

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
	COM 103	Introductory Technical English II	3
	WDT 107	SMAW Fillet/OFC/PAC/CAC	3
	WDT 122	SMAW Fillet/OFC Lab	3
	WDT 123	SMAW Fillet/PAC/CAC Lab	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/ SPH 107	Oral Communication Skills OR Fundamentals of Oral Communication, OR Fundamentals of Public Speaking	3
	WDT 217	SMAW Carbon Pipe	3
	WDT 228	Gas Tungsten Arc Welding	3
	WDT 257	SMAW Carbon Pipe Lab	3
	WDT 268	Gas Tungsten Arc Welding Lab	3
			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
	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

STC

Guided Pathway/Map

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

ADVANCED MIG WELDING (Aluminum Concentration)

STC

Guided Pathway/Map

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	Course #	Course Name	Sem. Hours
Semester 1	WDT115	GTAW Carbon Pipe	3
	WDT119	Gas Metal Arc/Flux Cored Arc Welding	3
	WDT124	Gas Metal Arc/Flux Cored Arc Welding Lab	3
	WDT228	Gas Tungsten Arc Welding	3
			Semester Total:12
Semester 2	WDT162	Consumable Welding Applications	3
	WDT163	Consumable Welding Applications Lab	3
			Semester Total: 6
			Certificate Total: 18

ADVANCED PIPE WELDING (Stainless Steel Concentration)

STC

Guided Pathway/Map

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	Course #	Course Name	Sem. Hours
Semester 1	WDT115	GTAW Carbon Pipe	3
	WDT116	GTAW Stainless Pipe	3
	WDT155	GTAW Carbon Pipe Lab	3
	WDT156	GTAW Stainless Pipe Lab	3
			Semester Total:12
Semester 2	WDT157	Consumable Welding Processes	3
	WDT158	Consumable Welding Processes Lab	3
			Semester Total: 6
			Certificate Total: 18

ARC Welding Technology

Short Certificate

Guided Pathway/Map

NOTE: The Guided Pathway below contains 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	WDT107	SMAW Fillet/OFC/PAC/CAC	3
	WDT119	Gas Metal Arc/Flux Cored Arc Welding	3
	WDT122	SMAW Fillet/OFC Lab	3
	WDT123	SMAW Fillet/PAC/CAC Lab	3
			Semester Total:12
Semester 2	WDT110	Industrial Blueprint Reading	3
	WDT120	Shielded Metal Arc Welding Groove	3
	WDT124	Gas Metal Arc/Flux Cored Arc Welding Lab	3
	WDT125	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

BASIC WELDING FUNDAMENTALS

STC

Guided Pathway/Map

NOTE: The Guided Pathway below contains all the coursework required for a 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	WDT107	SMAW Fillet/OFC/PAC/CAC	3
	WDT119	Gas Metal Arc/Flux Cored Arc Welding	3
	WDT123	SMAW Fillet/PAC/CAC Lab	3
	WDT124	Gas Metal Arc/Flux Cored Arc Welding Lab	3
		ELIGIBLE FOR STACKABLE STC BASIC WELDING FUNDAMENTALS	
			Certificate Total: 12