



WORKSHOP SESSIONS 2024-2025

Session 1: EV, Hybrids and Gas: How electricity and the ECU Control Process:

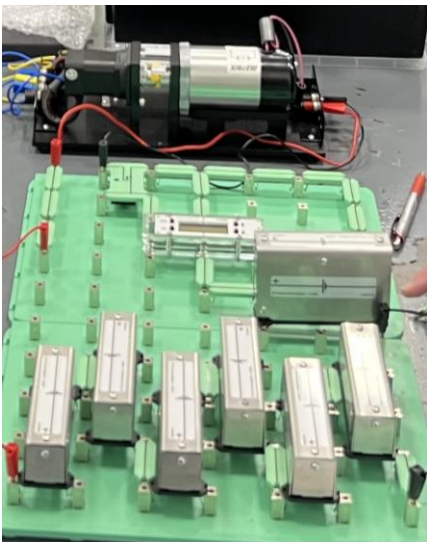
The ECU session can be a 90 or 180 minute training seminar as presented at the National ASE conference in MN 2024. This is a hands-on training session that will use a unique PIC micro-controller as an ECU. Instructors learn by building a fully functioning ECU with inputs, a relay and a transistor output and carry out a set of activities and learning modules that reflect both EV and gasoline powered vehicles.

Session 2: Fault finding in ICE, Hybrids and EV cross-pollinate your student skillset:

This is a hands-on training session that will use the same basic teaching platform from session 1 but will focus on the basics of fault finding as it applies to all vehicles. Troubleshooting techniques using DMM, inductive milliamp meters and continuity testers are the tools that will be used to show how to critically think for finding faults in modern vehicles.

Session 2: High Voltage Batteries Training:

This is a hands-on training session utilizing a unique three board panel with OEM (Tesla-Samsung) batteries in a safe and protective enclosure. During the seminar you will build different circuits to understand EV and HV batteries, control systems, safety and eventually build a brushless DC traction motor. Oscilloscope and Class III meter are part of the session equipment.



MEGATECH