

MOTOR VEHICLE SERVICE AND MAINTENANCE TECHNICIAN (LIGHT VEHICLE) APPRENTICESHIP LEVEL 3

For new or existing staff

Motor Vehicle Service and Maintenance Technicians service and repair light vehicles such as cars and vans and work either in dealerships which focus on a particular manufacturer, or in an independent garage which deals with many different makes of vehicles. They work on all the systems found within the vehicle. The nature of the work ranges from replacing simple parts, through to solving complex faults with the use of diagnostic methods and equipment. Apprentices must have strong problem-solving skills and a good grasp of the theoretical and practical aspects of a vehicle's systems. The growing complexity of today's vehicles, and the pressure to deliver a high-quality customer experience, requires the retail automotive sector to attract and train high calibre individuals and this is reflected in the elements of the apprenticeship standard.

Qualification

**Level 3 Award in Automotive
Refrigerant Handling (EC842-2006)**

**Completers may want to progress to
Master Technician Accreditation Level 4**

Delivery model and duration:

Apprentices will attend college for one day per week.

**Duration: 36 months +
3 months for End Point
Assessment**

Ideal for:

- Vehicle Technician
- Service Technician
- Recovery/Breakdown Mechanic
- Diagnostic Technician

The apprenticeship will cover the following core areas:

- Soft Skills and Behaviours
- Induction and Foundation skills
- Routine Services and Inspections
- Simple Diagnosis and Repair
- Intermediate Diagnosis and Repair
- Complex Diagnosis and Repair
- Complete System Understanding and Repair Major Components

Benefits to business:

- Increase future productivity
- Keep the business up to date with the latest knowledge and innovative practice
- Deliver on the job training to employees tailored to business needs
- Develop and retain existing staff by offering support and a fresh perspective

Entry Criteria:

- GCSEs in English, maths and science at grade 9-4 or A*-C

Benefits for learners:

- Gain technical knowledge and practical experience by combining on the job training with online study
- Improve career prospects
- Fill skills gaps in businesses

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GC
Gloucestershire College

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End Point Assessment

The End Point Assessment will test the entire Standard, and be undertaken as follows:

- Online Knowledge Test
- Skills Test
- Professional Discussion
- Completion of a Logbook

Components

- Level 3 Award in Automotive Refrigerant Handling (EC842-2006)
- Functional Skills Maths and English at Level 2

Knowledge

How vehicle service and repair is impacted by legislative, regulatory and ethical requirements, including health and safety law and environmental procedures

The structure of the industry and how the business works from an operational perspective, business targets, and the systems and processes that make up the efficient running of a business

How to develop positive working relationships and communicate effectively and how to carry out self-evaluation and improve own performance

The procedures for the maintenance of tools and the workshop

Routine servicing and inspection procedures

Steering and suspension geometries; electrical circuit requirements and calculations

Construction and operation of vehicle components and systems

Common fault types, causes and effects of different types of faults

The implications and legal requirements of fitting accessories and carrying out vehicle modifications

How to diagnose faults using suitable fault finding strategies

Construction and operation of advanced electrical, braking and suspension systems, engine and transmission systems and engine and gear calculations

Vehicle emissions and legal requirements

Alternative fuels and hybrid and electric systems

Skills

Contributing to the maintenance of a safe and efficient workshop

Demonstrating due regard for own safety and that of others in the workshop and minimise risk of injury and vehicle damage.

Carrying out fundamental tasks associated with removal and replacement procedures on a vehicle

Obtaining diagnostic and repair information

Interpreting diagnostic information and use electrical wiring diagrams to determine system serviceability

Using a range of diagnostic equipment

Following recognised diagnostic procedures, logical diagnostic sequence and apply advanced diagnostic principles and problem-solving techniques to establish faults

Reporting faults using company procedures and recommend suitable further actions

Following recognised repair procedures to complete a wide range of repairs including those which involve complex procedures, or in depth knowledge

Testing the function of repaired and fitted components

Adhering to business processes and complete documentation following workplace procedures

Using ICT to create emails, word-process documents and carry out web based searches

Completing a range of services and inspect and prepare a vehicle to the required quality standard for handover to the customer