

# 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	Orientation to College	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
		ELIGIBLE FOR STACKABLE STC BASIC SHIELDED METAL ARC WELDING (SMAW)	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 BASIC GAS METAL ARC WELDING (MIG)	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
		ELIGIBLE FOR STACKABLE STC BASIC SMAC PIPE WELDING	Semester Total: 15

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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
	WKO 106	Workplace Skills	3
	WDT 286	CO-OP	1
		ELIGIBLE FOR STACKABLE STC BASIC GAS TUNGSTEN ARC WELDING (TIG)	Semester Total: 16
		ELIGIBLE TO TAKE THE AWS STRUCTURAL WELDING CERTIFICATION TEST AND AWS PIPE WELDING CERTIFICATION TEST	Program Total: 59

# WELDING TECHNOLOGY – SHORT CERTIFICATE

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	Course #	Course Name	Sem. Hours
Semester 1	WDT120	Shielded Metal Arc Welding Groove	3
	WDT122	SMAW Fillet/OFC Lab	3
	WDT110	Industrial Blueprint Reading	3
	WDT107	SMAW/Fillet/OFC/PAC/CAC	3
			Semester Total:12
Semester 2	WDT119	Gas Metal Arc/Flux Cored Arc Welding	3
	WDT124	Gas Metal Arc/Flux Cored Arc Welding Lab	3
	WDT123	SMAW Fillet/PAC/CAC/Lab	3
	WKO106	Workplace Skills	3
		<b>TOTAL HOURS FOR SHORT CERTIFICATE</b>	Semester Total: 12 Certificate Total: 24