Stark State COLLEGE MAP MY ACADEMIC PLAN	**CAREER ENHANCEMENT CERTIFICATE** # MECHANICAL ENGINEERING TECHNOLOGY – MECHANICAL POWER *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.*	**2024-25 Catalog** Effective Summer 2024 **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^ - *A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement*	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.

First Semester		Credit Hours	Pre- and Co-requisites
MTH135	Precalculus^ - *A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement*	5	MTH025 **or** Proficiency
		5	
Second Semester			
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	
Third Semester			
MET222	Fluid Power	4	MET124
MET228	Machine Design	4	MET124
		8	
	TOTAL CREDITS	**25**	

^Based on SSC placement scores

The classes in this certificate also apply toward the completion of a Mechanical Engineering Technology Degree (4050).