

# Motor Vehicle

## Motor Vehicle & Engineering

**Campus:** Dearne Valley College

**Code:** DFEEN001A

### About This Course

Our Motor Vehicle courses give you access to modern professional-standard workshops where you can learn from industry-experienced tutors in environments that reflect real-world working environments.

As well as top-quality workspaces you'll have the chance to gain sought-after skills and work on emerging technologies such as electric and hybrid vehicles. You can choose to specialise in either vehicle maintenance or vehicle repair, opening up a breadth of career choices in an evolving industry.

The motor vehicle teaching team has a passion for all things automotive, creating an energetic and rewarding learning environment. Within our industry-standard, state-of-the-art workshops, you'll be hands-on working on real vehicles, to gain the knowledge and skills that will enable you to achieve your aims and ambitions within the motor vehicle industry. Our experienced staff will provide you with experience of vehicle maintenance, vehicle fitting, body repair, hybrid and electric vehicle awareness and automotive refrigerant handling.

### What Will I Study?

Level 1 Vehicle accident repair (Multi-Skill)

- Health and Safety in the Workplace
- Tools, Equipment and Consumable Materials for Vehicle Maintenance
- Engine Cooling System Components and Maintenance
- Steering System Components and Maintenance
- Braking System Components and Maintenance
- Vehicle Electrical Circuits and Components
- Remove and Replace Interior and Exterior Trim
- Vehicle Damage Assessment
- Introduction to Metal Preparation
- Panel Removal and Refitting
- Minor Panel Damage Repairs
- Vehicle Welding Techniques
- Adhesive Bonding and Mechanical Fastening
- Primer Preparation and Application Techniques
- Vehicle Interior & Exterior Valeting and Detailing

## L2 Vehicle Fitting

Health, Safety and Good Housekeeping in the Automotive Environment

Supporting Job Roles in the Automotive Environment

Materials, Fabrication, Tools and Measuring Devices used in the Automotive Environment

Inspection, Repair and Replacement of High-Performance Light Vehicle Tyre

Inspection, Testing and Replacement of Vehicle Batteries and Related Components

Adjustment and Replacement of Light Vehicle Braking Systems and Components

## L2 Light Vehicle Maintenance and Repair

Health, Safety and Good Housekeeping in the Automotive Environment

Supporting Job Roles in the Automotive Environment

Materials, Fabrication, Tools and Measuring Devices used in the Automotive Environment

Routine Light Vehicle Maintenance

Removing and Replacing Light Vehicle Engine Units and Components

Light Vehicle Engine Mechanical, Lubrication and Cooling System Units and Components

Removing and Replacing Light Vehicle Electrical Units and Components

Removing and Replacing Light Vehicle Chassis Units and Components

Removing and Replacing Light Vehicle Transmission and Driveline Units and Components

## L3 Light Vehicle Maintenance and Repair

Health, Safety and Good Housekeeping in the Automotive Environment

Supporting Job Roles in the Automotive Environment

Materials, Fabrication, Tools and Measuring Devices used in the Automotive Environment

Diagnosing and Rectifying Vehicle Auxiliary Electrical Faults

Diagnosing and Rectifying Light Vehicle Engine Faults

Diagnosing and Rectifying Light Vehicle Chassis System Faults

Diagnosis and Rectification of Light Vehicle Chassis System Faults

Diagnosis and Rectification of Light Vehicle Transmission and Driveline Faults

## L2 Diploma in vehicle accident repair paint

Health, Safety and Good Housekeeping in the Automotive Environment

Knowledge of Support for Job Roles in the Automotive Environment

Tools and Equipment Used in Vehicle Refinishing

Applying Fillers and Foundation Materials

Preparing Metal and Pre-Painted Surfaces

Knowledge of Repairing Minor Paint Defects

Removing and Fitting Non-Permanently Fixed Motor Vehicle Body Panels

## Level 3 Diploma in vehicle accident repair paint

Preparation and application procedures

Diagnosis and rectifying of paint faults

Working with plastic materials and components

Preparing metal and pre-painted surfaces

Establishing paint defects

Applying topcoats and completing refinishing

Colour matching

## Apprenticeships

## Level 2 Autocare

As an Auto-care Technician you will carry out a range of services and repairs to cars, car derived vans and light goods vehicles, working in an Auto-care or 'Fast-Fit' centre, which may be part of a national chain or operated by a regional/local independent group/owner. As an Auto-care Technician you require a unique combination of technical, retail and customer service skills. You will use a range of tools, measuring and diagnosing equipment to identify and repair simple system faults.

## Level 3 Vehicle Service and Maintenance Technician

As a Motor Vehicle Service and Maintenance Technician you will carry out a range of services and repairs to cars, car derived vans and light goods vehicles. You can work in a dealership, which focus on a particular manufacturer or an independent garage which deal with many different makes. You will work on all the systems found within the vehicle, including replacing simple parts to solving complex faults with the use of diagnostic methods and equipment.

## Why Study Here?

You can fuel your future in our state-of-the-art motor vehicle workshop at Dearne Valley College. If you're interested in a career in motor vehicles you can train in our high-spec facilities, which reflect those used in industry. This includes working on modern electric and hybrid vehicles where you can learn key skills that will prepare you for the ever-evolving motor vehicle industry.

## Entry Requirements

Grades 1-3 within English and Maths.

## How To Apply

You can apply using our online application form and clicking the **Apply Now** button at the top of this page.

For more information support with your enquiry or application please contact Student Services by emailing [learn@dearne-coll.ac.uk](mailto:learn@dearne-coll.ac.uk) [mailto:learn@dearne-coll.ac.uk] or by calling **01709 513355**.

## What Courses Can I Progress Onto?

Level 2 Vehicle Accident Repair or Apprenticeship equivalent

## Tuition Fees

16-18 year olds do not need to pay course fees

Those aged 19 or over may not need to pay fees depending on their circumstances. Find out if you qualify for help with fees.

If you need further advice or guidance please contact the Enquiries Team on 01709 513355.

## Additional Information

You will study GCSE maths and English as part of your programme of study if you haven't achieved a grade 4 or above and you are aged 16-18. You will also be required to purchase a Safety Boots and Overalls as part of your programme further details can be obtained at interview.

### PLEASE NOTE

We make every effort to ensure information within our online course directory is accurate and a true representation of the courses we are offering in 2022-23 or 2023-24. However, we do reserve the right to make changes if necessary.

**Last updated:** 5th July 2024