

# Gateway **S.M.A.R.T.** Plan

## Welding Technology Certificates

I do understand that there may be course changes with future curriculum revisions that may affect a change in course requirements listed on this sheet.

ARC Cutter: 5 Total Credit Hours		Cr	Grade	Offered
WLD 110 Cutting Processes & WLD 111 Cutting Processes Lab		5		Fall/Spring
<b>Required Scores: None</b>				

ARC Welder: 24 Total Credit Hours		Cr	Grade	Offered
WLD 100 Oxy-Fuel Systems & WLD 101 Oxy-Fuel Systems Lab		4		Fall/Spring
WLD 120 Shielded Metal Arc Welding & WLD 121 Shielded Metal Arc Welding Lab		5		Fall/Spring
WLD 130 Gas Tungsten Arc Welding & WLD 131 Gas Tungsten Arc Welding Fillet Lab		5		Fall/Spring
WLD 140 Gas Metal Arc Welding & WLD 141 Gas Metal Arc Welding Fillet Lab		5		Fall/Spring
WLD 170 Blueprint Reading for Welding & WLD 171 Blueprint Reading for Welding Lab		5		Fall/Spring
<b>Required Scores: Pre-Algebra-25 / Reading-64 / Writing-36</b>				

Gas Tungsten Arc Welding: 17 - 18 Total Credit Hours		Cr	Grade	Offered
WLD 100 Oxy-Fuel Systems & WLD 101 Oxy-Fuel Systems Lab		4		Fall/Spring
<b>OR</b> WLD 110 Cutting Processes & WLD 111 Cutting Processes Lab		5		Fall/Spring
WLD 130 Gas Tungsten Arc Welding & WLD 131 Gas Tungsten Arc Welding Fillet Lab		5		Fall/Spring
WLD 133 Gas Tungsten Arc Welding Groove Lab		3		Fall/Spring
<b>OR</b> WLD 235 Gas Tungsten Arc Welding Pipe Lab A		3		Fall/Spring
WLD 170 Blueprint Reading for Welding & WLD 171 Blueprint Reading for Welding Lab		5		Fall/Spring
<b>Required Scores: None</b>				

Gas Welder: 4 - 5 Total Credit Hours		Cr	Grade	Offered
WLD 100 Oxy-Fuel Systems & WLD 101 Oxy-Fuel Systems Lab		4		Fall/Spring
<b>OR</b> WLD 110 Cutting Processes & WLD 111 Cutting Processes Lab		5		Fall/Spring
<b>Required Scores: None</b>				

Pipeline Welder: 41 - 42 Total Credit Hours		Cr	Grade	Offered
WLD 100 Oxy-Fuel Systems & WLD 101 Oxy-Fuel Systems Lab		4		Fall/Spring
<b>OR</b> WLD 110 Cutting Processes & WLD 111 Cutting Processes Lab		5		Fall/Spring
WLD 120 Shielded Metal Arc Welding & WLD 121 Shielded Metal Arc Welding Lab		5		Fall/Spring
WLD 130 Gas Tungsten Arc Welding		2		Fall/Spring
WLD 133 Gas Tungsten Arc Welding Groove Lab*		3		Fall/Spring
WLD 140 Gas Metal Arc Welding		2		Fall/Spring
WLD 143 Gas Metal Arc Welding Groove Lab***		3		Fall/Spring
WLD 170 Blueprint Reading for Welding & WLD 171 Blueprint Reading for Welding Lab		5		Fall/Spring
WLD 220 Welding Certification & WLD 221 Welding Certification Lab		5		Fall/Spring
WLD 225 Shielded Metal Arc Welding Open Groove Lab**		3		Fall/Spring
WLD 227 Shield Metal Arc Welding Pipe Lab A (pre-requisite WLD 225)**		3		Fall/Spring
WLD 235 Gas Tungsten Arc Welding Pipe Lab A (pre-requisite WLD 133)*		3		Fall/Spring
WLD 245 Gas Metal Arc Welding Pipe Lab A (pre-requisite WLD 143)**		3		Fall/Spring
<b>Required Scores: Pre-Algebra-25 / Reading-64 / Writing-36</b>				

### Note

Progression in the Welding Technology program is contingent upon achievement of a grade of C or greater in each technical course (including those selected as technical electives) and maintenance of a 2.0 cumulative grade point average or above (on a 4.0 scale).

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<b>Production Line Welder: 19 Total Credit Hours</b>	<b>Cr</b>	<b>Grade</b>	<b>Offered</b>
WLD 100 Oxy-Fuel Systems & WLD 101 Oxy-Fuel Systems Lab	4		Fall/Spring
WLD 120 Shielded Metal Arc Welding & WLD 121 Shielded Metal Arc Welding Lab	5		Fall/Spring
WLD 130 Gas Tungsten Arc Welding & WLD 131 Gas Tungsten Arc Welding Fillet Lab	5		Fall/Spring
WLD 140 Gas Metal Arc Welding & WLD 141 Gas Metal Arc Welding Fillet Lab	5		Fall/Spring

**Required Scores: Pre-Algebra-25 / Reading-64 / Writing-36**

<b>Shielded Metal Arc Welding: 17 - 18 Total Credit Hours</b>	<b>Cr</b>	<b>Grade</b>	<b>Offered</b>
WLD 100 Oxy-Fuel Systems & WLD 101 Oxy-Fuel Systems Lab	4		Fall/Spring
<b>OR</b> WLD 110 Cutting Processes & WLD 111 Cutting Processes Lab	5		Fall/Spring
WLD 120 Shielded Metal Arc Welding & WLD 121 Shielded Metal Arc Welding Lab	5		Fall/Spring
WLD 123 Shielded Metal Arc Welding Groove with Backing Lab	3		Fall/Spring
<b>OR</b> WLD 225 Shielded Metal Arc Welding Open Groove Lab	3		Fall/Spring
WLD 170 Blueprint Reading for Welding & WLD 171 Blueprint Reading for Welding Lab	5		Fall/Spring

**Required Scores: None**

<b>Tack Welder: 10 Total Credit Hours</b>	<b>Cr</b>	<b>Grade</b>	<b>Offered</b>
WLD 120 Shielded Metal Arc Welding & WLD 121 Shielded Metal Arc Welding Lab	5		Fall/Spring
<b>OR</b> WLD 130 Gas Tungsten Arc Welding & WLD 131 Gas Tungsten Arc Welding Fillet Lab	5		Fall/Spring
<b>OR</b> WLD 140 Gas Metal Arc Welding & WLD 141 Gas Metal Arc Welding Fillet Lab	5		Fall/Spring
WLD 170 Blueprint Reading for Welding & WLD 171 Blueprint Reading for Welding Lab	5		Fall/Spring

**Required Scores: None**

<b>Welder Helper: 2 - 5 Total Credit Hours</b>	<b>Cr</b>	<b>Grade</b>	<b>Offered</b>
WLD 151 Basic Welding A	2		Fall/Spring
<b>OR</b> WLD 120 Shielded Metal Arc Welding & WLD 121 Shielded Metal Arc Welding Lab	5		Fall/Spring
<b>OR</b> WLD 130 Gas Tungsten Arc Welding & WLD 131 Gas Tungsten Arc Welding Fillet Lab	5		Fall/Spring
<b>OR</b> WLD 140 Gas Metal Arc Welding & WLD 141 Gas Metal Arc Welding Fillet Lab	5		Fall/Spring
<b>OR</b> WLD 152 Basic Welding B	5		Fall/Spring
<b>OR</b> IMT 100 Welding for Maintenance & IMT 101 Welding for Maintenance Lab	5		Fall/Spring

**Required Scores: None**

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