



Mining Apprenticeship Program Heavy Duty – MAPHDET

Trades Training

Program Outline

PROGRAM IMPLEMENTATION DATE: November 2004
OUTLINE EFFECTIVE DATE: July 2018
PROGRAM OUTLINE REVIEW DATE: January 2023

GENERAL PROGRAM DESCRIPTION:

The Mining Apprenticeship Program (MAP) is an innovative program that is collaboratively delivered by Teck Elk Valley Operations and College of the Rockies Trades Department. The primary objective of the Mining Apprenticeship Program is to provide training opportunities to apprentices in the Heavy Duty Equipment Technician trade. The MAP program outline covers the work-based training component. During technical training, apprentices are covered by the program outline pertaining to their trade and level of training. Teck Elk Valley Operations provides apprenticeship work-based training hours on-site at their Elk Valley locations. College of the Rockies is the employer sponsor for MAP apprentices and provides the required technical training for apprentices at each level of apprenticeship. The Mining Apprenticeship program begins with an orientation at the College of the Rockies followed by an orientation to one of Teck’s Elk Valley operations. Apprentices will be employed approximately **nine to ten** months of the year and attend technical training for **up to ten** weeks each year depending on their level. Apprentices are given the opportunity to rotate through different mine operation sites while completing work-based training.

Credentials Granted: Upon successful completion of 28 weeks of technical training, the inter-provincial Red Seal exam, and 6360 work-based training hours, apprentices receive:

- Real Seal Certification from the Industry Training Authority
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Delivery:

Work-based Training Hours: Total 6360

Level 1	0-1590
Level 2	1590-3180
Level 3	3180-4770
Level 4	4770-6360

Program Outline Author or Contact:

Joy Brown, Department Head

Signature

APPROVAL SIGNATURES:

Department Head
Joy Brown
E-mail: jbrown3@cotr.bc.ca

Dean of Trades and Technology
Dr. Jack Moes
E-mail: jmoes@cotr.bc.ca

Department Head Signature

Dean Signature

EDCO

Valid from: July 2018 – January 2023

Education Council Approval Date

PROGRAM ADMISSION REQUIREMENTS:

Admission Requirements: Secondary school graduation or equivalent, **AND**

Successful completion of the Heavy Mechanical Foundation program or Level 1 of the Heavy Duty Equipment Technician Apprenticeship program, and successful interview for a MAP posting.

WORK-BASED TRAINING CONTENT:

The work-based training hours reinforce the technical training content, including the following:

Level 1

- Occupational Skills
- Brakes
- Hydraulics
- Electrical
- Frames, Steering and Suspension
- Trailer
- Heating, Ventilation and Air Conditioning
- Structural Components and Accessories

Level 2

- Electrical
- Engines and Supporting Systems

Level 3

- Powertrains

Level 4

- Hydraulics
- Electrical
- Frames, Steering, and Suspension
- Structural Components and Accessories

For a comprehensive list of technical training content and program competencies, please refer to the program outlines located at www.cotr.bc.ca/CourseOutlines/.

PERFORMANCE FEEDBACK OF WORK-BASED TRAINING:

Onsite supervisors at Teck Elk Valley locations are the direct supervisors of MAP apprentices and will provide performance feedback and evaluations to the apprentice and the Department Head of Trades at the College of the Rockies. Less than satisfactory performance at the job site or unsuccessful completion of technical training will prompt a consultation between the onsite supervisor, department head and apprentice and may result in removal from the program.

APPRENTICE RESPONSIBILITY:

Apprentices are expected to follow all WorkSafeBC regulations, safe work practices and have high regard for the safety of others as well as of themselves. Apprentices must adhere to all Teck safety protocols.

APPRENTICES MUST PROVIDE THEIR OWN:

- steel-toed work boots
- specialized clothing
- coveralls
- basic tool kit

Apprentices will be responsible to purchase their own basic tools and equipment and progressively build a tool kit sufficient to meet job requirement throughout the program.