



Location: Signal Peak Campus

Certificate: Fundamentals of Structural Welding

CONTACT: itst.advisor@centralaz.edu

Program Description: The Fundamentals of Structural Welding Certificate provides students with an introduction to the structural welding industry. Students are taught Flux Cored Arc Welding and structural fabrication with gas-shielded and self-shielded wires. They have the opportunity to certify to AWS D1.1 Structural Steel welding code in course WLD230. Introduction to other welding and cutting processes is provided with WLD110. Students get a broad overview of metallurgy in WLD118. This certificate is one semester long and leads into our first year certificate.

Use this Program Map as a guide to choose courses with your advisor and track progress toward milestones and completion of program. Work with an advisor to customize your plan to align with your specific career and/or transfer goals.

Recommended Proficiencies: High School welding or agriculture program.

SEMESTER BY SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS

Plans can be modified to fit the needs of part-time students by adding more semesters

Table with 4 columns: Semester 1—FALL ONLY, Credit Hours, and two empty columns for Semester 2. Rows include WLD110, WLD118, WLD130, WLD230, and Semester Credits: 16.

Total Program Hours: 16

Total program cost, including tuition, books and fees is approximately \$2,700. Financial aid may be available.

CAREER INFORMATION

A typical graduate seeks employment in mining, steel fabrication, steel erection, and manufacturing industries. This certificate may assist students in becoming a welder’s assistant, but students are strongly encouraged to continue with the Welding program in order to find better paying, more secure employment.

As part of Central Arizona College’s TRUE Learning Community, our Career & Transfer Center supports students in achieving their goals through career development and/or transfer to a four-year institution.