

ILT 164: Circuit Fabrication I

This course provides instruction in fabrication of functional circuits and is an introduction to device construction and fabrication. Utilizing discrete components, students will fabricate functional circuits. Topics include soldering, cable construction, coaxial cable connection and termination, component mounting, cases, and chassis, printed circuit board design, layout, fabrication, and repair, as well as soldering techniques, care of tools, wire splicing, wire wrapping, connector maintenance, and related shop safety. Upon completion, students should be able to perform basic circuit and project construction.

Credits: 1

Transfer Code: Code C

Lab Hours: 2

Lecture Hours: 0

Prerequisites:

As determined by college

Program: Industrial Electronic Technology

Semester Offered:

Fall

Spring

Summer