

Welding Engineering Technology, Certificate III

School of Technology

The Welding Engineering Technology III Certificate provides students with an overview of basic safety, print reading and the fundamentals of welding. By combining classroom theory and practical experience, students will develop the skills needed to supplement an entry-level job in manufacturing or maintenance. Welding courses include practice for welding certifications offered in house by our AWS Accredited Testing Facility. Those planning careers in welding need manual dexterity, good hand- eye coordination and good eyesight. They should have the ability to concentrate on detailed work for long periods and be physically able to bend, stoop and work in awkward positions, as well as possess good problem-solving aptitude, shop math skills and exhibit a strong work ethic.

Career Opportunities

The Welding Engineering Technology III Certificate is a good primer for students seeking an entry-level job in manufacturing. This certificate also serves well for those already working, seeking to supplement their career with a basic knowledge of welding, safety, and print reading.

Program Learning Outcomes

Upon successfully completing this program, students will be able to:

- Successfully weld SMAW, GMAW and GTAW in the flat position, on various materials, with or without joint preparation.
- Read, interpret and create blueprints.
- Communicate technical information effectively.
- Identify plant equipment, and potential problems of plant equipment.

Sugg. Term	Seq #	Course ID	Course Title	Cr	Term Offered	Prereq(s)	Options Available
Fall	1	PDV 101	First Year Seminar	1	F, Sp, Su		
	2	MET 205	Welding Metallurgy II	3	F	MET 105	
	3	WEL 227	GTAW	4	F, Sp	WEL 125	
	4	WEL 222	Fundamentals of Aluminum	4	F, Sp, Su	WEL 125	
	5	MTH 108	Mathematics for Technologies I	4	F, Sp, Su	MTH 104 or Placement	
	6	ENG 161	College Writing	3	F, Sp, Su	ENG 085 or Placement	

Total Program Credits

19