

# WELDING TECHNOLOGY (WDT)

(Wallace and Sparks Campuses)

The purpose of this program is to prepare students for employment in the Welding industry as plate and/or pipe welders. Certification is encouraged and performed in accordance with American Welding Society, ASME Section IX, and American Petroleum Institute standards. The program includes a wide variety of welding experiences for plate and pipe welders. Students can exit the program after three semesters with a certificate in plate welding or complete both plate and pipe welding as listed below and receive a program certificate as a combination welder. Students must purchase their own books and tools. Admission is conditional and depends on the student's ability to perform the essential functions identified for this program. A high school diploma or GED® is not required; however, students are required to have specifically documented ability to benefit. (See *Ability-to-Benefit Students* in the *Admission Policies and Procedures* section of this catalog.) Reasonable accommodations are considered.

## SHORT CERTIFICATE CURRICULUM

<i>Course</i>	<i>Credit Hours</i>
<b>Area V: Required Orientation Courses</b>	
ORI 104 WorkKeys® Assessment and Advisement	1
<b>Required Field of Concentration Courses</b>	
WDT 108 SMAW Fillet/OFC	3
WDT 109 SMAW Fillet/PAC/CAC	3
WDT 122 SMAW Fillet/OFC Lab	3
WDT 123 SMAW Fillet/PAC/CAC Lab	3
WDT 124 Gas Metal Arc/Flux Cored Welding Lab	3
<b>Total Credits for Short Certificate</b>	<b>16</b>

## CERTIFICATE CURRICULUM

<i>Course</i>	<i>Credit Hours</i>
<b>Area I: Written and Oral Communications</b>	<b>6</b>
COM 103 Introductory/Technical English II	3
SPC 103 Oral Communication Skills	3
<b>Area III: Natural Sciences, Mathematics, and Computer Science</b>	<b>6</b>
DPT 103 Introductory/Computer Skills II	3
MAH 101 Vocational/Technical Mathematics I	3
<b>Area V: Career and Technical Courses</b>	<b>50</b>
<b>Required Orientation Courses</b>	
ORI 104 WorkKeys® Assessment and Advisement	1
ORT 100 Orientation for Career Students	1
<b>Required Field of Concentration Courses</b>	
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 119 Gas Metal Arc/Flux Cored Arc Welding	3
WDT 120 SMAW Groove	3
WDT 122 SMAW Fillet/OFC Lab	3
WDT 123 SMAW Fillet/PAC/CAC Lab	3
WDT 124 Gas Metal Arc/Flux Cored Welding Lab	3
WDT 125 SMAW Groove Lab	3
WDT 155 GTAW Carbon Pipe Lab	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 Lab	3
<b>Total Field of Concentration Credits</b>	<b>48</b>
<b>Total Credits for Certificate</b>	<b>59</b>

## Welding Technology Certificate Suggested Course Sequence

<i>FIRST SEMESTER</i>	<i>SECOND SEMESTER</i>	<i>THIRD SEMESTER</i>
MAH 101	COM 103	DPT 103
ORI 104	WDT 119	WDT 110
ORT 100	WDT 120	WDT 155
WDT 108	WDT 124	WDT 228
WDT 109	WDT 125	WDT 268
WDT 122		
WDT 123		
<b>FOURTH SEMESTER</b>		
SPC 103		
WDT 115		
WDT 217		
WDT 257		