

 	CAREER ENHANCEMENT CERTIFICATE INDUSTRIAL TECHNOLOGY – MECHANICAL DRIVE SYSTEMS	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>	4318

Business, Engineering, and Information Technologies Division

Industrial Technology Department

Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
AIT101	Basic Machines	2		
MST121	Blueprint Reading	2		
MST221	Mechanical Drive Components	3		
MST125	Basic Pumps	3		
MST134	Hydraulic and Pneumatic Systems [^]	4	MTH022 or MTH023 or Proficiency	
MTH107	Industrial Math [^]	3	(MTH021 or Proficiency) or Pre-Co-MTH007	
TOTAL CREDIT HOURS		17		

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.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- and Co-requisites</u>
AIT101	Basic Machines	2	
MST121	Blueprint Reading	2	
MTH107	Industrial Math [^]	3	(MTH021 or Proficiency) or Pre-Co-MTH007
		<u>7</u>	
<u>Second Semester</u>			
MST125	Basic Pumps	3	
MST134	Hydraulic and Pneumatic Systems [^]	4	MTH022 or MTH023 or Proficiency
MST221	Mechanical Drive Components	3	
		<u>10</u>	
	TOTAL CREDITS	17	

[^]Based on SSC placement scores

The classes in this certificate also apply toward the completion of an Industrial Maintenance One-Year Certificate (4352) an Industrial Technology Degree (4300) and an Industrial Technology – Industrial Maintenance Major (4351).