

 	ONE-YEAR CERTIFICATE WELDING TECHNOLOGY	2024-25 Catalog Effective Summer 2024
	<i>The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.</i>	4309

Business, Engineering, and Information Technologies Division

Industrial Technology Department

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
AIT228	Automated Welding and Fabrication	3	MST127 and AIT220	
MST127	Principles of Welding	6		
MST136	3G and 4G Welding Certification Exam Preparatory	4	MST127	
MST137	6G Welding Certification Exam Preparatory	4	MST136	
MST138	Preparatory Gas Tungsten Arc Welding	4	MST127	
MST139	Gas Tungsten Arc Welding	3	MST138	
MST227	Metallic Inert Gas Welding	3	MST127	
Total		27		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>	
AIT103	Non-Destructive Testing	2		
AIT220	Industrial Robotics	4		
MST121	Blueprint Reading	2		
Total		9		
TOTAL CREDIT HOURS		36		

^Based on SSC placement scores

^^To promote student success, this course should be taken in the first semester

Students completing this certificate may be eligible to also receive an Industrial Technology – 3G and 4G Welding Certification Exam Preparation Career Enhancement Certificate (4321), an Industrial Technology – 6G Welding Certification Exam Preparation Career Enhancement Certificate (4322), an Industrial Technology – Tungsten Inert Gas Welding Career Enhancement Certificate (4324) and an Industrial Technology – Welding Technology AWS* Certification Exam Preparation Career Enhancement Certificate (4320).

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FULL-TIME STUDENT ADVISING NOTES

Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

Course Sequence

The semester-by-semester listing below provides the normal scheduling option for students seeking a one-year certificate.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- or Co-requisite</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
MST121	Blueprint Reading	2	
AIT103	Non-Destructive Testing	2	
AIT220	Industrial Robotics	4	
MST127	Principles of Welding	<u>6</u>	
		15	
 <u>Second Semester</u>			
AIT228	Automated Welding and Fabrication	3	MST127 and AIT220
MST136	3G and 4G Welding Certification Exam Preparatory	4	MST127
MST138	Preparatory Gas Tungsten Arc Welding	4	MST127
MST227	Metallic Inert Gas Welding	<u>3</u>	MST127
		13	
 <u>Third Semester</u>			
MST137	6G Welding Certification Exam Preparatory	4	MST136
MST139	Gas Tungsten Arc Welding	<u>3</u>	MST138
		7	
	TOTAL CREDITS	36	

^Based on SSC placement scores

^^To promote student success, this course should be taken in the first semester