

Component Specification

Motor Vehicle Practice

NFQ Level 5

5N2143

1. Component Details

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|---------------------------|--|
| Title | Motor Vehicle Practice |
| Teideal as Gaeilge | Cleachtas Mótarfheithiclí |
| Award Class | Minor |
| Code | 5N2143 |
| Level | 5 |
| Credit Value | 15 |
| Purpose | The purpose of this award is to equip the learner with the knowledge, skill and competence to safely and efficiently carry out a range of maintenance tasks, associated with a motor vehicle. |
| Learning Outcomes | Learners will be able to: <ol style="list-style-type: none">1 Analyse key principles and theoretical concepts relating to motor vehicle maintenance procedures currently utilised in the motor technology sector2 Interpret key terminology and symbols in relation to electrical and mechanical motor vehicle components3 Analyse the key characteristics and properties of a range of engine types4 Inspect the condition of key components contained in a motor vehicle engine and chassis5 Inspect the condition of key components contained in a motor vehicle fuel system, cooling system |

- 6 Inspect the condition of key auto electrical components and systems to include starting motor, alternator, batteries, electrical circuits and leads
- 7 Use appropriate techniques and procedures to carry out a lubricant check to include replacement of engine oil, gearbox and axle lubricants and filter changes
- 8 Employ appropriate methods to support a vehicle prior to a visual inspection
- 9 Use appropriate techniques and procedures to replace key components to fuel systems and cooling systems
- 10 Employ appropriate techniques and procedures to replace the wheels of a motor vehicle
- 11 Analyse health and safety implications in relation to motor vehicle maintenance and suggest initiatives aimed at reducing associated risks
- 12 Demonstrate an ability to safely employ and maintain a range of hand and power tools associated with motor vehicle inspection and maintenance
- 13 Recommend a health and safety strategy to effectively manage and dispose of chemicals such as fuels, acids, coolants and lubricants in a workshop environment
- 14 Design a system for recording visual inspection data for use during maintenance procedures.

Assessment

General Information

Details of FET assessment requirements are set out in [Assessment Guidelines for Providers](#).

All FET assessment is criterion referenced. Successful achievement of the award is based on learners attaining the required standards of knowledge, skill or competence.

The techniques set out below are considered the optimum approach to assessment for this component. In exceptional circumstances providers may identify alternative assessment techniques through the provider's application for programme validation which are **reliable** and **valid** but which are more appropriate to their context.

Assessment of a number of components may be integrated across programmes for delivery, provided that the learning outcomes of each minor award are assessed.

Group or team work may form part of the assessment, provided each learner's achievement is separately assessed.

All providers are required to submit an assessment plan as part of their application for programme validation. Assessment Plans will include information relating to scheduling and integration of assessment. See current FET validation guidelines at www.qqi.ie.

Assessment Techniques

In order to demonstrate that they have reached the standards of knowledge, skill and competence identified in all the learning outcomes, learners are required to complete the assessment(s) below.

The assessor is responsible for devising assessment instruments (e.g. project and assignment briefs, examination papers), assessment criteria and mark sheets, consistent with the techniques identified below and FETAC's assessment requirements.

Programme validation will require providers to map each learning outcome to its associated assessment technique. See current FET validation guidelines at www.qqi.ie.

All learning outcomes **must** be assessed and achieved

Skills Demonstration 100%

Description

Skills Demonstration

A skills demonstration is used to assess a wide range of practical based learning outcomes including practical skills and knowledge. A skills demonstration will require the learner to complete a task or series of tasks that demonstrate a range of skills.

Recognition of Prior Learning (RPL)

Learners may be assessed on the basis of their prior knowledge and experience. Providers must be specifically quality assured to assess learners by this means. To do so they must complete B10, see Provider's Quality Assurance Guidelines and be included on the Register of RPL approved providers. See RPL Guidelines at www.fetac.ie for further information and registration details.

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|---|---|------|-----------|-------|-----------|-------------|------------|
| Grading | <table border="0"> <tr> <td>Pass</td> <td>50% - 64%</td> </tr> <tr> <td>Merit</td> <td>65% - 79%</td> </tr> <tr> <td>Distinction</td> <td>80% - 100%</td> </tr> </table> | Pass | 50% - 64% | Merit | 65% - 79% | Distinction | 80% - 100% |
| Pass | 50% - 64% | | | | | | |
| Merit | 65% - 79% | | | | | | |
| Distinction | 80% - 100% | | | | | | |
| Specific Validation Requirements | <p>The provider must have all of the following in place to offer this award</p> <ol style="list-style-type: none"> 1. Access to a motor vehicle workshop 2. Appropriate range of equipment and materials | | | | | | |
| Supporting Documentation | None | | | | | | |
| Access | To access programmes leading to this award the learner should have reached the standards of knowledge, skill and competence associated with the preceding level of the National Framework of Qualifications. This may have been achieved through a formal qualification or through relevant life and work experience. | | | | | | |
| Transfer | Successful completion of this component award enables the learner to transfer to programmes leading to other certificates where this component is a mandatory or an elective requirement. | | | | | | |

2. FET Award Standards

QQI award standards are determined within the National Framework of Qualifications (NFQ), <http://www.nfq-qqi.com>. QQI determines standards for the education and training awards that it makes itself and that are made by providers to whom it has delegated authority to make an award. Providers offering programmes leading to QQI awards **must** have their programme(s) validated in accordance with current validation policy (see www.qqi.ie).

Award standards are designed to be consistent with the NFQ's award classes i.e. major, special purpose, supplemental and minor awards. They are expressed in terms of **learning outcomes** i.e. concise statements of what the learner is expected to know or be able to do in order to achieve a particular award. Learning outcomes for FET awards are contained within the associated specifications:

| AWARD CLASS | STANDARDS | AWARDS |
|--------------------|--------------------------------|---|
| Major Award | Certificate Specification | Certificate (Levels 1 to 5) Advanced Certificate (Level 6) |
| Supplemental Award | Supplemental Specification | Supplemental Certificate (Level 3 to 6) |
| Special Purpose | Specific Purpose Specification | Specific Purpose Certificate (Levels 3 to 6) |

Award standards are thresholds, they describe standards of knowledge, skill or competence to be acquired, and where appropriate, demonstrated, by a learner before an award may be made.

Award standards will be reviewed from time to time as necessary. Minor changes may be made by the QQI executive outside the review cycle where necessary. Changes to standards are published on QQI's website. Providers with validated programmes and providers with delegated authority to make awards are responsible for monitoring relevant standards and making necessary responses to changes.

3. FET Credit

Every FET certificate and component specification includes an FET credit value (Table 1). FET credit is quantified in multiples of 5 FET credits (up to 50 hours of learner effort). Learner effort is based on the time taken by typical learners at the level of the award to achieve the learning outcomes for the award. It includes all learning time involved including: guided learning hours, self-directed learning and assessment.

Table 1: FET Credit Values

| NFQ Level | Major Awards Credit Values | Default Credit Values Minor Awards | Other Permitted Minor Award Credit Values | Special Purpose and Supplemental Award Credit Value Ranges |
|-----------|----------------------------|------------------------------------|---|--|
| 1 | 20 | 5 | 10 | |
| 2 | 30 | 5 | 10 | |
| 3 | 60 | 10 | 5,20 | >5 and <60 |
| 4 | 90 | 10 | 5,15,20 | >5 and <90 |
| 5 | 120 | 15 | 5,10,30 | >5 and <120 |
| 6 | 120 | 15 | 5,10,30 | >5 and <120 |

Guide to Level

Learning outcomes at this level include a broad range of skills that require some theoretical understanding. The outcomes may relate to engaging in a specific activity, with the capacity to use the instruments and techniques relating to an occupation. They are associated with work being undertaken independently, subject to general direction.

| Strand | Sub-strand | Nature of learning |
|------------------|-------------|--|
| Knowledge | Breadth | Broad range of knowledge |
| | Kind | Some theoretical concepts and abstract thinking, with significant depth in some areas. |
| Know How & Skill | Range | Demonstrate a broad range of specialised skills and tools |
| | Selectivity | Evaluate and use information to plan and develop investigative strategies and to determine solutions to varied unfamiliar problems |

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| Competence | Context | Act in a range of varied and specific contexts, taking responsibility for the nature and quality of outputs; identify and apply skill and knowledge to a wide variety of contexts |
| | Role | Exercise some initiative and independence in carrying out defined activities; join and function within multiple, complex and heterogeneous groups |
| | Learning to Learn | Learn to take responsibility for own learning within a managed environment |
| | Insight | Assume full responsibility for consistency of self- understanding and behaviour |

Extract from 'Determinations for the Outline National Framework of Qualifications': NQAI