

# ILT 160: DC Fundamentals

This course is designed to provide students with a working knowledge of basic direct current (DC) electrical principals. Topics include safety, basic atomic structure and theory, magnetism, conductors, insulators, use of Ohm's law to solve voltage, current, and resistance, electrical sources, power, inductors, and capacitors. Students will perform lockout/tagout procedures, troubleshoot circuits and analyze series, parallel, and combination DC Circuits using the electrical laws and basic testing equipment to determine unknown electrical quantities. As needed.

**Credits:** 3

**Transfer Code:** Code C

**Lab Hours:** 4

**Lecture Hours:** 1

**Program:** Industrial Electronic Technology

**Semester Offered:**

Fall

Spring

Summer