

Welding Technology Certificate

Advisors - Ayers Campus: Gary Udaka, Welding Technology Building (256.835.5426) gudaka@gadsdenstate.edu; S. Bart Smith, Welding Technology Building (256.835.5480) sbsmith@gadsdenstate.edu

East Broad Campus: Frank Miller, Welding Technology Building (256.549.8653) fmiller@gadsdenstate.edu; Darren McCrary, Welding Technology Building (256.549.8657) dmccrary@gadsdenstate.edu

NOTICE(s): For the certificate in Welding Technology, the student must complete a minimum of 59 credit hours – 53 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 below. Admission Requirement: The student must be age 17 or older.

The courses in this program of study may not be offered every semester. It is important to consult with your advisor to determine course schedules to stay on track to graduate.

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

Area I – Written Composition

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

Area III – Natural Sciences and Mathematics

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

Area V - Technical Courses

Of the following, only WKO 101 and ORT 100/ORI 101 are required. Students must choose their remaining 51 credits from the rest of the list.

Item #	Title	Hours
	DPT 100 or CIS 146	3
	ORT 100 or ORI 101	1
	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	Special Topics	3
WDT 181	Special Topics Lab	3
WDT 182	Special Topics	3
WDT 183	Special Topics	2
WDT 183 M	Special Topics Lab	3
WDT 184	Special Topics	1
WDT 193	Co-Op	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 286A	Co-Op	1
WDT 286B	Co-Op	1
WDT 286C	Co-Op	1
WDT 288	Co-Op	2
WDT 291	Co-Op	3
WDT 292	Welding Work Based Application	3
WKO 101	Workplace Skills Development I	1
	Sub-Total Credits	145
		59