

INT 103: AC Fundamentals

This course provides a study of the theory of alternating current (AC). Students are prepared to analyze complex AC circuit configurations with resistor, capacitors, and inductors in series and parallel combinations. Upon completion, students should be able to describe AC circuits and explain the function of A. C. such as RLC, impedance, phase relationships and power factor. This course also provides hands on laboratory exercises to analyze alternating current using a variety of circuit configurations with resistors, capacitors, and inductors in series and parallel combinations. Emphasis is placed on the operation of common test equipment used to analyze and troubleshoot AC circuits to prove the theories taught. Supports CIP Codes: 15.0303, 47.0105, 46.0302, and 47.0609. This course is also taught as ETC 102, EET 104, ILT 161, ELT 109.

Credits: 3

Prerequisites:

As required by program.

Program: [Industrial Maintenance Technology](#)