

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.

2026-2027



**CERTIFICATE OF PROFICIENCY PLAN
PRODUCTION WELDING**

Degree Code: 4714; 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 Production 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.**

This program of study can be a stand-alone program or part of a technical certificate or associate degree curriculum and is designed for those wanting a career in boat manufacturing or other aluminum welding industries. This program fulfills the 144 hours of related technical instruction required for the ASUMH Department of Labor registered apprenticeship in welding.

Program Learning Outcomes for CP Production 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. Read and interpret fabrication blueprints to create layouts to specifications.

Name: _____
Advisor: _____

Date: _____
Student ID# _____

COURSE CODE COURSE NAME

CREDIT
HOURS

HOURS
COMPLETED

Applied Technology Content (2 credit hours)

WELD	21072	Blueprints and Layouts	2	_____
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Welding Content (16 credit hours)

WELD	12004	Gas Metal Arc Welding (MIG) (must earn a "C" or better)	4	_____
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WELD	12344	Intermediate Gas Metal Arc Welding (MIG) (must earn a "C" or better)	4	_____
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WELD	14004	Gas Tungsten Welding (TIG) (must earn a "C" or better)	4	_____
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WELD	14304	Intermediate Gas Tungsten Welding (TIG) (must earn a "C" or better)	4	_____
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Program Total 18 Hours