaration of physical fitness (must be in good health and physically fit to climb stairs frequently at a mine and lift 20kg); must have good vision (corrective lenses are OK) and hearing; have a full range of body and limb movement; hold a valid drivers' license. Failure to meet any and all of these requirements will limit or disadvantage graduates from participation in a possible practicum and securing employment.

Please note that individual Safety Certification Courses within the program do not require any prerequisites (other than must be 16 years of age or older). These include: OFA Level 1, Transportation Endorsement, H2S Alive, WHMIS, Confined Space, Fall Protection, and Lock-out / Tag-out Procedures.

Fees	Full-time domestic
Full Time:	25.5 Credits
Tuition:	Cost recovery program, depends on the contract
Student Association Fees: <sup>1</sup>	\$41.99 per semester

<sup>1</sup>

These fees are term based and may vary due to the length of the program.

**Tuition and Fees are subject to change without notice. Tuition may vary to ensure program is cost-recovery.**



## Career opportunities

The Mineral Processing Operator program prepares students to be employed as Mineral Processing Operators at operating mines that mill or process their ore.

