

SUNY Canton Sustainable Energy Technology (SET) - B. Tech. (865)				Fall 2019	
Program Coordinator: Dr. Kibria Roman			Advisors: Dr. Kibria Roman		
1 st Semester			Credit	Term	Grade
ENGL 101	Composition & The Spoken Word	(GER 10)	3		
ENGS 101	Introduction to Engineering		2		
MATH 123	Precalculus Algebra	(GER 1)	4		
PHYS 121/131	College/University Physics I	(GER 2)	3		
PHY 125/135	Physics Lab 1	(GER 2)	1		
	GER Elective (3,4,5,6,7,8,9) ¹		3		
			16		
2 nd Semester					
MATH 161	Calculus I	(GER 1)	4		
SOET 116	Introduction to Computer Drafting		2		
PHYS 122/132	College/University Physics II		3		
PHYS 126/136	Physics Lab 2	(GER 2)	1		
	GER Elective (3,4,5,6,7,8,9) ¹		3		
	Program Elective (100 or 200 level) ²		3		
			16		
3 rd Semester					
MATH 162	Calculus II		4		
ELEC 261	Electricity		4		
MECH 241	Fluid Mechanics		3		
MECH 241	Fluid Power Lab		1		
CHEM 150	College Chemistry I	(GER 2)	4		
			16		
4 th Semester					
ELEC 141	Industrial Controls		2		
ENGS 102	Programming for Engineers		2		
MATH 141	Statistics	(GER 1)	3		
ESCI 101	Intro to Environmental Science	(GER 2)	3		
MATH 364	Differential Equations	(GER 1)	4		
	GER Elective (3,4,5,6,7,8,9) ¹		3		
			17		
5 th Semester					

AREA 320	Experimentation & Measurement Lab I	3		
MECH 342	Thermodynamics	3		
AREA _____	AREA Elective ³	3		
ACHP 324	HVAC Load Calculation	3		
	CAD Elective	3		
		15		
6th Semester				
AREA 370	Experimentation & Measurement Lab II **	3		
AREA _____	AREA Elective ³	3		
MECH 343	Heat Transfer	3		
	GER Elective (3,4,5,6,7,8,9) ¹	3		
	Program Elective (300 or 400 level) ⁴	3		
		15		
7th Semester				
ELEC 215	Electrical Energy Conversion	4		
AREA _____	AREA Elective ³	3		
SOET 377	Engineering Ethics	1		
ACHP 401	Building Automation Systems	3		
MECH 377	Capstone Research & Proposal	1		
SOET 361	Project Management	3		
		15		
8th Semester				
MECH 477	Capstone Project	3		
AREA _____	AREA Elective ³	3		
SOET 370	Engineering Economics	3		
	GER Elective (3,4,5,6,7,8,9) ¹	3		
	Program Elective (300 or 400 level) ⁴	3		
		15		

NOTES:

1. Must complete 7 of 10 GER's and 30 credits
 2. Program electives are lower level (100 or 200) from all ACHP,AREA,CITA,CONS,ELEC,MECH,SOET course listing
 3. AREA electives are upper level (300 or 400)from all AREA course listing
 4. Program electives are upper level from all ACHP,AREA,CITA,CONS,ELEC,MATH,PHYS,MECH,SOET course listing
- ** Writing intensive course.

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 and 30 Credits of GER's

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

Completed OSHA 10 Hr.(Construction) Safety Course and Certification is on Record: YES/NO

Graduation Requirements: Total Semester Credit Hours - 125

STUDENT _____ CERTIFIED FOR GRADUATION YES/NO

SSN _____ CERTIFIED BY _____

CLASS OF _____ G.P.A. 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ 8 _____