AD12-104 : Automotive Physical Science Principles: Electrical Fundamentals

Upon completion of this course, students will have learned to diagnose and service electrical circuits, batteries and starting/charging systems through physical science education using quantitative principles in electricity. Topics rooted in natural and physical sciences include but are not limited to Ohm's law, Watt's law, operations and properties of electrical circuits and components, magnetism/electromagnetism, and battery chemistry.

Lab 39.34 Lec 36.66 Ext 0.00 Sem 3.50 TWC Sem 3.00 Total 76.00

Catalog

UTI Tech II

Recommended

AD12-101, AD12-102*, AD12-103 (* for Non-EV Programs)

Equipment

Digital multimeters, charging and starting system testers, and electrical system simulators

Campus

Avondale, AZ
Rancho Cucamonga, CA
Sacramento, CA
Austin, TX
Bloomfield, NJ
Dallas, TX
Long Beach, CA
Miramar, FL
Orlando, FL