

 Stark State COLLEGE	<h1 style="margin: 0;">ONE-YEAR CERTIFICATE</h1> <h1 style="margin: 0;">INDUSTRIAL MAINTENANCE</h1> <p style="font-size: small; margin: 5px 0;">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.</p>	2022-23 Catalog Effective Summer 2022
		4352

Business, Engineering, and Information Technologies Division

Industrial Technology Department

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
AIT101	Basic Machines^^	2		
AIT139	Introduction to Robotics	2		
MST134	Hydraulic and Pneumatic Systems^	4	MTH022 or MTH023 or Proficiency	
MST125	Basic Pumps	3		
MST221	Mechanical Drive Components	3		
AIT220	Industrial Robotics	4		
EST230	Electrical Circuits and Devices	4	(MTH025 or Proficiency) or MTH107	
EET227	PLCs and Industrial Controls I	3	EET120 or EST230	
MST127	Principles of Welding	3	Co-MST128	
MST128	Welding Laboratory	3	Co-MST127	
Total		31		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>	
MTH107	Industrial Math	3	(MTH021 or Proficiency) or Pre-Co- MTH007	
Total		4		
TOTAL CREDIT HOURS		35		

^Based on SSC placement scores.

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

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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-requisites</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
AIT101	Basic Machines^^	2	<i>Take first semester</i>
AIT139	Introduction to Robotics	2	
MST127	Principles of Welding	3	Co-MST128
MST128	Welding Laboratory	3	Co-MST127
MST125	Basic Pumps	3	
MTH107	Industrial Math	<u>3</u>	(MTH021 or Proficiency) or Pre-Co-MTH007
		17	
<u>Second Semester</u>			
EST230	Electrical Circuits and Devices	4	(MTH025 or Proficiency) or MTH107
AIT220	Industrial Robotics	4	
MST134	Hydraulic and Pneumatic Systems^	4	MTH022 or MTH023 or Proficiency
MST221	Mechanical Drive Components	3	
EET227	PLCs and Industrial Controls I	<u>3</u>	EET120 or EST230
		18	
	TOTAL CREDITS	35	

^Based on SSC placement scores.

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