

AMT 241 : Electrical/Electronic Systems II

Credits: 4

Class Hours: 8 lecture/lab

Prerequisites: "C" or higher in AMT 141.

Description: This course covers essential theories and practical skills in diagnosing electronic control systems, networking, and repairing automotive accessory circuits such as power windows, power door locks, power antennas, power mirrors, audio systems, anti-theft systems, power seats, horns, blower fan, and wiper/washer. Also covered are conventional instrumentation, digital instrumentation, supplemental inflatable restraint (SRS), and high voltage systems.

Semester Offered: Spring

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 electronic control systems, networking and components.
2. Demonstrate an understanding of applicable theories of operation and principles of electronic control systems.
3. Demonstrate an understanding of personal and environmental safety practices and observe all industry standards of safety.