
DIESEL ENGINE MECHANIC

Credential Issued:

ITA Certificate of Apprenticeship (Diesel Engine Mechanic)

Occupational Description:

“Diesel Engine Mechanic” means a person who installs, repairs and maintains all internal combustion diesel engines and components as used in transport, construction and marine.

Program Duration & Structure:

The program will be delivered in a variety of formats combining in-school and work-based training, all designed to meet the competency standards and profile defined by the industry and approved by ITA and will generally take 4 years to complete.

The program includes:

- In-school: 12 weeks* (approximately 6 weeks per level)
- Work-based: 6390 hours

*The in-school / technical training requirement is typically met through block release training delivered by an ITA approved training provider. It can also be met through approved alternative training models (e.g. distance education, part-time) and / or level challenge exam where these options are available.

Program Completion Requirements:

Completion of 6390 hours workplace hours:

- Sponsor attestation

Completion of technical training: (Requirement can be met through challenging a level exam where available.

- Level 1 – practical assessment and written level examination
- Level 2 – practical assessment and written level examination

Program Challenge Requirements:

n/a

Program Pre-requisites:

- Recommended Education: Grade 10 or equivalent including English 10, Math 10, and Science 10.
- Preferred: Grade 12

Assessment Methods:

- In-school assessments (practical & written exams)
- Work-based assessments (practical)
- Level exams by challenge

Linkages to Other Credentials:

n/a

Program Standards Documentation:

- Program Outline (Heavy Duty Equipment Technician)

Industry Program Standards Mechanism:

TBA

Program Providers:

Institution-based component of the program will be delivered by public post-secondary institutions (see www.educationplanner.bc.ca/apprenticeship.cfm for a list of schools), private training institutions, and secondary schools that have been approved by ITA.

Technical Training Content:**Level 1***

Apply Work Practices & Procedures
Diesel Engines
Mechanical Diesel Fuel Systems
Electrical & Electronic Systems
Spark Ignition Systems
Alternate Brake Systems
Note: * = Heavy Duty Equipment Tech Level 2

Level 2*

Work Practices & Procedures
Electrical & Electronic Systems
Mechanical Diesel Fuel Systems
Electronic Diesel Fuel Systems
Spark Ignition Engines
Note: * = Heavy Duty Equipment Tech Level 3

Approved: March 2002 (ITAC)

Updated: January 2006 (ITA)