Welding, AAS, CC

Department: School of Applied Sciences, Technology and Education
College: College of Agriculture and Applied Sciences

Overview

About This Degree

Welding students have two degree options in which to choose:

Students can obtain a one year Certificate of Completion in Welding Technology in preparation to enter the job market as a skilled welder. Proficient students are able to obtain welder certifications for SMAW, GMAW, FCAW, and GTAW to AWS code requirements.

The second option is to pursue an Associate of Applied Science degree in Welding Technology.

Career Options

Students who complete the Welding program are prepared to work as a Welder in the following:

- Manufacturing
- Construction
- Mining
- Sales
- Welding Inspection

What it takes

Admissions Requirements

1. New freshman admitted to CEU in good standing qualify for admission to this program.
2. Transfer students from other institutions need a 2.5 GPA for admission to this major.
3. Students transferring from other CEU majors need a total GPA of 2.5 for admission to this major.
4. No welding courses below a C may be applied toward meeting graduation requirements.
5. Visual acuity requirements: 20/40 vision and Jaeger J-2 at 12 inches, with or without corrective lenses. If corrective lenses are required to attain this level of visual acuity, the corrective lenses must be worn during class periods.

Major Requirements

Click here to see course requirements for the **Associate of Applied Science**.

Click here to see course requirements for the **Certificate of Completion**.

Certificate of Completion - One Year Program

Course	Credit	Course	Credit
ENGL 1010	3	Human Relations Course	3

MATH 1020 or higher 3

Welding Courses - 23 Hours Required

Listed below are suggested courses to fill the welding requirement for a one year period. Consult with your advisor for additional courses.

Course	Credit	Course	Credit
WELD 1100	7	WELD 2400	3
WELD 1110	3	WELD 2500	3
WELD 1120	7	WELD 2600	3
	Program Total	**32**	

Associate of Applied Science -Two Year Program

Course	Description	Credit
EDDT 1040	CAD Level I: Intro to CAD	3
ENGL 1010	Introduction to Writing	3
MACH 1010	Machine Tool Technology I	3
MATH 1020	Trade Mathematics -or- A higher numbered mathematics course	3
	Human Relations Course	3
WELD 1100	Shielded Metal Arc Welding (SMAW)	7
WELD 1110	Advanced Shielded Metal Arc Welding (SMAW)	3
WELD 1120	Beginning Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW)	7
WELD 1130	Advanced Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW)	3
WELD 1140	Related Welding Processes	7
WELD 1150	Beginning Gas Tungsten Arc Welding (GTAW)	7
WELD 2400	Print Reading for Welders	3
WELD 2410	Practical Fabrication and Layout	3
WELD 2500	Welding Inspection	3
WELD 2600	Metallurgy	3
	General Electives	3*
Suggested Electives		
PHYS 1010	Elementary Physics	3
CHEM 1010	Introduction to Chemistry	3
ENGN 1000	Introduction to Engineering	2
PHYS 1040	Elementary Astronomy	3
PHYS 1050	Technical Physics	3
EDDT 2650	Mechanical Blueprint Reading	2
	Program Total	**64**

Contact

Advising

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Get Involved