

Welding Technology

Certificate

Guided Pathway/Map

NOTE: The Guided Pathway below contain all the coursework required for degree/certificate completion. However, courses may be offered or taken in other semesters as long as prerequisites are met. Courses may be available days, nights, hybrid, and online. *Please refer to your STARS guide or transfer institution for specific course requirements.

	Course #	Course Name	Sem. Hours
Semester 1	ORI 101/ ORT 100	Orientation to College OR Orientation for Career Students	1
	WDT 107	SMAW Fillet/OFC/PAC/CAC	3
	WDT 122	SMAW Fillet/OFC Lab	3
	WDT 123	SMAW Fillet/PAC/CAC Lab	3
	COM 103	Introductory Technical English II	3
			Semester Total:13
Semester 2	MAH 101 OR MTH 116	Introductory Mathematics I OR Mathematical Applications	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
		ELIGIBLE FOR STACKABLE STC WELDING TECHNOLOGIES ELIGIBLE FOR STACKABLE STC ARC WELDING TECHNOLOGIES	Semester Total: 15
Semester 3	SPC 103, SPH 106, OR SPH 107	Oral Communication Skills, Fundamentals of Oral Communication, OR Fundamentals of Public Speaking	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
			Semester Total: 15

Welding Technology

Certificate

Semester 4	DPT 103 OR CIS 146	Introductory Computer Skills II OR Microcomputer Applications	3
	WDT 110	Industrial Blueprint Reading	3
	WDT 115	GTAW Carbon Pipe	3
	WDT 155	GTAW Carbon Pipe Lab	3
	WDT 157	Consumable Welding Theory	3
		ELIGIBLE FOR CERTIFICATE WELDING TECHNOLOGY ELIGIBLE FOR STACKABLE STC ADVANCED MID WELDER	Semester Total: 15
		ELIGIBLE TO TAKE THE AWS STRUCTURAL WELDING CERTIFICATION TEST AND AWS PIPE WELDING CERTIFICATION TEST	Program Total: 58

Welding Technology

Short Certificate

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	Course #	Course Name	Sem. Hours
Semester 1	WDT 107	SMAW Fillet/OFC/PAC/CAC	3
	WDT 110	Industrial Blueprint Reading	3
	WDT 122	SMAW Fillet/OFC Lab	3
	WDT 123	SMAW Fillet/PAC/CAC Lab	3
			Semester Total:12
Semester 2	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
	WKO 106	Workplace Skills	3
		TOTAL HOURS FOR SHORT CERTIFICATE	Semester Total: 12 Certificate Total: 24

Advanced MIG Welding (Aluminum Concentration)

Short Certificate

Guided Pathway/Map

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	Course #	Course Name	Sem. Hours
Semester 1	WDT 115	GTAW Carbon Pipe	3
	WDT 119	Gas Metal Arc/Flux Cored Arc Welding	3
	WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab	3
	WDT 228	Gas Tungsten Arc Welding	3
			Semester Total:12
Semester 2	WDT 162	Consumable Welding Applications	3
	WDT 163	Consumable Welding Applications Lab	3
	WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab	3
	WDT 125	Shielded Metal Arc Welding Groove Lab	3
			Semester Total: 6
			Certificate Total: 18

ARC Welding Technology

Short Certificate

Guided Pathway/Map

NOTE: The Guided Pathway below contain all the coursework required for degree/certificate completion. However, courses may be offered or taken in other semesters as long as prerequisites are met. Courses may be available days, nights, hybrid, and online. *Please refer to your STARS guide or transfer institution for specific course requirements.

	Course #	Course Name	Sem. Hours
Semester 1	WDT 107	SMAW Fillet/OFC/PAC/CAC	3
	WDT 119	Gas Metal Arc/Flux Cored Arc Welding	3
	WDT 122	SMAW Fillet/OFC Lab	3
	WDT 123	SMAW Fillet/PAC/CAC Lab	3
			Semester Total:12
Semester 2	WDT 110	Industrial Blueprint Reading	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
		ELIGIBLE FOR STACKABLE STC BASIC WELDING FUNDAMENTALS ELIGIBLE FOR STACKABLE STC ARC WELDING TECHNOLOGIES Eligible for AWS Certification Test	Semester Total: 12 Certificate Total: 24

Advanced Pipe Welding (Stainless Steel Concentration) Short Certificate

Guided Pathway/Map

NOTE: The Guided Pathway below contain all the coursework required for degree/certificate completion. However, courses may be offered or taken in other semesters as long as prerequisites are met. Courses may be available days, nights, hybrid, and online. *Please refer to your STARS guide or transfer institution for specific course requirements.

	Course #	Course Name	Sem. Hours
Semester 1	WDT 115	GTAW Carbon Pipe	3
	WDT 116	GTAW Stainless Pipe	3
	WDT 155	GTAW Carbon Pipe Lab	3
	WDT 156	GTAW Stainless Pipe Lab	3
			Semester Total:12
Semester 2	WDT 157	Consumable Welding Processes	3
	WDT 158	Consumable Welding Processes Lab	3
			Semester Total: 6
			Certificate Total: 18

Basic Welding Fundamentals

Short Certificate

Guided Pathway/Map

NOTE: The Guided Pathway below contain all the coursework required for short term certificate in Basic Welding Fundamentals. However, courses may be offered or taken in other semesters as long as prerequisites are met. Courses may be available days, nights, hybrid, and online. *Please refer to your STARS guide or transfer institution for specific course requirements.

	Course #	Course Name	Sem. Hours
Semester 1	WDT 107	SMAW Fillet/OFC/PAC/CAC	3
	WDT 119	Gas Metal Arc/Flux Cored Arc Welding	3
	WDT 123	SMAW Fillet/PAC/CAC Lab	3
	WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab	3
		ELIGIBLE FOR STACKABLE STC BASIC WELDING FUNDAMENTALS	
			Certificate Total: 12