

# Qualification Information

## *Auto Electrical and Mobile Electrical*



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## **Apprenticeships Explained**

The purpose of this section is to explain and provide a clear understanding of the components that make up the apprenticeship for Auto Electrical and Mobile Electrical.

## **Description of Apprenticeship Framework**

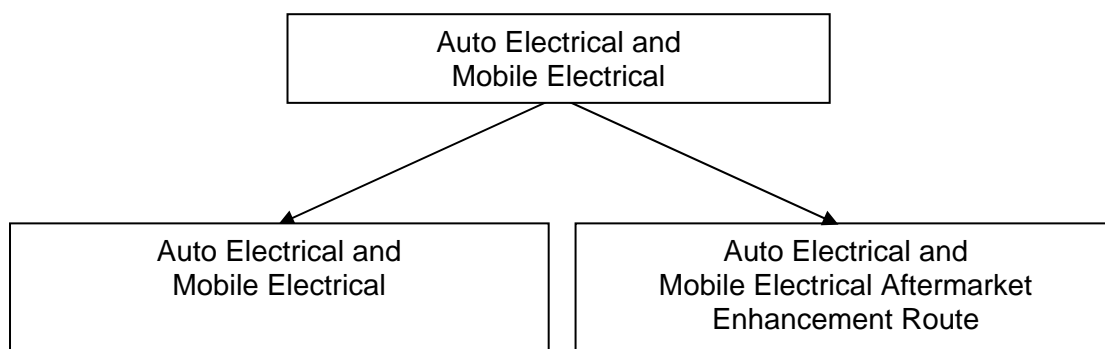
The Framework specifies the main components set by the awarding body which include:

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

## **Auto Electrical and Mobile Electrical Learner Journey**

There is one route within this qualification at level 2

There are two routes within this qualification at level 3



## **Auto Electrical and Mobile Electrical Learner Journey VCQ Level 2**

The Auto Electrical and Mobile Electrical 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 88 credits is required to achieve the Level 2 in Auto Electrical and Mobile Electrical. 29 credits from 6 mandatory units, 52 credits from 8 mandatory specialist units and a minimum of 7 credits from 1 'set' of optional units.**

<b>Group A:</b>	<b>Mandatory Units</b>	<b>Credits</b>
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
<b>Group B:</b>	<b>Mandatory Specialist Units</b>	<b>Credits</b>
AE01C	- Competency in Locating and Correcting Simple Electrical Faults in the Automotive Workplace	10
AE01K	- Knowledge of Locating and Correcting Simple Electrical Faults in the Automotive Workplace	6
AE02C	- Competency in Enhancing Vehicle Electrical Systems	10
AE02K	- Knowledge of Enhancing Vehicle Electrical Systems	6
AE08C	- Competency in Inspecting Vehicles Using Prescribed Methods	3
AE08K	- Knowledge of Inspecting Vehicles Using Prescribed Methods	1
LV03C	- Competency in Removing and Replacing Light Vehicle Electrical Units and Components	10
LV03K	- Knowledge in Removing and Replacing Light Vehicle Electrical Units and Components	6
<b>Group C:</b>	<b>Optional Units</b>	<b>Credits</b>
AE03C	- Competency in Overhauling of Electrical Units	10
AE03K	- Knowledge of the Overhauling of Electrical Units	6
AE07C	- Competency in Fitting Auxiliary Locks and Security Devices (Electrical and Mechanical)	5
AE07K	- Knowledge in Fitting Auxiliary Locks and Security Devices (Electrical and Mechanical)	3
BP18C	- Competency in Removing and Fitting Basic Light Vehicle Mechanical, Electrical and Trim (MET) Components and Non Permanently Fixed Vehicle Body Panels	5
BP18K	- Knowledge in Removing and Fitting Basic Light Vehicle Mechanical, Electrical and Trim (MET) Components and Non Permanently Fixed Vehicle Body Panels	2

### **Auto Electrical and Mobile Electrical Learner Journey VCQ Level 3**

The Auto Electrical and Mobile Electrical 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 85 credits is required to achieve the Level 3 in Auto Electrical and Mobile Electrical. 29 credits from 6 mandatory units, 20 credits from 4 mandatory specialist units and a minimum of 32 credits from 4 mandatory specialist units and a minimum of 4 credits from 1 'set'**

<b>Group A:</b>	<b>Mandatory Units</b>	<b>Credits</b>
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
<b>Group B:</b>	<b>Mandatory Specialist Units</b>	<b>Credits</b>
AE06C	- Competency in Diagnosing and Rectifying Automotive Vehicle Auxiliary Electrical Faults	10
AE06K	- Knowledge of Diagnosing and Rectifying Automotive Vehicle Auxiliary Electrical Faults	6
AE08C	- Competency in Inspecting Vehicles Using Prescribed Methods	3
AE08K	- Knowledge of Inspecting Vehicles Using Prescribed Methods	1
<b>Group C:</b>	<b>Mandatory Specialist Units</b>	<b>Credits</b>
AE04C	- Competency in Diagnosing and Rectifying Engine Electrical Faults	10
AE04K	- Knowledge in Diagnosing and Rectifying Engine Electrical Faults	6
AE05C	- Competency in Diagnosing and Rectifying Transmission and Chassis Electrical Faults	10
AE05K	- Knowledge of Diagnosing and Rectifying Transmission and Chassis Electrical Faults	6
<b>Group D:</b>	<b>Optional Units</b>	<b>Credits</b>
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
G37C	- Competency in Supporting Customer Service Improvements in the Automotive Sector	2
G37K	- Knowledge in Supporting Customer Service Improvements in the Automotive Sector	2
AE07C	- Competency in Fitting Auxiliary Locks and Security Devices (Electrical and Mechanical)	5
AE07K	- Knowledge in Fitting Auxiliary Locks and Security Devices (Electrical and Mechanical)	3
AE09C	- Competency in Identifying Suitability, Installation and Configuration of Vehicle Electrical Enhancements and Security Systems	10
AE09K	- Knowledge of the Suitability, Installation and Configuration of Vehicle Electrical Enhancements and Security Systems	6
AE10C	- Competency in Conducting Vehicle Enhancement and Installation Consultations with Customers In the Motor Vehicle Environment	5
AE10K	- Knowledge of Conducting Vehicle Enhancement and Installation Consultations with Customers In the Motor Vehicle Environment	2
BP18C	- Competency in Removing and Fitting Basic Light Vehicle Mechanical, Electrical and Trim (MET) Components and Non Permanently Fixed Vehicle Body Panels	5
BP18K	- Knowledge in Removing and Fitting Basic Light Vehicle Mechanical, Electrical and Trim (MET) Components and Non Permanently Fixed Vehicle Body Panels	2

**Auto Electrical and Mobile Electrical (Aftermarket Enhancement)**  
**Learner Journey VCQ Level 3**

The Auto Electrical and Mobile Electrical (Aftermarket Enhancement) 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 76 credits is required to achieve. 29 credits from 6 mandatory units, 20 credits from 4 mandatory specialist units and a minimum of 23 credits from 4 mandatory specialist units and a minimum of 4 credits from 1 'set'**

<b>Group A:</b>	<b>Mandatory Units</b>	<b>Credits</b>
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
<b>Group B:</b>	<b>Mandatory Specialist Units</b>	<b>Credits</b>
AE06C	- Competency in Diagnosing and Rectifying Automotive Vehicle Auxiliary Electrical Faults	10
AE06K	- Knowledge of Diagnosing and Rectifying Automotive Vehicle Auxiliary Electrical Faults	6
AE08C	- Competency in Inspecting Vehicles Using Prescribed Methods	3
AE08K	- Knowledge of Inspecting Vehicles Using Prescribed Methods	1
<b>Group C:</b>	<b>Mandatory Specialist Units</b>	<b>Credits</b>
AE09C	- Competency in Identifying Suitability, Installation and Configuration of Vehicle Electrical Enhancements and Security Systems	10
AE09K	- Knowledge of the Suitability, Installation and Configuration of Vehicle Electrical Enhancements and Security Systems	6
AE10C	- Competency in Conducting Vehicle Enhancement and Installation Consultations with Customers In the Motor Vehicle Environment	5
AE10K	- Knowledge of Conducting Vehicle Enhancement and Installation Consultations with Customers In the Motor Vehicle Environment	2

<b>Group D:</b>	<b>Optional Units</b>	<b>Credits</b>
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
G37C	- Competency in Supporting Customer Service Improvements in the Automotive Sector	2
G37K	- Knowledge in Supporting Customer Service Improvements in the Automotive Sector	2
AE07C	- Knowledge in Fitting Auxiliary Locks and Security Devices (Electrical and Mechanical)	5
AE07K	- Knowledge in Fitting Auxiliary Locks and Security Devices (Electrical and Mechanical)	3
AE09C	- Competency in Identifying Suitability, Installation and Configuration of Vehicle Electrical Enhancements and Security Systems	10
BP18C	- Competency in Removing and Fitting Basic Light Vehicle Mechanical, Electrical and Trim (MET) Components and Non Permanently Fixed Vehicle Body Panels	5
BP18K	- Knowledge in Removing and Fitting Basic Light Vehicle Mechanical, Electrical and Trim (MET) Components and Non Permanently Fixed Vehicle Body Panels	2

### **Technical Certificate for Auto Electrical and Mobile Electrical**

The Technical Certificate in Auto Electrical and Mobile Electrical 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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