

Overview

Are you looking to become a **Diesel Mechanic**? The **Occupational Certificate in Diesel Mechanic** is designed to equip learners with skills and knowledge to **operate vehicles in a productive, cost-effective and efficient way**. These vehicles include trucks, buses, fire engines and other related specialised vehicles such as drill rigs, and battlefield equipment used by small, medium and large private and public enterprises to transport goods and passengers. Such vehicles need to **function effectively and be well-maintained in order to meet road safety and environmental standards**. Learners will be trained to perform a variety of skilled tasks as Diesel Mechanics who contribute to the success of related businesses if their employers are in organisations running fleet services, in maintenance and repair services, and also in dealerships and independent workshops.

The journey to your RED SEAL: This is an Occupation Trade that requires a RED SEAL to practise as a designated Electrician as per article *Occupational Certificate Article 26D (RED SEAL*)*

Part 1

Theory Modules

Runs with Part 2

Theory Exam

Part 2

Practical Training

Runs with Part 1

Logbook, Observation & Assessment

Part 3

Workplace Modules

+/- 18 months

Observation & Logbook

Trade Test for RED SEAL

Admission Requirements

- Grade 9 (Std 7) Certificate with a pass in Mathematics and Physical, **OR**
- N1 Pass (with mathematics and science), **OR**
- Vocational or Further Education Certificate at any level, **OR**
- Recognition of prior learning through an RPL process

IMPORTANT: If you don't meet our minimum entry requirement, you can still apply for special admission, regardless of what formal education you have. Please note that there are terms and conditions for this application, and all approvals will be made at the discretion of Academic Board.

Articulation Option

On successful completion of this qualification, you can articulate into the following:

This qualification presents potential articulation horizontally and vertically into related qualifications.

Horizontal Articulation:

- National Certificate: N4 Engineering Studies, at NQF Level 5

Vertical Articulation:

- National Certificate N4: Engineering studies, NQF Level 5 (ID 66881).

Career Opportunities

On completion of this qualification learners are able to:

- Perform preventative and scheduled maintenance on diesel vehicles.
- Dismantle, inspect, assess, repair and assemble diesel engine and vehicle system components.
- Diagnose and repair faults in diesel engine and vehicle systems and their components.

Study Kit

Your study kit is included in your fees and will contain:

- **Free WIFI** (Unlimited, On-Campus only).
- **Orientation kit including:** Student Card, Welcome Letter, Getting Started Guide.
- Access to myAIE student portal and student support team via phone, email and tickets.

Hardware Requirement

Please note that you are required to have your own computer for this qualification. **AIE**, in partnership with **Dell** and **TripleH**, is committed to supplying every student with a Dell laptop to support our Digital Campus initiative. Available exclusively to **AIE students**, devices can now be financed with your tuition fees. We provide two models:

Duration

- **Full Time, Contact** (Hybrid) Learning
 - Duration: +/-12 Months
 - Classes conducted 5 days a week, 3-6 hours/day
 - **Theory** modules classes can be attended on campus AND/OR Online
 - **Practical** modules and exercises must be done on campus

* Class structures are subject to change without notification.

[Learn More](#)

Regulatory Information

Associated Assessment Criteria for Exit Level Outcome 1:

- Understanding of general principles and critical issues relating to performing scheduled maintenance on diesel vehicles according to accepted industry standards is demonstrated.
- The work is systematically planned and prepared according to task requirements.
- Technical information is sourced and correctly interpreted.
- Components are removed, replaced and tested as per the service schedule.
- The service is performed according to the manufacturer's schedule, specifications and timeframes.
- The maintenance report accurately reflects the condition of all the required components and systems, including defective components.
- All activities are performed according to safety and environmental requirements.
- Workmanship industry standards are met.

Associated Assessment Criteria for Exit Level Outcome 2:

- Understanding of the general principles and critical issues related to removing, disassembling, assessing and replacing diesel engine and vehicle system components according to the accepted industry standards are demonstrated.
- All waste materials are disposed of and the work area is restored according to health, safety and environmental requirements and all activities are performed according to safety and environmental requirements.

Associated Assessment Criteria for Exit Level Outcome 3:

- Understanding of the operating principles of diesel engines and vehicle systems and components is demonstrated.
- Understanding of general principles and critical processes, sequence and safety requirements for diagnosing and repairing diesel engine and vehicle systems and their components according to accepted industry standards is demonstrated.
- Diagnostic equipment is operated according to the manufacturer's procedures and standards.
- Diagnostic codes and events are correctly interpreted. Technical information is sourced and correctly interpreted.
- All faults are diagnosed correctly and within stipulated timeframes. Faults are repaired according to the manufacturer's procedures and specifications.
- The work area is restored according to health, safety and environmental requirements.

Integrated Assessment:

Integrated formative assessment: Skills development providers will use the Curriculum to guide them on the stipulated internal assessment criteria and weighting. They will also apply the scope of practical skills and applied knowledge as stipulated by the internal assessment criteria. This formative assessment leads to entrance into the integrated external summative assessment.

Integrated summative assessment:

An external integrated summative assessment, conducted through the relevant QCTO Assessment Quality Partner is required for the issuing of this qualification. The external integrated summative assessment will focus on the exit level outcomes and associated assessment criteria. The external integrated summative assessment will be conducted through a trade test as prescribed under Section 26D of the Skills Development Act and defined by the Trade Test Regulations. It will be conducted through an evaluation of written and practical tasks covering critical aspects of the trade in a simulated environment at an assessment centre accredited by QCTO and conducted by an Assessor registered by the National Artisan Moderation Body (NAMB). The assessment will take place over a minimum of 2 days.