



Course Information

**National Certificate: Automotive Repair and
Maintenance (Learning Programme ID 64809)**

National Certificate: Automotive Repair and Maintenance

SAQA ID 78524

Level 3

Credits 135

Duration 1 year

The purpose of this Qualification is to provide learners, education and training providers and employers with the standards and the range of learning required to work effectively in the welding industry and to meet the challenges of such an environment.

This Qualification is the last of a progression, which culminates in the use of a range of complex welding methods. The purpose of this Qualification is to develop learners who, after completion, demonstrate the ability to: Use and apply a variety of plate and pipe welding processes according to performance standards. Participate in self-directed activity, by complying with welding procedures and maintaining business objectives. Demonstrate leadership through effective interaction and communication with clients, peers and members of supervisory and management levels.
> Range: Leadership (individual and team); problem solving; technical report writing; exploring options for further learning.

Course Expectation

This is a learnership, and therefore has a theory and workplace component.

- Learners are expected to complete the theory at the training provider.
- The workplace component must be complete at a recognised workplace.
- The activities at the workplace will be determined by the workplace tasks that need to be completed.

Training Provider

Workplace

Selection of Workplace

Learners are required to ensure that they have secured a workplace. Whilst IQ supports learners in this endeavour, it is the learners responsibility.

The workplace selected must be in line with the course undertaken.

Learners will be provided with a pack that includes:

- Letter of request for placement
- Placement guidelines for Employer organisations

Training



Your course comprises of the following:

- Complete Learner orientation on the programme expectations.
- Mentor guidelines for the workplace mentors.
- Work integrated guidelines for the workplace.
- Learner orientation guide.
- Process meetings map with employers and mentors.
- Training plan including the schedule of assessments
- Process map for the qualification.
- Learner guides, workbooks and log books
- E-learning lessons/ PC Tablet (with audio voice lessons)
- Training videos to support lessons showing practical applications

Assessment

Assessments are an important part of your learning as it serves as a measure to identify if you have achieved the competencies required in this course.

Various assessment methods are used during the course of your programme. All these are collated into a Portfolio of Evidence which is used for the final summative assessment. Each module of your study will have an assessment of some form.

The workplace is assessed through a logbook. This comprises a list of tasks which needs to be completed and signed off by your workplace mentor.

Delivery Modality

The delivery modality is flexible and designed according to the needs of the client.

The following are some of the options:

Option 1

- Lessons are presented on a PC Tablet. These are recorded.
- All the learner guides and workbooks are on the PC Tablet.

Option 2

- E-learning. Lessons are on the e-learning platform and learners progress through them.

Option 3

Face to face tuition according to a training plan.

Company inductions

Convenience

Better tracking

Learner control

Use of dead time

Suits: learning styles

Social learning

Easy evidence

Learner confidence

Institute for Quality
Mobile Learning for the
workplace. Are you ready?

Programme Modules

	ID	UNIT STANDARD TITLE	NQF LEVEL	CREDITS
Core	260679	Demonstrate knowledge of fuel supply and engine management systems	NQF Level 03	10
Core	244053	Dismantle automotive main components	NQF Level 03	4
Core	244048	Inspect, assess and report on external components of engines	NQF Level 03	6
Core	260721	Perform a basic condition test on vehicle components	NQF Level 03	8
Core	260718	Remove and install fuel system components	NQF Level 03	6
Core	244049	Repair and assemble automotive components	NQF Level 03	8
Core	244051	Test and repair an engine cooling system	NQF Level 03	4
Core	244057	Test and repair an engine lubrication system	NQF Level 03	4
Core	260437	Trace and repair auto electrical circuit faults	NQF Level 03	8
Core	244163	Remove, replace and set timing drive systems	NQF Level 04	5
Fundamental	119472	Accommodate audience and context needs in oral/signed communication	NQF Level 03	5
Fundamental	9010	Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations	NQF Level 03	2
Fundamental	9013	Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	NQF Level 03	4
Fundamental	119457	Interpret and use information from texts	NQF Level 03	5
Fundamental	9012	Investigate life and work related problems using data and probabilities	NQF Level 03	5
Fundamental	119467	Use language and communication in occupational learning programmes	NQF Level 03	5
Fundamental	7456	Use mathematics to investigate and monitor the financial aspects of personal, business and national issues	NQF Level 03	5

Fundamental	119465	Write/present/sign texts for a range of communicative contexts	NQF Level 03	5
Elective	12218	Construct and test basic electronic circuits	NQF Level 02	16
Elective	260637	Test and report on condition of vehicle starting and charging system	NQF Level 02	4
Elective	15100	Check and adjust steering geometry	NQF Level 03	4
Elective	15113	Dismantle vehicle sub-components	NQF Level 03	8
Elective	11202	Fit and commission air-conditioners to vehicles	NQF Level 03	8
Elective	15105	Install vehicle sub-components	NQF Level 03	8
Elective	260723	Install, test and maintain a basic fluid power system	NQF Level 03	8
Elective	13282	Maintain brakes and clutches	NQF Level 03	6
Elective	15118	Remove vehicle sub-component	NQF Level 03	5
Elective	15117	Repair and assemble sub-components	NQF Level 03	8
