

ILT 106: Concepts of Direct Current

This course provides an advanced study of direct current (DC) concepts and application principles. Specific topics include safety, terms and symbols, electrical theory, Ohm's law, power law, electrical measurement, DC electrical components, series, parallel, and series-parallel circuit construction. Students gain hands-on experience through various laboratory problems. Emphasis is placed on the use of scientific calculators, reading schematics, and the operation of common test equipment used to analyze and troubleshoot DC circuits and to prove the theories taught during classroom instruction. This course may serve as a substitute core for DC Fundamentals.

Credits: 5

Transfer Code: Code C

Lab Hours: 4

Lecture Hours: 3

Prerequisites:

As required by program

Program: [Industrial Electronic Technology](#)