

AUT 186: Principles of Industrial Maintenance Welding and Metal Cutting Techniques

This course provides instruction in the fundamentals of acetylene cutting and the basics of welding needed for the maintenance and repair of industrial production equipment. Topics include oxy-fuel safety, choice of cutting equipment, proper cutting angles, equipment setup, cutting plate and pipe, hand tools, types of metal welding machines, rod and welding joints, and common welding passes and beads. Upon course completion, students will demonstrate the ability to perform metal welding and cutting techniques necessary for repairing and maintaining industrial equipment.

Credits: 3

Transfer Code: Code C

Lab Hours: 2

Lecture Hours: 1

Prerequisites:

As required by college

Program: Mechatronics, Electronics & Robotics

Semester Offered:

Fall

Spring

Summer