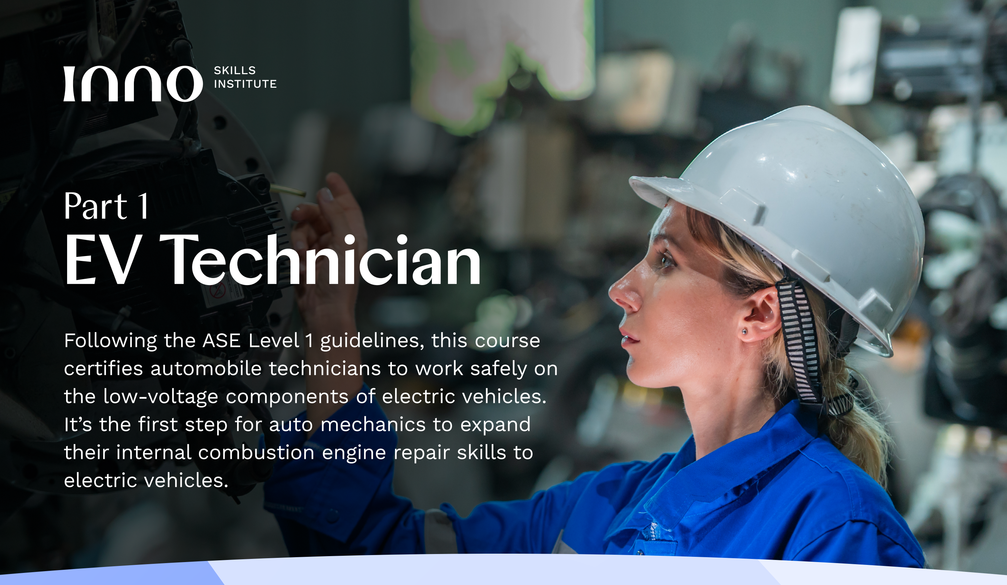
INNO SKILLS INSTITUTE



Part 1

EV Technician

Following the ASE Level 1 guidelines, this course certifies automobile technicians to work safely on the low-voltage components of electric vehicles. It's the first step for auto mechanics to expand their internal combustion engine repair skills to electric vehicles.

Who is the course for?

- Automotive Technicians/Mechanics
- Automotive Technicians (A-level)
- General Service Technicians

What will you learn?

- Describe the safety implications of working with high-voltage vehicle components
- Work safely on non-high voltage components of an EV
- Pass the ASE xEV Electrical Safety Standards Version 1.1 Level ONE "Electrically Aware Person" exam

Lesson breakdown

Total course duration: 1.5-2 hour (divided into three lessons) | Virtual

1

High Voltage Vehicle Repair Safety

Explain the safety hazards inherent in working around high-voltage vehicle components, recognise the highvoltage components of an EV, identify the outward signs and physical dangers of high-voltage shock, and list the steps to take in a high-voltage emergency.

2

Regulations and Legal Context

Compare the responsibilities and duties of an ASE Level 1, 2, and 3 Battery Technician and explain in detail the working procedures for a Level 1 "Electrically-Aware Person".

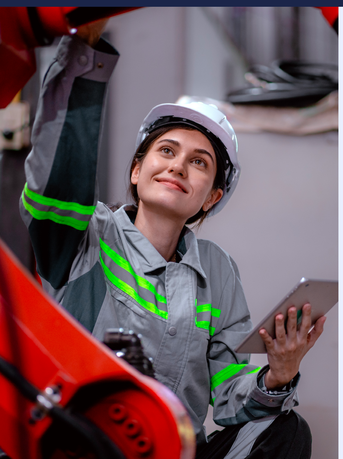
3

Similarities and Differences Between EV and ICE Vehicles

Describe the design and function of components unique to EVs, such as high-voltage batteries, charging systems, A/C compressors, converters, and motorgenerators, and explain the differences between EV and ICE designs, drivetrains, and electronics.

Prerequisite knowledge

Basic knowledge of internal combustion engine vehicle functions, troubleshooting, and repair.



Our lessons are...

- Designed to educate learners of all skill levels
- Interactive and engaging
- Supported by video content
- Backed up by downloadable content for further learning
- Delivered by industry experts
- The course is evaluated by a graded assessment

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