

 	ONE-YEAR CERTIFICATE PREVENTIVE AND PREDICTIVE MAINTENANCE TECHNOLOGY	2022-23 Catalog Effective Summer 2022
	<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>	5029

Business, Engineering, and Information Technologies Division

Industrial Technology Department

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
MST121	Blueprint Reading	2		
MST125	Basic Pumps	3		
MST126	Pipefitting Principles and Applications	3		
MST134	Hydraulic and Pneumatic Systems [^]	4	MTH022 or MTH023 or Proficiency	
MST221	Mechanical Drive Components	3		
EST230	Electrical Circuits and Devices [^]	4	(MTH025 or Proficiency) or MTH107	
AIT134	Preventive and Predictive Maintenance	3	MST221 and MST125	
AIT222	Predictive Maintenance Analysis	2	AIT134	
Total		24		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar ^{^^}	1	Take first semester	
AIT101	Basic Machines ^{^^}	2	Take first semester	
CSE122	Programming Logic and Problem Solving [^]	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)	
MTH107	Industrial Math [^]	3	(MTH021 or Proficiency) or Pre-Co-MTH007	
Total		9		
TOTAL CREDIT HOURS		33		

[^]Based on SSC placement scores

^{^^}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 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 who plan to finish in four semesters.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- and Co-requisite</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
AIT101	Basic Machines^^	2	
MTH107	Industrial Math^	3	(MTH021 or Proficiency) or Pre-Co-MTH007
MST125	Basic Pumps	<u>3</u>	
		9	
 <u>Second Semester</u>			
MST121	Blueprint Reading	2	
MST221	Mechanical Drive Components	3	
MST126	Pipefitting Principles and Applications	<u>3</u>	
		8	
 <u>Third Semester</u>			
AIT134	Preventive and Predictive Maintenance	3	MST221 and MST125
MST134	Hydraulic and Pneumatic Systems^	<u>4</u>	MTH022 or MTH023 or Proficiency
		7	
 <u>Fourth Semester</u>			
EST230	Electrical Circuits and Devices ^	4	(MTH025 or Proficiency) or MTH107
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)
AIT222	Predictive Maintenance Analysis	<u>2</u>	AIT134
		9	
	TOTAL CREDITS	33	

^Based on SSC placement scores

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