

 	<b>ONE-YEAR CERTIFICATE</b> <b>INDUSTRIAL MAINTENANCE</b>	<b>2021 Catalog</b> Effective Summer 2020
	<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>	<b>4352</b>

*Engineering Technologies Division*

*Industrial Technology Department*

<b>TECHNICAL Course Number</b>	<b>Course Title</b>	<b>Credits</b>	<b>Pre- and Co-Requisites</b>	<b>Completed Sem./Year</b>
AIT139	Introduction to Robotics	2		
MST134	Hydraulic and Pneumatic Systems <sup>^</sup>	6	MTH022 <b>or</b> MTH023 <b>or</b> Proficiency	
MST221	Mechanical Drive Components	3		
AIT220	Industrial Robotics	4	AIT139	
EET120	DC Circuit Analysis	4	Pre-Co-MTH125 <b>or</b> Pre-Co-MTH135	
EET227	PLCs and Industrial Controls I	3	EET120 <b>or</b> EST230	
MST127	Principles of Welding	3	Co-MST128	
MST128	Welding Laboratory	3	Co-MST127	
<b>Total</b>		<b>28</b>		
<b>NON-TECH Course Number</b>	<b>Course Title</b>	<b>Credits</b>	<b>Pre- and Co-Requisites</b>	<b>Completed Sem./Year</b>
SSC101	Student Success Seminar <sup>^^</sup>	1	<i>Take first semester</i>	
MTH125	College Algebra <sup>^</sup>	4	MTH025 <b>or</b> MTH023 <b>or</b> Proficiency	
<b>Total</b>		<b>5</b>		
<b>TOTAL CREDIT HOURS</b>		<b>33</b>		

<sup>^</sup>Based on SSC placement scores.

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

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PART-TIME STUDENT ADVISING NOTES

Academic Advising

Students should make an appointment to see their advisor before 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 who plan to finish in four semesters.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- or Co-requisites</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
EET120	DC Circuit Analysis	4	Pre-Co-MTH125 <b>or</b> Pre-Co-MTH135
MTH125	College Algebra^	<u>4</u>	MTH025 <b>or</b> MTH023 <b>or</b> Proficiency
		<b>9</b>	
 <u>Second Semester</u>			
MST127	Principles of Welding	3	Co-MST128
MST128	Welding Laboratory	3	Co-MST127
AIT139	Introduction to Robotics	<u>2</u>	
		<b>8</b>	
 <u>Third Semester</u>			
AIT220	Industrial Robotics	4	AIT139
EET227	PLCs and Industrial Controls I	<u>3</u>	EET120 <b>or</b> EST230
		<b>7</b>	
 <u>Fourth Semester</u>			
MST221	Mechanical Drive Components	3	
MST134	Hydraulic and Pneumatic Systems^	<u>6</u>	MTH022 <b>or</b> MTH023 <b>or</b> Proficiency
		<b>9</b>	
	<b>TOTAL CREDITS</b>	<b>33</b>	

^Based on SSC placement scores.

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