www.hutchcc.edu/request-info

Welding Technology

Degree 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.

( ) are Systemwide Transfer Courses

(★) are recommended for this degree pathway.

Required Courses			
Course ID	**Course Title**	**Credit Hours**	**Notes**
WE102	Welding Blueprint Reading	3.00	Fall 2026, Spring 2027
WE104	Shielded Metal Arc Welding	3.00	Fall 2026, Spring 2027
WE105	Shielded Metal Arc Welding II	3.00	Fall 2026, Spring 2027 Prereq: WE104 SMAW w/Grade of C or Higher, or Departmental Consent.
WE106	Cutting Processes for Welding	2.00	Fall 2026
WE110	Gas Metal Arc Welding	3.00	Fall 2026, Spring 2027
WE111	Gas Metal Arc Welding II	3.00	Fall 2026, Spring 2027 Prereq: WE110 Gas Metal Arc Welding w/Grade of C or Higher.
WE112	Gas Tungsten Arc Welding	3.00	Fall 2026, Spring 2027
WE113	Gas Tungsten Arc Welding II	3.00	Spring 2027 Prereq: WE112 GTAW w/Grade of C or Higher.
WE115	Welding Layout and Calculations	2.00	Fall 2026, Spring 2027
WE117	Welding Inspection and Qualification I	2.00	Fall 2026, Spring 2027
WE128	Welding Metallurgy	2.00	Fall 2026, Spring 2027
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			
Course ID	**Course Title**	**Credit Hours**	**Notes**
Welding Options Certificate C		**2.00**	
★ 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		**1.00**	
★ TR121	General Industrial Safety/OSHA10	1.00	Fall 2026
WE101	Welding Safety	1.00	Fall 2026

Total Credits: 48.00

Program Notes:

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