



Southern California Regional Transit Training Consortium

COURSE NAME: **Advanced Electrical Systems on Transit**

Course Item Number: **SC-EL-1600-II**

Prerequisites: DVOM Course, (preferred) or thorough understanding of meters or an equivalent experience. Electrical I course completion or an equivalent experience.

Course Description: The class is designed to improve technicians' electrical skills and circuit diagnosis on Computerized Engine Management Systems for alternate fueled vehicles. Students will be working with a Digital Volt Ohm Meter (DVOM), in real circuit conditions. A modern technician needs a thorough understanding of Advanced Electrical Systems to properly maintain an alternate fueled vehicle. Course includes both lecture and lab experiences.

Course Benefits: The benefit of this course is designed to provide real world lab experiences for advanced electrical circuits, symbol understanding, schematic reading and circuit troubleshooting. Students will gain knowledge about circuit construction, voltage drop techniques and problem solving skills needed for computer controlled circuits.

Who Should Attend: This course is intended for the supervisors, technicians who need intermediate electrical and introduction to electronics for alternate fueled vehicles.

What you will learn:

- Advanced use of DVOM meters in troubleshooting electrical circuits
- Symbol designation
- Schematic symbol reading
- Voltage drop techniques
- Electric circuit problem solving
- Actuator and Sensor circuits
- Circuit component analysis
- Switch diagnosis techniques

Course Times: 7:00am - 3:30pm each day. (SUBJECT TO CHANGE – CHECK REGISTRATION)

Number of Hours/Days: 16 Hours over 2-Days

Continuing Education Units (CEU): 0

Register **today** to reserve a spot
www.scrttc.com