

Qualification Information

Heavy Vehicle Maintenance and Repair



May 2011

Apprenticeships Explained

The purpose of this section is to explain and provide a clear understanding of the components that make up the apprenticeship for Heavy Vehicle Maintenance and Repair.

Description of Apprenticeship Framework

The Framework specifies the main components set by the awarding body which include:

- VCQ Levels 2 & 3
- Technical Certificate Levels 2 & 3
- Functional Skills/Key Skills Level 1 & 2 (Maths, English & ICT)

Heavy Vehicle Learner Journey

There is one route within this qualification at level 2 & 3

Heavy Vehicle Learner Journey VCQ Level 2

The Heavy Vehicle VCQ is based upon Mandatory (M) and Optional (O) units which can be chosen depending upon the learners ability (usually determined by the position held and responsibilities) to prove competence within the area. It also enables employers to choose areas which they wish to focus on improving competence.

A minimum of 101 credits is required to achieve the Level 2 in Heavy Vehicle. 29 credits from 6 mandatory units, 63 credits from 10 mandatory specialist units and a minimum of 9 credits from 1 'set' of optional units.

Group A: Mandatory Units	Credits
G0102C - Competency in Health, Safety and Good Housekeeping in the Automotive Environment	7
G0102K - Knowledge in Health, Safety and Good Housekeeping in the Automotive Environment	3
G3C - Competency in supporting job roles in the Automotive Environment	5
G3K - Knowledge in supporting job roles in the Automotive Environment	3
G4K - Knowledge of Materials, Fabrication, Tools and Measuring Devices used in the Automotive Environment	4
G4S - Skills in Materials, Fabrication, Tools and Measuring Devices used in the Automotive Environment	7
Group B Mandatory Specialist Units	Credits
HV01C - Competency in Conducting Routine Heavy Vehicle Maintenance	7
HV01K - Knowledge of Conducting Routine Heavy Vehicle Maintenance	2
HV02C - Competency in Removing and Replacing Heavy Vehicle Engine Units and Components	10
HV02.1K - Knowledge of Heavy Vehicle, Engine Mechanical, Lubrication, and Cooling System Units and Components	3
HV02.2K - Knowledge of Heavy Vehicle, Fuel, Air Supply & Exhaust System Units and Components	3
HV03C - Competency in Removing and Replacing Heavy Vehicle Electrical Units and Components	10
HV03K - Knowledge in Removing and Replacing Heavy Vehicle Electrical Units and Components	6
HV04C - Competency in Removing and Replacing Heavy Vehicle Chassis Units and Components	10
HV04K - Knowledge in Removing and Replacing Heavy Vehicle Chassis Units and Components	6
HV12K - Knowledge in Removing and Replacing Heavy Vehicle Transmission and Driveline Units and Components	6

Group C Optional Units		Credits
HV0506C-	Competency required to Inspect Heavy Vehicles Using Prescribed Methods	5
HV0506K-	Knowledge of Inspecting Heavy Vehicles	4
HV12C	Competency in Removing and Replacing Heavy Vehicle Driveline Units and Components	10

Heavy Vehicle Learner Journey VCQ Level 3

The Heavy Vehicle VCQ is based upon Mandatory (M) and Optional (O) units which can be chosen depending upon the learners ability (usually determined by the position held and responsibilities) to prove competence within the area. It also enables employers to choose areas which they wish to focus on improving competence.

A minimum of 77 credits is required to achieve the Level 3 in Heavy Vehicle. 29 credits from 6 mandatory units, 63 credits from 8 mandatory specialist units and a minimum of 10 credits from 1 'set' of optional units.

Group A: Mandatory Units	Credits
G0102C - Competency in Health, Safety and Good Housekeeping in the Automotive Environment	7
G0102K - Knowledge in Health, Safety and Good Housekeeping in the Automotive Environment	3
G3C - Competency in supporting job roles in the Automotive Environment	5
G3K - Knowledge in supporting job roles in the Automotive Environment	3
G4K - Knowledge of Materials, Fabrication, Tools and Measuring Devices used in the Automotive Environment	4
G4S - Skills in Materials, Fabrication, Tools and Measuring Devices used in the Automotive Environment	7

Group B Mandatory Specialist Units	Credits
AE06C - Competency in Diagnosing and Rectifying Automotive Vehicle Auxiliary Electrical Faults	10
AE06K - Knowledge of Diagnosing and Rectifying Automotive Vehicle Auxiliary Electrical Faults	6
HV06C - Competency required to Inspect Heavy Vehicles to Comply with Legal Requirements	5
HV0506K- Knowledge of Inspecting Heavy Vehicles	4
HV07C - Competency in Diagnosing and Rectifying Heavy Vehicle Engine Faults	10
HV07K - Knowledge of Diagnosing and Rectifying Heavy Vehicle Engine Faults	6
HV08C - Competency in Diagnosing and Rectifying Heavy Vehicle Chassis System Faults	10
HV08K - Knowledge of Diagnosing and Rectifying Heavy Vehicle Chassis System Faults	6
HV13K - Knowledge of Diagnosis and Rectification of Heavy Vehicle Transmission and Driveline Faults	6

Group C Optional Units	Credits
G6C - Competency in Making Learning Possible through Demonstration and Instructions	5
G6K - Knowledge of how to Make Learning Possible through Demonstration and Instructions	5
G8C - Competency in Identifying and Agreeing Motor Vehicle Customer Service Needs	5
G8K - Knowledge in Identifying and Agreeing Motor Vehicle Customer Service Needs	5
HV11.1C- Competency in Overhauling Heavy Vehicle Engine Mechanical Units	6
HV11.1K- Knowledge in Overhauling Heavy Vehicle Engine Mechanical Units	5
HV11.2C- Competency in Overhauling Heavy Vehicle Transmission Units	6
HV11.2K- Knowledge in Overhauling Heavy Vehicle Transmission Units	4
HV11.3C- Competency in Overhauling Heavy Vehicle Steering and Suspension Units	6
HV11.3K- Knowledge in Overhauling Heavy Vehicle Steering and Suspension Units	4
HV13C - Competency in Diagnosing and Rectifying Heavy Vehicle Transmission and Driveline Faults	10

Technical Certificate for Heavy Vehicle Maintenance and Repair

The Technical Certificate in Heavy Vehicle is a parallel qualification which provides the knowledge requirements for the apprenticeship. Each unit has a set of guided learning hours to achieve. There will be practical assessments, written assessments and online examinations to determine knowledge retention.

Functional Skills / Key Skills

Functional skills / Key skills are designed to complement the apprenticeship and allow the learner to carry out essential tasks effectively in Maths, English and Information and Communication Technology (ICT). These are delivered at level 1 when completing an apprenticeship at Level 2 with progression to Level 2 for an advanced apprenticeship at Level 3.

Delivery Model

The Technical Certificate and Functional Skills will be delivered via a day release programme in partnership with one of our local centres of excellence.

The VCQ is assessed in the workplace by an experienced Remit assessor who will carry out the observations and give one to one coaching to encourage progression.

All visits will be arranged in advance with the appropriate manager or supervisor to ensure that the visit is convenient, any policies and procedures for on-site visits are followed and observation opportunities to gain evidence will be maximised whilst the assessor is at the employer's premises.

Timescales

The apprenticeship at level 2 will take 24 months to complete.

The advanced apprenticeship at Level 3 will take 12 months to complete.

This timescale is based on a day release programme of 1 college day per week which most of our centres of excellence offer.

For employers requiring further information on this or any other Remit training course
please contact 0115 9759550

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