



Electric Vehicle High Voltage Technician Level 2 Refresher and Recertification

Level 2 | Course information sheet

Annual refresher 6 hours online | Third-year recertification 2 days in person

Course overview

This course refreshes the electrical hazards of high-voltage vehicle systems and components, including lithium-ion battery chemical and fire hazards. It reviews electrical safe work practices, test equipment, new vehicle technology, and changes in relevant standards and industry practice.

Who should attend

Personnel who have completed ElecTrain Level 2 certification and need continuing training or a practical reassessment of their Level 2 skills.

Learning outcomes

- Review electrical safe work practices and evaluate hazards and controls for high-voltage vehicle tasks.
- Discuss changes in test equipment, vehicle technology, and relevant standards and industry practice.
- Review high-voltage components, battery systems, HVIL, isolation, and test equipment selection.
- For the in-person session, demonstrate isolation, absence-of-voltage verification, and recommissioning through assessed practical work.
- Distinguish documentation of annual refresher training from ElecTrain recertification after the third-year assessments.

Topics covered

Electrical safe work practices; task risk assessment; PPE and test equipment; new vehicle technology; updated practices and standards; isolation; live-dead-live verification; recommissioning; relevant incidents and customer procedures.

Refresher periodicity

ElecTrain recommends a six-hour online refresher each year and a two-day in-person recertification every third year. This is ElecTrain's program schedule, not an NFPA 70E retraining requirement for automotive vehicle work.

Completion and scope

The annual six-hour online session has no exam and documents refresher training. The two-day in-person session includes a written examination and practical performance assessment; successful participants receive ElecTrain Level 2 recertification. Neither session qualifies participants to work on live voltages. Employers determine task-specific authorization.

Request this course

Contact ElecTrain at info@electrain.com or 509-396-3008 to request an annual online session or schedule in-person recertification.