



MARS
INSTITUTE

HYBRID ELECTRIC VEHICLE (HEV) AND ELECTRIC VEHICLE (EV) SAFETY TRAINING

Depower and Reinitialise – 1 Full Day Course



The automotive industry is rapidly evolving with the rise of Battery Electric Vehicles (BEVs) and Hybrid Electric Vehicles (HEVs). To keep pace with these advancements, it's crucial to equip yourself with the right skills and knowledge. Our EV and HEV safety training course is designed to teach you the essential practices to safely depower and reinitialize high-voltage systems.

Whether you're looking to enhance your expertise or take the next step in your career, this hands-on training will prepare you to work confidently with cutting-edge electric vehicle technology.

Now is the time to broaden your skills and future-proof your career in the growing EV sector!

Course Overview

This course will equip participants with the necessary skills and knowledge to safely depower and reinitialise both Battery Electric Vehicles (BEVs) and Hybrid Electric Vehicles (HEVs). They will learn to ensure that vehicle high-voltage (HV) rechargeable energy storage system (RESS) is isolated before conducting any service or repair. Additionally, the course covers calibrating vehicle systems that may need resetting after reinitializing the energy storage system. This course places a strong emphasis on applying RESS and Separated Extra Low Voltage (SELV) safety procedures.

This course is suitable for automotive professionals with basic electrical knowledge, looking to upskill in Battery Electric Vehicles (BEVs) and Hybrid Electric Vehicles (HEVs) service and repair.

Program Schedule

Delivery Mode	On Campus On Site
Campus Location	Level 6, 416-420 Collins Street, Melbourne, Victoria 3000
Intake Schedule	Dates are scheduled throughout the year. For upcoming scheduled dates or more information, please email us at info@mars.edu.au or call us at +61 3 9645 2259
Duration	1 Full Day Course
Fee Structure	Please email us at info@mars.edu.au or call us at +61 3 9645 2259.

Course Units

To successfully complete this course, a participant must complete and demonstrate competency in the following 02 units of competency.

Code	Title
AURETH101	Depower and reinitialise battery electric vehicles.
AURETH011	Depower and reinitialise hybrid electric vehicles.

Entry Requirements

All participants in this course:

- Must be aged 18 years or over.
- Must demonstrate proficiency in both written and spoken English.
- Must have basic digital literacy.
- Must have access to a computer with camera and speaker functions.
- Must be physically capable of handling the demands of training and assessment.
- Must demonstrate competency in:
 - Safe work practices and electrical safety relevant to Battery Electric Vehicles (BEVs) and Hybrid Electric Vehicles (HEVs).
 - Understanding of electrical principles, including AC and DC systems
 - Vehicle-specific electrical requirements
 - Workplace policies, including quality control, documentation, and reporting related to deactivating and reinitializing HEV power supplies
 - Adherence to Commonwealth, state, or territory legislation, regulations, standards, and codes of practice.

Assessment methods

Written Questions and Practical Skill Assessments.

Mode of delivery

Face to Face

This intensive program is delivered in person over one full day. Students will access learning materials and assessments through a Learning Management System (Moodle) or physical copies.

Learning Outcomes

Participants that successfully complete the course will be awarded Statement of Attainment for the following units of competency:

- AURETH101 Depower and reinitialise battery electric vehicles.
- AURETH011 Depower and reinitialise hybrid electric vehicles.

