

Full-time with summer course schedule

Description: This program provides the background, skills, knowledge, understanding and techniques needed to produce quality weldments. Students gain knowledge of various materials and an understanding of the effects that heat and stress have on welded materials. Students should develop sufficient skills for American Welding Society Certification.

Completion Time: 2 Years

This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.

Year 1				Year 2			
Fall Semester				Fall Semester			
<input type="checkbox"/>	College Success	GNST 100	3 Cr.	<input type="checkbox"/>	Electrical Circuit Analysis	ATMN 110	3 Cr.
<input type="checkbox"/>	Freshman English I	ENGL 100	3 Cr.	<input type="checkbox"/>	Choose 1		
<input type="checkbox"/>	Industrial Applied Algebra	INDS 122	2 Cr.		Survey of General Chemistry	CHEM 105	4 Cr.
<input type="checkbox"/>	Fundamentals of Welding	WELD 101	3 Cr.		College Physics I	PHYS 230	3 Cr.
<input type="checkbox"/>	Choose 1			<input type="checkbox"/>	Test Plate Welding	WELD 255	3 Cr.
	MIG Welding	WELD 105	3 Cr.	<input type="checkbox"/>	Basic Machine Operations	INDS 129	4 Cr.
	TIG Welding	WELD 106	3 Cr.				
Spring Semester				Spring Semester			
<input type="checkbox"/>	Mathematics Requirement		4 Cr.	<input type="checkbox"/>	Communication Requirement		3 Cr.
<input type="checkbox"/>	Industrial Documentation & Management	TDSN 107	4 Cr.	<input type="checkbox"/>	Metallurgy & Heat Treatment	INDS 130	2 Cr.
<input type="checkbox"/>	Choose 1			<input type="checkbox"/>	Welding Automation	WELD 275	3 Cr.
	MIG Welding	WELD 105	3 Cr.	<input type="checkbox"/>	Pipe Welding	WELD 285	3 Cr.
	TIG Welding	WELD 106	3 Cr.	<input type="checkbox"/>	Elective(s) in ATMN, INDS, TDSN or WELD as needed to get to 60 credit hours		
<input type="checkbox"/>	Welding Fabrication & Design	WELD 265	3 Cr.				
Summer Session							
<input type="checkbox"/>	Humanities Requirement		3-4 Cr.				
<input type="checkbox"/>	Choose 1						
	American Political System	POLI 240	3 Cr.				
	United States History to 1865 (Even year)	HIST 250	3 Cr.				
	United States History Since 1865 (Odd year)	HIST 251	3 Cr.				
				Total Minimum Credits: 61			

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 60 unduplicated credits (100 level or higher) are required for all associate degree programs.

Full-time course schedule

Description: This program provides the background, skills, knowledge, understanding and techniques needed to produce quality weldments. Students gain knowledge of various materials and an understanding of the effects that heat and stress have on welded materials. Students should develop sufficient skills for American Welding Society Certification.

Completion Time: 2 Years

This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.

Year 1				Year 2			
Fall Semester				Fall Semester			
<input type="checkbox"/> College Success	GNST 100	3 Cr.		<input type="checkbox"/> Choose 1			
<input type="checkbox"/> <i>Freshman English I</i>	ENGL 100	3 Cr.		Survey of General Chemistry	CHEM 105	4 Cr.	
<input type="checkbox"/> Industrial Applied Algebra	INDS 122	2 Cr.		College Physics I	PHYS 230	3 Cr.	
<input type="checkbox"/> Fundamentals of Welding	WELD 101	3 Cr.		<input type="checkbox"/> Humanities Requirement		3-4 Cr.	
<input type="checkbox"/> Choose 1				<input type="checkbox"/> Basic Machine Operations	INDS 129	4 Cr.	
MIG Welding	WELD 105	3 Cr.		<input type="checkbox"/> Choose 1			
TIG Welding	WELD 106	3 Cr.		American Political System	POLI 240	3 Cr.	
				United States History to 1865	HIST 250	3 Cr.	
				United States History Since 1865	HIST 251	3 Cr.	
				if student wants HIST251, swap with communication requirement			
				<input type="checkbox"/> Test Plate Welding	WELD 255	3 Cr.	
Spring Semester				Spring Semester			
<input type="checkbox"/> Electrical Circuit Analysis	ATMN 110	3 Cr.		<input type="checkbox"/> <i>Communication Requirement</i>		3 Cr.	
<input type="checkbox"/> <i>Mathematics Requirement</i>		4 Cr.		<input type="checkbox"/> Metallurgy & Heat Treatment	INDS 130	2 Cr.	
<input type="checkbox"/> Industrial Documentation & Management	TDSN 107	4 Cr.		<input type="checkbox"/> Welding Automation	WELD 275	3 Cr.	
<input type="checkbox"/> Choose 1				<input type="checkbox"/> Pipe Welding	WELD 285	3 Cr.	
MIG Welding	WELD 105	3 Cr.		<input type="checkbox"/> Elective(s) in ATMN, INDS, TDSN or WELD as needed to get to 60 credit hours			
TIG Welding	WELD 106	3 Cr.					
<input type="checkbox"/> Welding Fabrication & Design	WELD 265	3 Cr.					

Courses in italics may be taken in the summer term.

Total Minimum Credits: 61

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 60 unduplicated credits (100 level or higher) are required for all associate degree programs.

Half-time course schedule

Description: This program provides the background, skills, knowledge, understanding and techniques needed to produce quality weldments. Students gain knowledge of various materials and an understanding of the effects that heat and stress have on welded materials. Students should develop sufficient skills for American Welding Society Certification.

Completion Time: 5 Years

This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.

Year 1

Fall Semester

- Success Skills for the 21st Century GNST 100 3 Cr.
- Freshman English I* ENGL 100 3 Cr.

Spring Semester

- Fundamentals of Welding WELD 101 3 Cr.
- Choose 1
 - MIG Welding WELD 105 3 Cr.
 - TIG Welding WELD 106 3 Cr.

Year 2

Fall Semester

- Choose 1
 - MIG Welding WELD 105 3 Cr.
 - TIG Welding WELD 106 3 Cr.
- Test Plate Welding WELD 255 3 Cr.

Spring Semester

- Welding Fabrication & Design WELD 265 3 Cr.
- Mathematics Requirement* 4 Cr.

Year 3

Fall Semester

- Industrial Applied Algebra INDS 122 2 Cr.
- Industrial Documentation & Management TDSN 107 4 Cr.

Spring Semester

- Welding Automation WELD 275 3 Cr.
- Pipe Welding WELD 285 3 Cr.

Year 4

Fall Semester

- Choose 1
 - Survey of General Chemistry CHEM 105 4 Cr.
 - College Physics I PHYS 230 3 Cr.
- Basic Machine Operations INDS 129 4 Cr.

Spring Semester

- Electrical Circuit Analysis ATMN 110 3 Cr.
- Metallurgy & Heat Treatment INDS 130 2 Cr.

Year 5

Fall Semester

- Choose 1
 - American Political System POLI 240 3 Cr.
 - United States History to 1865 HIST 250 3 Cr.
 - United States History Since 1865 HIST 251 3 Cr.
- Humanities Requirement 3-4 Cr.

Spring Semester

- Elective(s) in ATMN, INDS, TDSN or WELD as needed to get to 60 credit hours
- Communication Requirement* 3 Cr.

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 60 unduplicated credits (100 level or higher) are required for all associate degree programs.

Courses in italics may be taken in the summer term.

Total Minimum Credits: 60

Full-time spring start course schedule

Description: This program provides the background, skills, knowledge, understanding and techniques needed to produce quality weldments. Students gain knowledge of various materials and an understanding of the effects that heat and stress have on welded materials. Students should develop sufficient skills for American Welding Society Certification.

Completion Time: 2 Years

This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.

Year 1

Spring Semester

- College Success GNST 100 3 Cr.
- Freshman English I ENGL 100 3 Cr.
- Fundamentals of Welding WELD 101 3 Cr.
- Humanities Requirement 3-4 Cr.

Fall Semester

- Industrial Applied Algebra INDS 122 2 Cr.
- Choose 1
 - MIG Welding WELD 105 3 Cr.
 - TIG Welding WELD 106 3 Cr.
- Mathematics Requirement 4 Cr.

Year 2

Spring Semester

- Industrial Documentation & Management TDSN 107 4 Cr.
- Test Plate Welding WELD 255 3 Cr.
- Welding Fabrication & Design WELD 265 3 Cr.
- Choose 1
 - American Political System POLI 240 3 Cr.
 - United States History Since 1865 HIST 251 3 Cr.
 - (Odd year)
 (if you want HIST 250 swap with mathematics requirement)

Fall Semester

- Electrical Circuit Analysis ATMN 110 3 Cr.
- Choose 1
 - Survey of General Chemistry CHEM 105 4 Cr.
 - College Physics I PHYS 230 3 Cr.
- Basic Machine Operations INDS 129 4 Cr.

Year 3

Spring Session

- Communication Requirement 3 Cr.
- Metallurgy & Heat Treatment INDS 130 2 Cr.
- Welding Automation WELD 275 3 Cr.
- Pipe Welding WELD 285 3 Cr.
- Elective(s) in ATMN, INDS, TDSN or WELD as needed to get to 60 credit hours

Total Minimum Credits: 61

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 60 unduplicated credits (100 level or higher) are required for all associate degree programs.