

<b>SUNY Canton Mechanical Engineering Technology (MET) - B. Tech. (0235)</b>				<b>Fall 2017</b>	
Department Chair: Daniel Miller		Advisors: Dr. Lucas Craig, Daniel Miller			
1 <sup>st</sup> Semester			Credit	Term	Grade
ENGL 101	Composition & The Spoken Word	(GER 10)	3		
MATH 123	Pre Calculus Algebra	(GER 1)	4		
MECH 121	Manufacturing Processes I		3		
ENGS 101	Introduction to Engineering		2		
PHYS 121/131	College/University Physics I	(GER 2)	3		
PHY 125/135	Physics Lab 1	(GER 2)	1		
			16		
2 <sup>nd</sup> Semester					
MECH 128	Electromechanics		3		
	CAD Elective		2/3		
CONS 172	Technical Statics		3		
MATH 161	Calculus I	(GER 1)	4		
PHYS 122/132	College/University Physics II	(GER 2)	3		
PHYS 126/136	Physics Lab 2	(GER 2)	1		
			16/17		
3 <sup>rd</sup> Semester					
MATH 162	Calculus II	(GER 1)	4		
ELEC 261	Electricity		4		
MECH 241	Fluid Mechanics		3		
MECH 242	Fluid Power lab		1		
ENGS 102	Programming for Engineers		2		
CONS 272	Strength of Materials for Technology		3		
			17		
4 <sup>th</sup> Semester					
	GER Elective (3,4,5,6,7,8,9) <sup>1</sup>		3		
MECH 220	Engineering Materials <sup>3</sup>		3		
MECH 232	Machine Design		3		
	Program Elective (100 or 200 level) <sup>2</sup>		3		
	Program Elective (100 or 200 level) <sup>2</sup>		3		
			15		
5 <sup>th</sup> Semester					
	GER Elective (3,4,5,6,7,8,9) <sup>1</sup>		3		
MECH 301	Technical Dynamics		3		
MECH 342	Thermodynamics		3		
SOET 377	Engineering Ethics		1		
MATH 364	Differential Equation	(GER 1)	4		
	Program Elective (300 or 400 level) <sup>4</sup>		3		
			17		

6 <sup>th</sup> Semester				
MATH 141	Statistics	(GER 1)	3	
MECH 343	Heat Transfer		3	
	Program Elective (300 or 400 level) <sup>4</sup>		3	
	Program Elective (300 or 400 level) <sup>4</sup>		3	
	GER Elective (3,4,5,6,7,8,9) <sup>1</sup>		3	
			15	
7 <sup>th</sup> Semester				
SOET 361	Project Management		3	
MECH 341	Intermediate Fluid Mechanics		3	
MECH 377	Capstone Research & Proposal		1	
	Program Elective (300 or 400 level) <sup>4</sup>		3	
	Program Elective (300 or 400 level) <sup>4</sup>		3	
	GER Elective (3,4,5,6,7,8,9) <sup>1</sup>		3	
			16	
8 <sup>th</sup> Semester				
MECH 477	Capstone Project		3	
SOET 370	Engineering Economics		3	
	Program Elective (300 or 400 level) <sup>4,5</sup>		3	
	Program Elective (300 or 400 level) <sup>4,5</sup>		3	
			12	

**NOTES:**

- 1 Must complete 7 of 10 GERS and 30 credits
- 2 Program electives are lower level (100 or 200) from all ACHP,AREA,CHEM,CITA,CONS,ELEC,ENGS,MECH,SOET course listing
- 3 Writing intensive course requirement
- 4 Program electives are upper level from all ACHP,AREA,CITA,CONS,ELEC,MATH,PHYS,MECH,SOET course listing. Program electives are selected by advisement based on student interest and career goals
- 5 MECH480 Co-Op can be equivalent up to 6 credit hours
- 6 CAD Electives (MECH112,SOET116,SOET250)

**GER Elective Course must come from the following list:**

GER 3	Social Science	GER 7	Literature/Humanities
GER 4	American History	GER 8	The Arts
GER 5	Western Civilization	GER 9	Foreign Language
GER 6	Other Worlds		

Complete 7 of 10 GER's 3 and 30 credits

GER's:  1  2  3  4  5  6  7  8  9  10

**Completed OSHA 10 Hour Safety Course and Certification is on Record: YES/NO**

**Graduation Requirements: Total Semester Credit Hours – 124/125**

**STUDENT \_\_\_\_\_ CERTIFIED FOR GRADUATION YES/NO**

**SSN \_\_\_\_\_ CERTIFIED BY \_\_\_\_\_**

**CLASS OF \_\_\_\_\_ G.P.A. 1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_ 4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_ 7 \_\_\_\_\_ 8 \_\_\_\_\_**