

HYBRID AND BATTERY ELECTRIC VEHICLE

RTO Accredited Training Course 5-DAY COURSE

The automotive industry is currently experiencing rapid change, including the increased uptake of battery electric and hybrid electric vehicles (HEV/BEV). But did you know that most mechanics lack the official training and specialised skills needed to effectively service and repair HEV/BEVs?

**Don't expose your business to needless risk!
Save time and money by ensuring your staff are qualified!**

Held over five days, this course expands upon our HEV/BEV short course and takes participants through advanced practices in working with electric technology.

This course is a must for businesses and staff wanting to upskill and take advantage of working with the hybrid and battery electric technology today and in the future as the demand for skilled HEV/BEV mechanics only increases.

Units:

- ▶ **AURETH101** Depower and reinitialise battery electric vehicles
- ▶ **AURETH002** Service and maintain battery electric vehicles
- ▶ **AURETH103** Diagnose and repair high voltage rechargeable energy storage systems in battery electric vehicles
- ▶ **AURETH107** Diagnose and repair system instrumentation and safety interlocks in battery electric vehicles
- ▶ **AURETH110** Diagnose and repair high voltage rechargeable energy storage systems in hybrid electric vehicles
- ▶ **AURETH011** Depower and reinitialise hybrid electric vehicles
- ▶ **AURETH012** Service and maintain electrical components in hybrid electric vehicles

All candidates that participate in this course need to demonstrate competency in:

- ▶ Safe work practices
- ▶ Diagnose and repair high voltage rechargeable energy storage systems in battery electric vehicles.
- ▶ Diagnose and repair auxiliary motors and associated components in battery electric vehicles
- ▶ Diagnose and repair high voltage rechargeable energy storage systems in battery electric vehicles
- ▶ Service and maintain electrical components in hybrid electric vehicles
- ▶ General principles of operation of HV and LV electrical systems relevant to BEVs
- ▶ Electrical safety relevant to HEV and BEV
- ▶ Components of LV and HV HEVs and their functions
- ▶ Principles of electricity, including AC and DC
- ▶ Vehicle-specific electrical requirements
- ▶ Workplace policies and procedures, including quality, recording and reporting procedures relating to deactivating and reinitialising HEV power supplies in the automotive workplace
- ▶ Applicable Commonwealth, state or territory legislation, regulations, standards and codes of practice

Course Costs: \$1250 MTA members | \$1500 Non-members

Time/Date: 8.30am - 4.30pm. See website for upcoming dates.

Delivery Mode: Course comprising 50% theory and 50% practical activities with written and skills assessments.

Course Location: MTA Training & Employment Centre, 3 Frederick Road, Royal Park SA 5014