



Course Outline

mitted to an approved apprenticeship program.

Course Description

This course covers basic AC/DC circuit principles and practices. Students will explore areas of electrical and electronic circuits including: circuit theory, components, circuit construction and analysis, proper test equipment usage, troubleshooting methodology, and applications in various technical fields.

Objectives

Upon completion of this course, students will understand the basics of electrical safety, basic electrical schematics, basic theories of AC/DC electricity, the basic uses of Digital Multimeters, Ohm's Law, Series circuits, parallel circuits, Series/Parallel circuits, and the theory of Alternating Current.

Linkage to WNC's Institutional Learning Outcomes

The course objectives relate to Student Learning Outcome 7, Career Preparation: Identify, describe, and apply

