

INT 101: DC Fundamentals

NOTE: There is an approved standardized plan-of-instruction for this course. This course provides an in depth study of direct current(DC) electronic theory. Topics include atomic theory, magnetism, properties of conductors and insulators, and characteristics of series, parallel, and series-parallel circuits. Inductors and capacitors are introduced and their effects on DC circuits are examined. Students are prepared to analyze complex DC circuits, solve for unknown circuit variables and to use basic electronic test equipment. This course also provides hands on laboratory exercises to analyze, construct, test, and troubleshoot DC circuits. Emphasis is placed on the use of scientific calculator and the operation of common test equipment used to analyze and trouble shoot DC and to prove the theories taught during classroom instruction. This is a CORE course.

Credits: 3

Lab Hours: 1

Lecture Hours: 2

Prerequisites:

As required by college.

Program: Industrial Maintenance Technology