

Motor Vehicle

Diploma in Light Vehicle Maintenance

Campus: Dearne Valley College

Code: DFEEN004B

Level: 3

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?

Study Programmes

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
Inspection, 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.

Adult course

L2 Certificate for the Introduction to Hybrid/Electric

This certificate is an introduction to safe maintenance of high voltage systems on hybrid and electric vehicles

L3 Award in F-Gas

This Defra-approved qualification offers a single unit solution that provides experienced automotive Mobile Air Conditioning (MAC) technicians with evidence that they meet the minimum F-gas requirement. All Mobile Air Conditioning (MAC) technicians working with cars and car derived vans, must have achieved as a minimum requirement, a refrigerant handling qualification which fulfils the European Union F-gas Regulation.

L2 Award in Hybrid/Electric

The content of this qualification has been designed to give the learners the knowledge and skills required to work safely on Electric/Hybrid vehicles whilst carrying out routine maintenance and repair activities (not voltage components or systems). This may include vehicles that may have or had damage to their high energy/electrical system.

L3 Award in Hybrid/Electric

The content of this qualification has been designed to give the learners the knowledge and skills required to work safely on Electric/Hybrid vehicles whilst carrying out diagnostic, testing and repair activities. This may include vehicles that may have or had damage to their high energy/electrical system.

L4 Award in Hybrid/Electric

This unit enables learners to demonstrate, in a practical way, their knowledge of high voltage vehicle systems including diagnostic, testing and repair procedures. The unit also ensures that the learner is aware of the effect that electric/hybrid vehicle technology has on other vehicle systems. Note: This unit provides the knowledge and skills required to work on live high voltage vehicle electrical components and associated systems. A good level of electrical understanding is required prior to the completion of this unit.

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

2 GCSEs in English and Maths, with a grade 4 or above Level 2 Light Vehicle Maintenance and Repair Successful interview with a course tutor where you must be able to demonstrate a strong willingness and commitment to this programme of study.

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] or by calling **01709 513355**.

What Courses Can I Progress Onto?

A higher-level or degree-level course in Engineering at a University.

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 here.

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 2021-22 or 2022-23. However, we do reserve the right to make changes if necessary.

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