

Full-time

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

Fall Semester

☐ Success Skills for the 21st Century	GNST 100	3 Cr.
☐ Freshman English I	ENGL 100	3 Cr.
☐ Industrial Applied Algebra	INDS 122	2 Cr.
☐ Fundamentals of Welding	WELD 101	3 Cr.
☐ TIG Welding	WELD 106	3 Cr.

Spring Semester

☐ Industrial Documentation & Measurement	TDSN 107	4 Cr.
☐ MIG Welding	WELD 105	3 Cr.
☐ Welding Fabrication & Design	WELD 265	3 Cr.
☐ Mathematics Requirement		4 Cr.

Summer Session

☐ Humanities Requirement		3-4 Cr.
☐ 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.

Year 2

Fall Semester

☐ Electrical Circuit Analysis	ATMN 110	3 Cr.
☐ Basic Machine Operations	INDS 129	4 Cr.
☐ Test Plate Welding	WELD 255	3 Cr.
☐ Choose 1		
Survey of General Chemistry	CHEM 105	4 Cr.
College Physics I	PHYS 230	4 Cr.

Spring Semester

☐ Metallurgy & Heat Treatment	INDS 130	2 Cr.
☐ Robotic Arc Welding	WELD 276	3 Cr.
☐ Pipe Welding	WELD 285	3 Cr.
☐ Oral Communication Requirement		3 Cr.
☐ Elective(s) in ATMN, INDS, TDSN or WELD as needed to get to 60 credit hours		

Total Minimum Credits: 60

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.

Part-time

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: 4.5 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.
☐ Electrical Circuit Analysis	ATMN 110	3 Cr.
☐ Industrial Applied Algebra	INDS 122	2 Cr.

Spring Semester

☐ Metallurgy & Heat Treatment	INDS 130	2 Cr.
☐ Industrial Documentation & Measurement	TDSN 107	4 Cr.

Year 2

Fall Semester

☐ Fundamentals of Welding	WELD 101	3 Cr.
☐ TIG Welding	WELD 106	3 Cr.

Spring Semester

☐ MIG Welding	WELD 105	3 Cr.
☐ Welding Fabrication & Design	WELD 265	3 Cr.

Year 3

Fall Semester

☐ Basic Machine Operations	INDS 129	4 Cr.
☐ Test Plate Welding	WELD 255	3 Cr.

Spring Semester

☐ Robotic Arc Welding	WELD 276	3 Cr.
☐ Pipe Welding	WELD 285	3 Cr.

Year 4

Fall Semester

☐ Freshman English I	ENGL 100	3 Cr.
☐ Oral Communication Requirement		3 Cr.

Spring Semester

☐ Choose 1		
United States History Since 1865	HIST 251	3 Cr.
Mathematics Requirement		3-4 Cr.
☐ Humanities Requirement		3-4 Cr.

Year 5

Fall Semester

☐ Choose 1		
Survey of General Chemistry	CHEM 105	4 Cr.
College Physics I	PHYS 230	4 Cr.
☐ Choose 1		
American Political System	POLI 240	3 Cr.
United States History to 1865	HIST 250	3 Cr.
Mathematics Requirement		4 Cr.

*One Social Science class (POLI 240, HIST 250, HIST 251) must be taken

☐ **Elective(s)** in ATMN, INDS, TDSN or WELD as needed to get to 60 credit hours

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

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

☐ Success Skills for the 21st Century	GNST 100	3 Cr.
☐ Freshman English I	ENGL 100	3 Cr.
☐ Fundamentals of Welding	WELD 101	3 Cr.
☐ Oral Communication Requirement		3 Cr.

Fall Semester

☐ Industrial Applied Algebra	INDS 122	2 Cr.
☐ MIG Welding	WELD 105	3 Cr.
☐ TIG Welding	WELD 106	3 Cr.
☐ Industrial Documentation & Measurement	TDSN 107	4 Cr.

Year 2

Spring Semester

☐ Electrical Circuit Analysis	ATMN 110	3 Cr.
☐ Test Plate Welding	WELD 255	3 Cr.
☐ Welding Fabrication & Design	WELD 265	3 Cr.
☐ Humanities Requirement		3-4 Cr.

Fall Semester

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

Year 3

Spring Semester

☐ Metallurgy & Heat Treatment	INDS 130	2 Cr.
☐ Robotic Arc Welding	WELD 276	3 Cr.
☐ Pipe Welding	WELD 285	3 Cr.
☐ 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.
☐ Elective(s) in ATMN, INDS, TDSN or WELD as needed to get to 60 credit hours		

Total Minimum Credits: 60

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.