

Welding Technology Certificate

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NOTICE(s): For the certificate in Welding Technology, the student must complete a minimum of 58 credit hours – 52 in technical courses and 6 in general education courses – all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: The student must be age 17 or older.

Federal Pell Grant is awarded based on the federal conversion formula for this non-degree certificate program.

Program: [Welding Technology](#)

Type: Certificate

Written Composition

Item #	Title	Credits
	ENG 100 or ENG 101	3
	Sub-Total Credits	3

Natural Sciences and Mathematics

Item #	Title	Credits
	MAH 101, MTH 100 or numerically higher, or WDT 100	3
	Sub-Total Credits	3

Technical Specialty Approved Area V Electives: 52 credits

Of the following, only ORT 100 is required. Students must choose their remaining 51 credits from the rest of the list.

Item #	Title	Credits
ORT 100	Orientation for Career Students	1
	DPT 100 or CIS 146	3
	SPC 103 or SPH 106	3
WDT 108	SMAW Fillet/OFC	3
WDT 109	SMAW Fillet/Pac/Cac	3
WDT 110	Industrial Blueprint Reading	3
WDT 115	GTAW Carbon Pipe	3
WDT 116	GTAW Stainless Pipe	3
WDT 119	Gas Metal Arc/Flux Cored Arc Welding	3
WDT 120	Shielded Metal Arc Welding Groove	3
WDT 122	SMAW Fillet/OFC Lab	3
WDT 123	SMAW Fillet/Pac/CAC Lab	3
WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab	3
WDT 125	Shielded Metal Arc Welding Groove Lab	3
WDT 155	GTAW Carbon Pipe Lab	3
WDT 156	GTAW Stainless Pipe Lab	3
WDT 157	Consumable Welding Processes	3
WDT 158	Consumable Welding Processes Lab	3
WDT 160	Robotics Lab I	3
WDT 162	Consumable Welding Applications	3
WDT 163	Consumable Welding Applications Lab	3
WDT 166	Flux Core Arc Welding (FCAW)	3
WDT 167	Flux Core Arc Welding Lab	3
	WDT 180, 181 or 182	3
WDT 183	Special Topics	2
WDT 183 M	Special Topics Lab	3
WDT 184	Special Topics	1
WDT 185	Special Topics Lab	3
	WDT 193, 291 or 292	3
WDT 217	SMAW Carbon Pipe	3
WDT 218	Certification	3
WDT 219	Welding Inspection & Testing	3
WDT 221	Pipefitting and Fabrication	3
WDT 223	Blueprint Reading for Fabrication	3
WDT 228	Gas Tungsten Arc Welding	3
WDT 229	Boiler Tube	3
WDT 230	Orbital Gas Tungsten Arc Welding	3
WDT 240	Orbital Gas Tungsten Arc Welding Lab	3
WDT 250	Pipe Preparation for Orbital Welding Lab	3
WDT 257	SMAW Carbon Pipe Lab	3
WDT 258	Certification Lab	3
WDT 259	GTAW Groove Lab	3
WDT 268	Gas Tungsten Arc Lab	3
WDT 269	Boiler Tube Lab	3
WDT 281	Special Topics in Welding Technology	3
WDT 286	Co-Op	1
WDT 288	Co-Op	2
	Sub-Total Credits	133
	Total credits:	58