

All About Automotive



All About Automotive for offender learning. Newsletter 2.

A newsletter from City & Guilds on professional and technical education available for prison delivery.

This newsletter focuses on:

- What's been happening around the sector?
- Our Automotive Qualifications
- Our Cycle Maintenance Qualifications
- Our Motorcycle Qualifications
- Our Automotive Short Courses

What's been happening around the sector?

Vehicle Maintenance

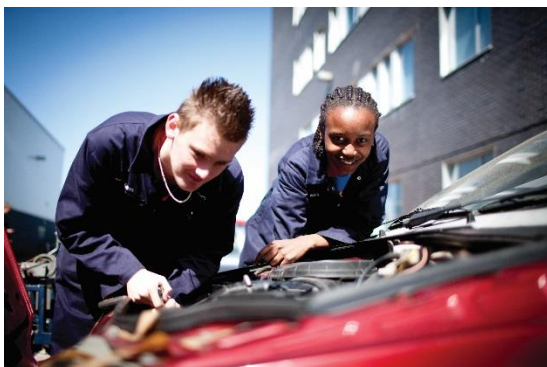
We have been busy supporting and updating the Vehicle Maintenance provision with six prisons over the last year. Also, we have seen some excellent facilities and some investment in new equipment – there certainly seems to be continued interest in offering Automotive and Cycle Maintenance Qualifications.

Cycle Maintenance

Our Cycle Maintenance courses continue to be popular with new interest from seven prisons over the last year.

As always, don't hesitate to get in touch if you need advice and support for any of our Automotive or Cycle Maintenance Qualifications.

Overview of offer:



3902 Introductory Qualifications in Vehicle Systems, Body and Paint Maintenance and Cycle Mechanics

This is a very popular group of qualifications, which can be taken at Award, Certificate and Diploma level. The units are very flexible and many combinations can be used to suit the learner and the resources available. **The qualification can be used for Cars, Motorcycle or Heavy Vehicle.** A common qualification used is the **3902-11** which is the Introduction to Vehicle Systems Maintenance. This can be achieved without any examinations and focused fully on the practical skills.

We also have the following popular Cycle Maintenance Qualifications.

Cycle Mechanics

Cycling has really gained in popularity the last few years with many cycle repair shops opening around the UK. These courses are ideal, for anyone wishing to work in the cycle industry and wants a recognised qualification or for someone with mechanical experience, looking to take their knowledge to the next level.

This also fits really well with life cycle www.lifecycleuk.org.uk

Entry level 3 Award in Cycle Mechanics 3902-08 E3 (25 GLH)

Level 1 Award in Cycle Mechanics 3902-18 LV1 (31GLH)

Level 2 Certificate in Cycle Mechanics 3902-28 LV2 (103 GLH)

An example of study on the Level 2 Cycle Mechanics course:

- Workshop induction, health & safety, tyres tubes and punctures
- Brakes: remove, replace & configure V-brakes, Cantilever and Dual Pivot rim brake assemblies. Introduction to cable and hydraulic disc brakes
- Gears: remove, replace & configure derailleurs, chain, cassette/freewheel, chain set, cables and shifters
- Hub bearings: remove, replace & service loose and cartridge bearings
- Bottom brackets (adjustable, cartridge & external); cranks; facing bottom brackets
- Headset assembly & servicing; facing & reaming the headtube
- Wheel Building
- Accessory fitting & systematic bike check
- Full bike re-build & final assessments

Again, these are practical qualifications without the need for examination. Evidence is collected in a portfolio format, images and short answers can be used for the knowledge.



Vehicle Maintenance and Repair (VRQs) (4290)

These qualifications are also very popular. They contain a mixture of practical and theory. The knowledge is tested using our Evolve online exam system. **We also have versions for Motorcycle and Body repair.**
Popular choices are:

- Level 1 Diploma Vehicle Maintenance (4290-11)
- Level 2 Diploma in Light Vehicle Maintenance and Repair Principles (4290-12)
- Level 2 Diploma in Motorcycle Maintenance and Repair Principles (4290-32)
- Level 2 Diploma in Vehicle Fitting Principles (4290-52)
- Level 3 Diploma in Light Vehicle Maintenance and Repair Principles (4290-13)
- Level 3 Diploma in Motorcycle Maintenance and Repair Principles (4290-33)

We also have a comprehensive range of short courses also available:

Hybrid and Electric Vehicles

The Level 2 is ideal to top up your knowledge about the safety aspects of working with Hybrid and Electric vehicles.

The Level 3 is ideal if you want to prove your diagnosis and repair skills on a Hybrid/Electric Vehicle.

Level 2 Award in Hybrid Electric Vehicle Operation and Maintenance (4290-70) 20 GLH

Level 3 Award in Hybrid Electric Vehicle Repair and Replacement (4290-71) 50 GLH

Mobile Air Conditioning

The Level 3 basic award would be ideal as your first mobile air-conditioning qualification and also meets the mandatory legal requirements to handle F-Gas refrigerants (this is a legal requirement from DEFRA)

You might be working in the industry already and want to prove and develop your skills, or you might be completely new to air-conditioning.

The Level 3 Diagnosis Award offers a chance to show diagnosis and repair skills on the Air Conditioning system.

Level 3 Award in Basic Mobile Air Conditioning (7543-01) 30 GLH (covers the legal requirements)

Level 3 Award in Diagnosis and Repair of Mobile Air Conditioning/Climate Control Systems (7543-02) 40 GLH

To find out more, feel free to drop us a line to automotive@cityandguilds.com

Thank you for your continued support.

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