

Level 3 Apprenticeship Framework

Vehicle Maintenance & Repair

Framework No. 346 Issue 7: 01/18

The content of this framework has been agreed between the Department for the Economy (DfE) and The Institute of the Motor Industry (IMI). This is the only Level 3 training in this skill acceptable for the receipt of ApprenticeshipsNI funding.

1. **GENERAL**

This framework specifies the standards and the criteria for the delivery of a Level 3 Apprenticeship framework to achieve qualified status within the Automotive Retail Industry. Successful completion of the framework will lead to the award of:

* Either a competency based qualification (VCQ) and a knowledge and skills based qualification (VRQ) at Level 3, or (if applicable) a combined competency and knowledge and skills based qualification at Level 3;
* Essential Skills certificate(s); and
* Recognition as a qualified individual within the Automotive Retail Industry.

1. **PROVISION CONTENT**

Provision shall comprise three or four main elements to be delivered in an integrated manner, not isolated subjects. Achievement of either the Competency Based qualification (VCQ) and Knowledge and Skills Based (VRQ) qualification at Level 3, or a Combined Competency and Knowledge based qualification at Level 3 (if applicable) will be demonstrated by possession of Awarding Organisation certificates. Full breakdowns of the combinations of units that will enable achievement of the qualifications are available from the Awarding Organisation or on the Ofqual Qualifications Register website: <http://register.ofqual.gov.uk>

**The pathways and subsequent routes available are listed below:**

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| **Route 1 - Light Vehicle** | | |
| **Competency Based**  **Qualifications (VCQ)** | **AND** | **Knowledge and Skills Based**  **Qualifications (VRQ)** |
| IMI Level 3 Diploma in Light Vehicle Maintenance and Repair Competence  (Qualification Number 500/9815/9)  **OR**  City & Guilds Level 3 Diploma in Light Vehicle Maintenance and Repair Competence  (Qualification Number 501/0017/8) | IMI Level 3 Diploma in Light Vehicle Maintenance and Repair Principles (VRQ)  (Qualification Number 500/9814/7)  **OR**  City & Guilds Level 3 Diploma in Light Vehicle Maintenance and Repair Principles  (Qualification Number 501/0019/1)  **OR**  IMI Level 3 Extended Diploma in Light Vehicle Maintenance and Repair Principles (VRQ) (Qualification Number 600/1691/7)  **OR**  Pearson BTEC Level 3 Diploma in Vehicle Technology (QCF) **(NOTE ANNEX A)**  (Qualification Number 600/4343/X) |

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| **Route 2 - Heavy Vehicle** | | |
| **Competency Based**  **Qualifications (VCQ)** | **AND** | **Knowledge and Skills Based**  **Qualifications (VRQ)** |
| IMI Level 3 Diploma in Heavy Vehicle Maintenance and Repair Competence  (Qualification Number 500/9823/8)  **OR**  City & Guilds Level 3 Diploma in Heavy Vehicle Maintenance and Repair Competence  (Qualification Number 500/9984/X) | IMI Level 3 Diploma in Heavy Vehicle Maintenance and Repair Principles (VRQ)  (Qualification Number 500/9812/3)  **OR**  City & Guilds Level 3 Diploma in Heavy Vehicle Maintenance and Repair Principles  (Qualification Number 500/9983/8) |

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| **Route 3 – Motorcycle** | | |
| **Competency Based**  **Qualifications (VCQ)** | **AND** | **Knowledge and Skills Based**  **Qualifications (VRQ)** |
| IMI Level 3 Diploma in Motorcycle Maintenance and Repair Competence  (Qualification Number 500/9685/0)  **OR**  City & Guilds Level 3 Diploma in Motorcycle Maintenance and Repair Competence  (Qualification Number 501/0023/3) | IMI Level 3 Diploma in Motorcycle Maintenance and Repair Principles (VRQ)  (Qualification Number 500/9684/9)  **OR**  City & Guilds Level 3 Diploma in Motorcycle Maintenance and Repair Principles  (Qualification Number 501/0021/X) |

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| **Route 4 – Auto Electrics / Mobile Electrics** | | |
| **Competency Based**  **Qualifications (VCQ)** | **AND** | **Knowledge and Skills Based**  **Qualifications (VRQ)** |
| IMI Level 3 Diploma in Auto Electrical and Mobile Electrical Competence  (Qualification Number 500/9938/3) | IMI Level 3 Diploma in Auto Electrical and Mobile Electrical Principles (VRQ) (Qualification Number 500/9691/6) |

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| **Route 5 – Caravans and Motorhomes** |
| **Combined Competency Based + Knowledge and Skills Based Qualifications** |
| IMI Level 3 Diploma in Caravan and Motorhome Maintenance and Repair  (Qualification Number 600/6086/4) |

1. **mandatory essential Skills**

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| **Essential Skills** | **Required Level** |
| Application of Number | Level 2 (for all pathways) |
| Communication | Level 2 (for all pathways) |
| Information and Communication Technology | Level 1 (for all pathways) |

1. **RELATED KNOWLEDGE**

All routes must include mandatory induction. Employee Rights and Responsibilities must be covered and explained during the induction period.

1. **RESPONSIBILITIES**

It is the responsibility of the supplier to ensure that the requirements of this framework are delivered in accordance with ApprenticeshipsNI Operational Guidelines.

**The Participant must be employed from day one.**

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| Training Programmes Branch 5th Floor Adelaide House 39-49 Adelaide Street Belfast BT2 8FD  [www.nidirect.gov.uk/apprenticeships](http://www.nidirect.gov.uk/apprenticeships)  [apprenticeships@economy-ni.gov.uk](mailto:apprenticeships@economy-ni.gov.uk)  Tel: 0300 200 7876 | Further information may be obtained from either organisation  **ApprenticeshipsNI Level 3 Framework No. 346 Issue 7: 01/18** | The IMI Fanshaws Brickendon Hertford SG13 8PQ  [www.theimi.org.uk](http://www.theimi.org.uk)  [enquiries@theimi.org.uk](mailto:enquiries@theimi.org.uk)  Tel: 01992 519039  Fax: 01992 511548 |



Level 3 Apprenticeship Framework ANNEX A

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**Specific Module Requirements for**

**Pearson BTEC Level 3 Diploma in Vehicle Technology (QCF)**

**(Qualification Number 600/4343/X)**

The Pearson BTEC Level 3 Diploma in Vehicle Technology (QCF) includes a wide variety of units. To ensure the appropriate standard is met to achieve recognition as a qualified individual within the Automotive Retail Industry, the IMI has sought advice from the Awarding Organisation and trainers for this qualification in relation to the most appropriate units that Light Vehicle Apprentices should complete.

If an apprentice chooses to complete this qualification as part of their framework, they **MUST** complete the following modules in order to qualify for their full framework certificate and evidence must be provided of their completion.

**Learners must choose all 4 mandatory units and at least 7 of the 8 optional units:**

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| **Unit Number** | **Unit Name** | **Credit** | **Level** |
| **Mandatory Units: All 4 to be taken by ALL Light Vehicle Apprentices** | | | |
| **1** | Operation of Vehicle Chassis Systems | 10 | 3 |
| **2** | Vehicle Engine Principles, Operation, Service and Repair | 10 | 3 |
| **3** | Vehicle system Fault Diagnosis and Rectification | 10 | 3 |
| **4** | Vehicle Project | 20 | 3 |
| **Optional Units: At least 7 out of 8 to be taken by ALL Light Vehicle Apprentices** | | | |
| **5** | Applications of Vehicle Science and Mathematics | 10 | 3 |
| **6** | Electrical and Electronic Principles for Vehicle Technology | 10 | 3 |
| **7** | Vehicle Electrical Charging and Starting Systems | 10 | 3 |
| **9** | Diesel Fuel Injection Systems for Compression Ignition Engines | 10 | 3 |
| **10** | Operations and Testing of Vehicle Electronic Ignition Systems | 10 | 3 |
| **11** | Vehicle Engine Management Systems | 10 | 3 |
| **12** | Operation and Maintenance of Light Vehicle Transmission Systems | 10 | 3 |
| **18** | Mathematics for Engineering Technicians | 10 | 3 |