

 	CAREER ENHANCEMENT CERTIFICATE MECHANICAL ENGINEERING TECHNOLOGY – MECHANICAL POWER	2023-24 Catalog Effective Summer 2023
	<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>	4057

Business, Engineering, and Engineering Technologies Division

Engineering Technology Department

Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
EST230	Electrical Circuits and Devices [^]	4	(MTH025 or Proficiency) or MTH107	
MET124	Statics and Strength of Materials	4	Pre-Co-PHY121 or Pre-Co-PHY221	
MET222	Fluid Power	4	MET124	
MET228	Machine Design	4	MET124	
MTH135	Precalculus [^] - <i>A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement</i>	5	MTH025 or Proficiency	
PHY121	College Physics I with Algebra (lab)	4	MTH135 or (MTH125 and MTH130) or Proficiency	
TOTAL CREDIT HOURS		25		

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>
MTH135	Precalculus [^]	5	MTH025 or Proficiency or Proficiency
<u>Second Semester</u>			
PHY121	College Physics I with Algebra (lab)	4	MTH135 or (MTH125 and MTH130) or Proficiency
MET124	Statics and Strength of Materials	4	Pre-Co-PHY121 or Pre-Co-PHY221
EST230	Electrical Circuits and Devices [^]	4	(MTH025 or Proficiency) or MTH107
		12	
<u>Third Semester</u>			
MET222	Fluid Power	4	MET124
MET228	Machine Design	4	MET124
		8	
TOTAL CREDITS		25	

[^]Based on SSC placement scores