

AMT 141 : Electrical/Electronic Systems I

Credits: 5

Class Hours: 10 lecture/lab

Prerequisites: "C" or higher in AMT 100.

Description: This course will provide students with fundamental principles of automotive electricity and electronics. Practical skills to diagnose, test, and service battery, starting, charging and lighting systems are covered. Testing and repair of electrical safety devices, wiring, connectors, and relays are also covered.

Semester Offered: Fall

Course Student Learning Outcomes (CSLOs):

1. Demonstrate the use of reference training materials, use appropriate tools, testing and measuring equipment to diagnose, test, inspect, and perform needed repair/service on electrical systems and components.
2. Demonstrate an understanding of personal and environmental safety practices and observe all industry standards of safety.
3. Demonstrate an understanding of applicable theories of operation and fundamental principles of electrical systems.