

Welding Technology, Certificate

The purpose of this program is to prepare students for employment in the Welding industry as plate and/or pipe welders. Certification is encouraged and performed in accordance with American Welding Society and D1.1 Structural Steel Welding Code.

The program includes a wide variety of welding experiences for plate and pipe welders. Students can exit the program after two semesters with a certificate in plate welding or complete both plate and pipe welding as listed below and receive a program certificate as a combination welder. NOTE: At various points during the program, students who qualify, may test for a variety of AWS Certifications. Students must purchase their own books and tools. Admission is conditional and depends on the student's ability to perform the essential functions identified for this program.

A high school diploma or GED® is not required; however, students are required to demonstrate college and career readiness. (See Admission to Courses Not Creditable Toward an Associate Degree in the Admissions Policies and Procedures section of this catalog.) Reasonable accommodations are considered.

NOTE: Students enrolled in the Welding Technology program are strongly encouraged to take third party industry recognized credentialing tests as part of the program requirements. Credentialing tests will be conducted onsite and students will be responsible for the fees associated with the credentialing tests.

Program: [Welding Technology](#)

Type: Certificate

Area I: Written Composition

Item #	Title	Credits
	COM 103 or ENG 101	3

Area II: Humanities and Fine Arts

Item #	Title	Credits
	SPC 103 OR SPH 106 OR SPH 107	3

Area III: Natural Sciences and Mathematics

Item #	Title	Credits
	MAH 101 or MTH 116	3

Area V: Career and Technical Courses

Item #	Title	Credits
	ORT 100 OR ORI 101	1
	DPT 103 or CIS 146	3
WDT 107	Smaw Fillet/OFC/PAC/CAC	3
WDT 110	Industrial Blueprint Reading	3
WDT 115	GTAW Carbon Pipe	3
WDT 119	Gas Metal Arc/Flux Cored Arc Welding	3
WDT 120	Shielded Metal Arc Welding Groove	3
WDT 122	Smaw Fillet/OFC Lab	3
WDT 123	Smaw Fillet/PAC/CAC/Lab	3
WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab	3
WDT 125	Shielded Metal Arc Welding Groove Lab	3
WDT 155	GTAW Carbon Pipe Lab	3
WDT 157	Consumable Welding Processes	3
WDT 217	SMAW Carbon Pipe	3
WDT 257	SMAW Carbon Pipe Lab	3
WDT 228	Gas Tungsten Arc Welding	3
WDT 268	Gas Tungsten Arc Welding Lab	3
	Total credits:	58

Course Sequencing

Welding Technology Certificate Suggested Course Sequence First Semester

Item #	Title	Credits
COM 103	Introductory Technical English II	3
	ORT 100 OR ORI 101	1
WDT 107	Smaw Fillet/OFC/PAC/CAC	3
WDT 122	Smaw Fillet/OFC Lab	3
WDT 123	Smaw Fillet/PAC/CAC/Lab	3

Welding Technology Certificate Suggested Course Sequence Second Semester

Item #	Title	Credits
	MAH 101 or MTH 116	3
WDT 119	Gas Metal Arc/Flux Cored Arc Welding	3
WDT 120	Shielded Metal Arc Welding Groove	3
WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab	3
WDT 125	Shielded Metal Arc Welding Groove Lab	3

Welding Technology Certificate Suggested Course Sequence Third Semester

Item #	Title	Credits
	SPC 103 OR SPH 106 OR SPH 107	3
WDT 217	SMAW Carbon Pipe	3
WDT 257	SMAW Carbon Pipe Lab	3
WDT 228	Gas Tungsten Arc Welding	3
WDT 268	Gas Tungsten Arc Welding Lab	3

Welding Technology Certificate Suggested Course Sequence Fourth Semester

Item #	Title	Credits
	DPT 103 or CIS 146	3
WDT 110	Industrial Blueprint Reading	3
WDT 115	GTAW Carbon Pipe	3
WDT 155	GTAW Carbon Pipe Lab	3
WDT 157	Consumable Welding Processes	3