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Welding Technology - CERT C

Semester-by-Semester Pathway

A Certificate is outlined coursework that is designed to prepare a student to head out into the workforce in a short timeframe or for career advancement. This certificate totals 48 credit hours. Consult with an advisor for more information. Not all courses are offered each semester.

( ) are Systemwide Transfer Courses

(★) are recommended for this degree pathway.

Semester 1 - Fall				
Complete	**Course ID**	**Course Title**	**Credit Hours**	**Notes**
Required Courses				
	WE102	Welding Blueprint Reading	3.00	Fall 2026, Spring 2027
	WE104	Shielded Metal Arc Welding	3.00	Fall 2026, Spring 2027
	WE106	Cutting Processes for Welding	2.00	Fall 2026
	WE110	Gas Metal Arc Welding	3.00	Fall 2026, Spring 2027
	WE112	Gas Tungsten Arc Welding	3.00	Fall 2026, Spring 2027
	WE115	Welding Layout and Calculations	2.00	Fall 2026, Spring 2027
Electives				
	Welding Safety Options		1.00	
		Semester Total:	**17.00**	

Semester 2 - Spring				
Complete	**Course ID**	**Course Title**	**Credit Hours**	**Notes**
Required Courses				
	WE105	Shielded Metal Arc Welding II	3.00	Fall 2026, Spring 2027 Prereq: WE104 SMAW w/Grade of C or Higher, or Departmental Consent.
	WE111	Gas Metal Arc Welding II	3.00	Fall 2026, Spring 2027 Prereq: WE110 Gas Metal Arc Welding w/Grade of C or Higher.
	WE113	Gas Tungsten Arc Welding II	3.00	Spring 2027 Prereq: WE112 GTAW w/Grade of C or Higher.
	WE117	Welding Inspection and Qualification I	2.00	Fall 2026, Spring 2027
	WE128	Welding Metallurgy	2.00	Fall 2026, Spring 2027
Electives				
	Welding Options Certificate C		2.00	
		Semester Total:	**15.00**	

Semester 3 - Fall				
Complete	**Course ID**	**Course Title**	**Credit Hours**	**Notes**
Required Courses				

	WE209	Welding Fabrication Processes	4.00	Fall 2026 Prereq: Departmental Consent.
	WE217	Gas Tungsten Arc Welding III	4.00	Spring 2027 Prereq: WE112 GTAW w/Grade of C or Higher, or Departmental Consent, and WE113 GTAW II w/Grade of C or Higher.
	WE218	Shielded Metal Arc Welding III	4.00	Fall 2026 Prereq: WE104 SMAW w/Grade of C or Higher, or Departmental Consent, and WE105 SMAW II with a Grade of C or Higher.
	WE220	Welding Inspection and Qualification II	4.00	Spring 2027 Prereq: WE217 Gas Tungsten Arc Welding III, and WE218 Shielded Metal Arc Welding III.
Electives				
		Semester Total:	**16.00**	

Total Credits: 48.00

*Semester offerings reflect the current academic year.

Welding Options Certificate C			
Course ID	**Course Title**	**Credit Hours**	**Notes**
★ WE116	Flux Cored Arc Welding	2.00	Spring 2027 Prereq: WE110 Gas Metal Arc Welding w/Grade of C or Higher, or Departmental Consent, and WE111 Gas Metal Arc Welding II w/Grade of C or Higher.
WE118	Industrial Robotic Welding	2.00	Spring 2027 Prereq: WE110 Gas Metal Arc Welding, or Departmental Consent.

Welding Safety Options			
Course ID	**Course Title**	**Credit Hours**	**Notes**
★ TR121	General Industrial Safety/OSHA10	1.00	Fall 2026
WE101	Welding Safety	1.00	Fall 2026

Program Notes:

Semester offerings are based on location. Consult an advisor for more information.