

Print Date: 7/14/14
Course Objectives/Course Outline
Spokane Community College

Course Title: Safety Procedures for Hybrids

Prefix and Course Number: AUTO 230

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Discuss the safety procedures used when working on hybrid vehicles.
- Perform test procedures.
- List the advantages and disadvantages of a battery operated electric vehicle.
- Use high-voltage safety equipment.

Course Outline:

- I. First Responder and Safety Procedures
 - A. Objectives/Key Terms
 - B. High-Voltage Safety Equipment
 - C. First Responder Procedures
 - D. Electric Shock Potential
 - E. Vehicles Fire
 - F. Submerged or Partially Submerged Vehicle
 - G. Preventing Current Flow through High-Voltage Cables
 - H. Emergency Response
 - I. Collision and Repair Industry Issues
 - J. Moving and Towing a Hybrid
 - K. Insulation Tester
 - L. HV Glove Use Step-By Step
- II. The Basics of a Battery-Operated Electric Vehicle
 - A. Introduction
 - B. Advantages
 - C. Disadvantages
 - D. Major Parts
 - E. Battery Charging
 - F. Accessories
 - G. HVAC
 - H. Driving an EV
 - I. Basic Diagnosis
 - J. Building or Converting