

Electric/Hybrid Vehicle System Repair and Replacement IMI Level 3 Award - FREE Skills Development Bootcamp

Study Mode: Part Time

Is this course right for me?

Are you a qualified automotive technician or a garage owner?

Do you want to:

- Gain an industry-recognised IMI Level 3 award in Electric/Hybrid Vehicle System Repair and Replacement?
- Gain the latest electric/hybrid vehicle skills and knowledge?
- Expand your business and the services you can offer to clients?

The electric/hybrid vehicle sector is one of the fastest-growing industries but, currently only 15% of vehicle technicians are trained in the latest technology.

If you're a qualified automotive technician this free training course* will enable you to develop your skills and enhance your employment or promotion prospects.

And, if you're a garage owner, this free training course* will enable you to upskill your existing staff with the latest industry knowledge and expand the services you can offer to your clients.

How long is the course?

The course is five days a week for one week.

To complete the course and gain the IMI Level 3 award in Electric/Hybrid Vehicle System Repair and Replacement you will be required to attend all scheduled training sessions.

Where is the course held?

Courses are held at the college's dedicated Electric Vehicle and Green Technologies Centre at Bentley Bridge, in Wednesfield – which is equipped with a modern open-plan workshop, an electric/hybrid vehicle and training system, and fully compliant electrical vehicle toolkit – and is taught by experienced and qualified trainers who specialise in electric vehicle training.

This course is funded by the [West Midlands Combined Authority](#)

****To be eligible for this course, you must be aged 19 or over, live within the West Midlands Combined Authority region, hold a Level 3 automotive qualification and have at least three years' relevant industry experience.***

Entry Requirements

What will I learn?

The course covers:

- Working safety on hybrid/electric vehicles systems
- Correct methods for shutting down and isolating high voltage systems Use of approved tools and safety equipment
- Layout and construction of electric/hybrid drive powertrain systems and the identification of key components
- Principles of high voltage battery construction, management and monitoring systems
- High voltage air conditioning compressors
- Design, construction and operating principles of three phase, brushless motor/generator systems
- Control systems required for efficient operation, and methods of electrical rectification and regulation
- Monitoring of live data using suitable diagnostic equipment
- This course includes e-learning elements using IMI Vocanto software

What skills will I gain?

How will I be assessed?

What can I do next?

Delivery

Location:

Start Date:

Day:

Time:

Course Fee:

Course Code: EMP

Study Mode: Part Time

Apply online: www.wolvcoll.ac.uk/apply