Diploma Degree in Mechanical Engineering Technology (65 Credit Hours) - Work Sheet

Minimum Technology Core Requirements (27 credit hours)

	Course Code	Course Title	CR	Pre-Req, ConP	Other Information	Term	Comments
Engineering Technology Fundamentals (3 credits)							
☐	ET 131	Transforming Ideas to Innovations I	2	None			
☐	MET 290	Global Engineering Technology Professional Seminar	1	Sophomore			
Mechanics and Materials (9 credits)							
☐	ET 190	Basic Mechanics I	3	ConP: MA 165			
☐	ET 200	Mechanics Of Materials	3	ET 190 with a grade of C- or better			
☐	MET 180	Structure and Properties of Materials	3	ET 131 (with a grade of C- or better), and ConP: MA 165			
Mechanical Engineering Technology Graphics and Design (5-6 credits)							
☐	MET 223	Introduction To Mechanical Engineering Design, Innovation and Entrepreneurship	3	ET 131 and MET 163 (For MET program only prerequisites should be met with min. with a grade of C-)			
☐	MET 163	Graphical Communication and Spatial Analysis	2	None			
Engineering Technology Programming Essentials (3 credits)							
☐	ENG 200	Programming Applications for Engineering	3	ET 131			
Engineering Technology Breadth (4-6 credits)							
☐	IET 204	Techniques of Maintaining Quality	3	ConP: MA 165			
☐	IET 104	Industrial Management Seminars	1	None			
Engineering Technology Project (3 credits)							
☐	MET 335	Basic Machining	3	MET 163, MET 180, and PHYS 218, all with grades of C- or better			

Technology Core Req. Credits Planned (27): _____   Credits Completed: _____   Credits Remaining: _____

Math and Science Requirements (15 credit hours)

Quantitative Reasoning (11 credit hours)

	Course Code	Course Title	CR	Pre-Req, ConP	Other Information	Term	Comments
☐	MA 165	Analytic Geometry and Calculus I	4	Placement Test or MA 158			
☐	MA 166	Analytic Geometry and Calculus II	4	MA 165			
☐	STA 205	Applied Statistics for Engineering Technology	3	ConP: MA 165			

Quantitative Reasoning Credits Planned (11 credits): _____   Credits Completed: _____   Credits Remaining: _____

Scientific Ways of Knowing (4 credit hours)

	Course Code	Course Title	CR	Pre-Req, ConP	Other Information	Term	Comments
☐	PHYS 218	Modern Mechanics	4	MA 161 or MA 223 or ConP: MA 165			

Scientific Ways of Knowing Credits Planned (4 credits): _____   Credits Completed: _____   Credits Remaining: _____

ACM reserves the right to change program content, course requirements, materials, course offerings, and/or schedules as deemed necessary.

Liberal Arts Requirements (23 credit hours):

English Language and Communication Skills (9-10 credit hours)

	Course Code	Course Title	CR	Pre-Req, ConP	Other Information	Term	Comments
☐	ENGL 100	English for Academic Studies	3	None			
☐	COM 114	Fundamentals of Speech Communication	3	ENGL 100			
☐	ENGL 107	First Year Composition	4	ENGL 100			

General Education Requirement (13 credit hours)

	Course Code	Course Title	CR	Pre-Req, ConP	Other Information	Term	Comments
☐							
☐							
☐							

Liberal Arts Credits Planned (23 credit): _____   Credits Completed: _____   Credits Remaining: _____

DISCLAIMER: The number of credits required for Liberal Arts Requirements may differ for students who decide to switch their major. It is ultimately the student's duty to confirm all academic requirements are addressed.

Total Credits Required for Degree: 65   Total Credits Planned: _____   Total Credits Completed: _____ Total Credits Remaining: _____