

The certificate of proficiency and the technical certificate programs give the student the opportunity to earn certificates while completing steps toward an Associate of Applied Science degree.

2025-2026



CERTIFICATE OF PROFICIENCY PLAN

WELDING

Degree Code: 4905; CIP Code: 48.0508

A Certificate of Proficiency may be awarded to students who have demonstrated mastery of skills and knowledge against specified performance standards in a specific area or discipline.

To earn a Certificate of Proficiency in Welding, students must complete the courses below with a grade of "C" or better.

ATTENTION STUDENTS: PLEASE SEE CURRENT CATALOG FOR ALL FEES AND CHARGES ASSOCIATED WITH THIS CERTIFICATE.

The program of study can be a stand-alone program or part of a technical certificate or associate degree curriculum and is designed to enhance a person's skill set to make him/her more productive and marketable.

Student Learning Outcomes for CP Welding Program

1. Demonstrate safe and proper use of welding, cutting and grinding equipment.
2. Identify and select suitable welding consumable materials and set up and operate welding equipment in such a manner as to produce a quality weld in accordance with established industry standards.
3. Identify the cause of various weld defects including slag inclusions, porosity, undercut and cracking.

Name: _____
Advisor: _____

Date: _____
Student ID# _____

COURSE CODE COURSE NAME

CREDIT HOURS

HOURS COMPLETED

Welding Content (12 credit hours)

WELD	1024	Shielded Metal Arc Welding (SMAW) (must earn a "C" or better)
WELD	1204	Gas Metal Arc Welding (MIG) (must earn a "C" or better)
WELD	1404	Gas Tungsten Welding (TIG) (must earn a "C" or better)

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Program Total 12 Hours