

Welding Technician

Credential Awarded	Diploma
Contact Hours	960
Program Quarter Credits	64
Instructional Weeks	48
Total Clock Hours	including Out-of-Class Work Hours: 960
Mode of Delivery	Residential

Objective

Welding technology is widely used in a variety of modern industries, including but not limited to infrastructure construction, high-rise building construction, shipbuilding, and energy and transportation. The objective of the Welding Technology program is to prepare students to seek entry-level employment or advance their careers in welding and industrial repairs.

Description

Welding encompasses study in electrical, metallurgy, chemistry, physics, design, and mechanical engineering. Welders may work on various structures, including but not limited to bridges, buildings, pressure vessels, and heat exchangers. This would include welding items such as nuclear systems, boilers, storage vessels, transmission and transportation vehicles for water, land, air, and space travel, and production and processing machines of all types. The curriculum provides students with a foundation in welding techniques, skills, welding mathematics, and career development. The successful graduate is trained to enter the welding profession as an entry-level welder.

Credentialing Opportunities

The Welding Technician program prepares students to take welding certification exams.

Career Opportunities

The graduate is prepared to seek entry-level employment in positions such as Aluminum Welder, Brazer, Fabrication Welder, Fabricator, Fitter/Welder, Maintenance Welder, Mig Welder, Solderer, Arc Operator, Welder, and Welder Fitter/Fabricator.

Graduation Requirements

To be eligible for graduation, students must have

1. Accumulated, with passing grades, the required number of credit hours within the student’s program of study by the last day of the graduating term or within the timeframe prescribed in the incomplete grade policy.
2. Achieved a Cumulative Grade Point Average (CGPA) of at least 2.0
3. Completed the program within 1.5 times the program’s length as published in the Standards of Satisfactory Academic Progress policy in this catalog
4. Verified satisfactory completion of all program criteria for graduation with the Dean of Education/Associate Campus Director, Registrar, Financial Aid, and Career Services
5. Return any school property, including books and equipment, when applicable
6. The student has made satisfactory arrangements with the Business Office to meet all financial obligations to the School.

Plan of Study

Course Code	Name	Clock Hours	Credits
SKW101	INTRODUCTION TO THE SKILLED PROFESSIONS	60	4
MAT110	APPLIED MATHEMATICS	60	4
WLD101	PRINCIPLES OF WELDING TECHNOLOGY	60	4
WLD105	WELDING SYMBOL INTERPRETATION AND INSPECTION	60	4
WLD110	CUTTING PROCESSES	60	4
WLD115	SHIELDED METAL ARC- WELDING	60	4
WLD120	SHIELDED METAL ARC-WELDING FIT AND ALIGNMENT	60	4
WLD125	GAS METAL ARC-WELDING	60	4
WLD130	GAS METAL ARC-WELDING FIT AND ALIGNMENT	60	4
WLD135	FLUX CORE ARC-WELDING	60	4
WLD140	FLUX CORE ARC-WELDING APPLICATIONS	60	4
WLD145	GAS TUNGSTEN ARC-WELDING	60	4
WLD150	GAS TUNGSTEN ARC-WELDING APPLICATIONS	60	4
WLD155	PIPE WELDING TECHNIQUES	60	4
WLD160	WELDING FABRICATION CONCEPTS	60	4
WLD165	WELDING CERTIFICATION AND CAREER DEVELOPMENT	60	4

Schedule

Morning: 8:00 A.M. – 1:00 P.M. Monday through Thursday

Afternoon: 2:00 P.M. – 7:00 P.M Monday through Thursday

Hours are subject to change. If class falls on a holiday or the school is closed due to inclement weather a make-up day will be held usually on the following Friday to ensure all contact hours are met within each course of the program