SUNY Canton Mechanical Engineering Technology (MET) - B. Tech. (0235)			**Fall 2016**
Department Chair: Daniel Miller Advisors: Dr. Lucas Craig, Daniel Miller			
1st Semester		**Credit**	**Term**	**Grade**

1st Semester		Credit	Term	Grade
ENGL 101	Composition & The Spoken Word (GER 10)	3		
MATH 123	Pre Calculus Algebra (GER 1)	4		
	CAD Elective	2/3		
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		
		15/16		
2nd Semester				
MECH 128	Electromechanics	3		
ENGS 102	Programming for Engineers	2		
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		
3rd Semester				
MATH 162	Calculus I I (GER 1)	4		
ELEC 261	Electricity	4		
MECH 241	Fluid Mechanics	3		
MECH 242	Fluid Power Lab	1		
CONS 272	Strength of Materials for Technology	3		
		15		
4th Semester				
	GER Elective (3,4,5,6,7,8,9)[1]	3		
	Program Elective (100 or 200 level)[2,3]	3		
	Program Elective (100 or 200 level)[2]	3		
	Program Elective (100 or 200 level)[2]	3		
	Program Elective (100 or 200 level)[2]	3		
		15		
5th Semester				
	GER Elective (3,4,5,6,7,8,9)[1]	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)[4]	3		
		17		

6th Semester				
MATH 141	Statistics (GER 1)	3		
MECH 343	Heat Transfer	3		
SOET 348	Engineering Safety	1		
	Program Elective (300 or 400 level)[4]	3		
	Program Elective (300 or 400 level)[4]	3		
	GER Elective (3,4,5,6,7,8,9)[1]	3		
		16		
7th Semester				
SOET 361	Project Management	3		
MECH 341	Intermediate Fluid Mechanics	3		
	Program Elective (300 or 400 level)[4]	3		
	Program Elective (300 or 400 level)[4]	3		
	GER Elective (3,4,5,6,7,8,9)[1]	3		
		15		
8th Semester				
MECH 477	Capstone Project	3		
SOET 370	Engineering Economics	3		
	Program Elective (300 or 400 level)[4,5]	3		
	Program Elective (300 or 400 level)[4,5]	3		
	GER Elective (3,4,5,6,7,8,9)[1]	3		
		15		

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 (advise MECH220)
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 Internship can be equivalent 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

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____**