

IMI Level 2 Diploma in Light Vehicle Maintenance and Repair Principles

If you want to work in a garage repairing, modifying, servicing or carrying out routine maintenance on cars and light commercial vehicles this is an excellent qualification that will help you achieve your aim. You will be customer facing and need to develop skills to allow you to communicate effectively both verbally and in writing. You will gain excellent technical knowledge on all of the systems fitted to a modern vehicle.

Why choose this course?

Working on modern vehicles can be very challenging and as a technician, you will need to have a variety of well-developed skills. Whilst an element of your day-to-day job will be hands-on, every vehicle will present a new challenge and new problems to solve. Make no mistake, a modern vehicle is an extremely complex piece of machinery that needs experience, skill, knowledge and patience to effectively diagnose and repair safely, quickly and effectively.

It doesn't matter if it's an old banger or a supercar, each car is the owner's pride and joy; entrusting the work to you is a big responsibility and you will find real satisfaction in a job well done.

What will I learn?

You will be taught through a blended learning approach incorporating taught sessions, assessments and online learning. One-to-one support, tuition and advice are available from our team of very experienced and well-qualified tutors.

Modules that you will study are delivered consecutively:

Knowledge of health, safety and good housekeeping in the automotive environment: This unit enables you to develop an understanding of environmental maintenance, using resources economically and maintaining health and safety in the motor vehicle environment. It will provide an appreciation of significant risks in the automotive environment and how to identify and deal with them. Once completed you will be able to identify hazards, evaluate and reduce risk.

Skills in health, safety and good housekeeping in the automotive environment: This unit will enable you to develop the skills required to carry out day to day work area cleaning, clearing away, dealing with spillages and disposal of waste used materials and debris. You will learn how to identify hazards and risks in the automotive environment and comply with relevant legislation and good practice, working safely at all times within the automotive environment, both as an individual and with others.

Knowledge and skills of support for job roles in the automotive work environment: This unit enables you to develop an understanding of how to keep good working relationships with all colleagues in the automotive work environment by using effective communication and support skills.

Knowledge and skills of materials, fabrication, tools and measuring devices used in the automotive environment: This unit enables you to develop an understanding of: the correct selection, care and use of key hand tools and measuring devices for modification, fabrication and repair in the automotive environment; the correct preparation and use of common automotive environment equipment; the correct selection and fabrication of materials used when modifying and repairing; and the correct application of automotive engineering fabrication and fitting principles.

Knowledge and skills in routine light vehicle maintenance: This unit enables you to develop an understanding of conducting routine maintenance, adjustment and replacement activities as part of the periodic servicing of light vehicles.

Knowledge and skills in light vehicle engine mechanical, lubrication and cooling system units and components:

This unit enables you to develop an understanding of the construction and operation of common engine mechanical, lubrication and cooling systems. It also covers the procedures involved in the removal and replacement of system components and the evaluation of their performance.

Knowledge and skills in light vehicle fuel, ignition, air and exhaust system units and components: This unit enables you to develop an understanding of the construction and operation of common fuel, ignition, air and exhaust systems. It also covers the procedures involved in the removal and replacement of system components and the evaluation of their performance.

Knowledge and skills in removing and replacing light vehicle electrical units and components: This unit allows you to develop the skills to remove and replace motor vehicle electrical system components. It also covers the evaluation of performance of the replaced units and systems.

Knowledge and skills in removing and replacing light vehicle chassis units and components: This unit allows you to develop the skills to remove and replace light vehicle steering, suspension and braking units (including wheels and tyres). It also covers the evaluation of performance of the replaced units and systems.

Knowledge and skills in removing and replacing light vehicle transmission and driveline units and components: This unit enables you to develop an understanding of the construction and operation of common transmission and driveline systems. It also covers the procedures involved in the removal and replacement of system components and the evaluation of their performance.

Knowledge of how to identify and agree motor vehicle customer service needs: This unit enables you to develop an understanding of how to: gain information from customers on their perceived needs; give advice and information and agree on a course of action; provide a contract for the agreed work and complete all necessary records and instructions.

Knowledge of inspecting light vehicles using prescribed methods and skills in inspecting light vehicles using prescribed methods: This unit enables you to develop an understanding of carrying out a range of inspections on light vehicles using a variety of prescribed testing and inspection methods.

Assessment Arrangements

You will learn in the workshop and an appropriately equipped classroom. After each taught module at College you will complete an online multiple choice assessment and a written assessment. Practical tasks carried out in our workshops will be evidenced by you completing a written "job card" that details the work carried out. Your workshop assessor will then sign and agree that you have completed the work to the required standard.

Information & Support

We encourage you to refer to you notes made during theory classes outside of college hours, in addition we recommend that you secure access to a motor vehicle technology textbook to help you with areas of technology that you require extra assistance with. Teachers will provide you with external web links and resources which will help you in your studies. Some PPE will be required for the course – you will be advised of this at interview.

What do I need?

Level 1 Diploma in Light Vehicle Maintenance and Repair Principles and Grade 3 or equivalent in 3 GCSEs which must include Maths and English Language and preferably Science/ICT. You will also need to attend an interview with the course coordinator and show a keen subject interest.

Where will it take me?

The qualification that you will be working towards is highly valued in the industry not only in the UK but in other English speaking countries, potentially allowing you to work all over the world. The IMI (Institute of the Motor Institute) governs the standards and skills required by employers in many sectors of motor employment as an Apprentice, you could work for a dealership and focus on a particular manufacturer or work for an independent garage that services and repairs many different makes of vehicles.