

Welding Technology

Construction Technologies

Certificate of Achievement

Based on the American Welding Society Entry Level Welder Standards, the welding technology certificate of achievement program gives students the welding skills necessary to qualify for an entry-level position in a diversity of occupations that utilize welding from construction to manufacturing along with part of the general education skills that are strongly requested by commercial and industrial employers.

Certificate Outcomes

Students completing the certificate will:

- Be proficient in two major welding processes and prepared for industry-standard certification.
- Understand the basic concepts of technical drawings and apply print reading techniques required in the welding industry.
- Understand and consistently demonstrate safe and proper use of welding equipment, power tools, and accessories in the performance of welding and joinery.

General Education Requirements

Communications	3 credits
Human Relations	3 credits
Recommended: CE 201	
Quantitative Reasoning	3 credits
MATH 108 or higher	
Total General Education Requirements	9 Credits

Core Requirements

AIT 110	General Industrial Safety.....	1
WELD 211	Welding I.....	3
WELD 212	Welding I Practice	2
WELD 221	Welding II.....	3
WELD 222	Welding II Practice	2
Total Core Requirements		11 Credits

Elective Requirements

Choose 12 credits from the following:

MT 150	Material Science	3
MTT 101	Introduction to Machine Shop.....	3
WELD 101	Basic Metals	3
WELD 231	Welding III.....	3
WELD 232	Welding III Practice	2
WELD 241	Welding IV	3
WELD 242	Welding IV Practice	2
WELD 250	Welding Certification Preparation	1-12
Total Elective Requirements		12 Credits
Total Certificate Requirements		32 Credits

Suggested Course Sequence

First Year	Course #	Title	Credits
1st Semester			
Core	AIT 110	General Industrial Safety	1
Elective		Choose from list	6
Quantitative Reasoning	MATH 108	Math for Technicians	3
Core	WELD 211	Welding I	3
Core	WELD 212	Welding I Practice	2
Total			15
2nd Semester			
Human Relations	CE 201	Workplace Readiness	3
Elective		Choose from list	6
Communications	ENG 107	Technical Communications I	3
Core	WELD 221	Welding II	3
Core	WELD 222	Welding II Practice	2
Total			17
Certificate Total			32