



**Description:** This certificate program stresses the development of techniques and understanding of quality weldments. Effects of heat and stress on welded materials are studied and practiced in the laboratory. Students may develop sufficient skill for American Welding Society Certification\*. Students interested in receiving an associate degree should see a counselor/advisor.

**Completion Time:** 2 Years

**Part-time spring start course schedule** (You do not have to follow this exact schedule. It is meant to show the courses needed.)

Year 1		Year 2	
<b>Spring Semester</b>		<b>Spring Semester</b>	
<input type="checkbox"/> Success Skills for the 21st Century	GNST 100 3 Cr.	<input type="checkbox"/> Electrical Circuit Analysis	ATMN 110 3 Cr.
<input type="checkbox"/> Metallurgy and Heat Treatment	INDS 130 2 Cr.	<input type="checkbox"/> Test Plate Welding	WELD 255 3 Cr.
<input type="checkbox"/> Industrial Documentation & Management	TDSN 107 4 Cr.	<input type="checkbox"/> Welding Fabrication & Design	WELD 265 3 Cr.
<input type="checkbox"/> Fundamentals of Welding	WELD 101 3 Cr.	<input type="checkbox"/> Choose 1	
		Welding Automation	WELD 275 3 Cr.
		Pipe Welding	WELD 285 3 Cr.
<b>Fall Semester</b>			
<input type="checkbox"/> Industrial Applied Algebra	INDS 122 2 Cr.		
<input type="checkbox"/> MIG Welding	WELD 105 3 Cr.		
<input type="checkbox"/> TIG Welding	WELD 106 3 Cr.		
<input type="checkbox"/> Basic Machine Operation	INDS 129 4 Cr.		
<b>Total Credits: 36</b>			

**Academic Advising:** You should meet with an academic counselor prior to registering for classes.

**Note:** Prerequisite courses may apply to this program. A minimum of 30 unduplicated credits (100 level or higher) are required for all certificate programs.