SUNY Canton Alternative and Renewable Energy Systems (ARES) - B. Tech. (865)			**Fall 2016**	
Program Coordinator: Advisors:				
1st Semester		**Credit**	**Term**	**Grade**
AREA 110	Introduction to Alternative Energy	3		
ENGL 101	Composition & The Spoken Word (GER 10)	3		
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		
		17		
2nd 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		
3rd Semester				
MATH 162	Calculus I I	4		
ELEC 261	Electricity	4		
MECH 241	Fluid Mechanics	3		
MECH 242	Fluid Power Lab	1		
CHEM 150	College Chemistry I (GER 2)	4		
		16		
4th 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		
	GER Elective (3,4,5,6,7,8,9)[1]	3		
	Program Elective (100 or 200 level)[2]	3		
		16		
5th Semester				
AREA 320	Experimentation & Measurement Lab I	3		
MECH 342	Thermodynamics	3		
AREA _____	AREA Elective [3]	3		
	GER Elective (3,4,5,6,7,8,9)[1]	3		
	Program Elective (300 or 400 level)[2]	3		
		15		

6th Semester				
AREA 370	Experimentation & Measurement Lab II **	3		
AREA _____	AREA Elective [3]	3		
MECH 343	Heat Transfer	3		
BSAD 340	Management Communications	3		
SOET 370	Engineering Project Analysis	3		
		15		
7th Semester				
ELEC 215	Electrical Energy Conversion	4		
AREA _____	AREA Elective [3]	3		
	Program Elective (300 or 400 level)[4]	3		
ACHP 401	Building Automation Systems	3		
SOET 361	Project Management	3		
		16		
8th Semester				
MECH 477	Capstone Project	3		
AREA _____	AREA Elective [3]	3		
CONS 350	Geographic Information Systems	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 5 of 7 GER's 3 through 9

GER's: ___✔___1 ___✔___2 _____3 _____4 _____5 _____6 _____7 _____8 _____9 ___✔___10

Graduation Requirements: Total Semester Credit Hours - 126

STUDENT _____ CERTIFIED FOR GRADUATION   YES/NO

SSN_____ CERTIFIED BY _____

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