Fall - 2015

Bachelor of Electrical Engineering Technology Program (B. Tech) 0216

SUNY Canton — Stephen Frempong, Robert Jennings, Rashid Aidun, David Hartle

First Semester-Fall		G 1	. T. O. 1
Course Number / Title	T W		its Term Grade
ENGL 101	Expository Writing [GER 10]	3	
MATH 123	Pre-Calculus [GER 1]	4	
SOET 116	Intro to CAD and Design	2	
ENGS 101	Introduction to Engineering	2	
ELEC 101	Electric Circuits I	3	
ELEC 109	Electric Circuits I Lab	1	
		15	
Second Semester-Spring			
ENGS 102	Programming for Engineers	2	
ELEC 102	Electric Circuits II	3	
ELEC 129	Electric Circuits II Lab	1	
MATH 161	Calculus I	4	
ELEC 165	Digital Fundamentals & Systems	3	
ELEC 166	Digital Fundamentals & Systems Lab	1	
		14	
Third Semester-Fall			
PHYS 121/131	College/University Physics I [GER 2]	3	
PHYS 125/135	College Physics I Lab	1	
ELEC 213	Microprocessors	3	
	GER course (3,4,5,6,7,8,9)	3	
ELEC 231	Electronic Circuits	4	
ELEC 141	Industrial Controls	2	
		16	
Fourth Semester-Spring	•		
Course Number / Title			
ELEC 243	Automated Control Systems	2	
PHYS 122/132	College/University Physics II	3	
PHYS 126/136	College Physics II Lab	1	
ELEC 215	Electrical Energy Conversion	4	
ELEC 225	Telecommunications	3	
MATH 162	Calculus II	4	
		17	
Fifth Semester-Fall			
MATH 141	Statistics(I)	3	
ELEC 343	Advanced Circuit Analysis	3	
ELEC 332	Industrial Power Electronics	3	
EEEC 332	GER course (3,4,5,6,7,8,9)	3	
SOET 377	Engineering Ethics	1	
MATH 364	Differential Equations	4	
WIATII 30 4	Differential Equations	7	
Sixth Semester-Spring		17	
ELEC 380	LAN/WAN Technology	3	
ELEC 385	Electronic Communications I	3	
ELEC 383	Power Transmission and Distribution	3	
LLLC 303	GER course (3,4,5,6,7,8,9)	3	
	Program Elective	3	
SOET 348	Engineering Safety	1	
JULI JTO	Engineering batety	16	
		10	

Seventh Semester-Fall				
Course Number / Title		Credits		
SOET 361	Project Management	3		
	Program Elective	3		
ELEC 386	Electronic Communications II	3		
ELEC 416	Microelectronics Circuit Design	3		
	GER course (3,4,5,6,7,8,9)	3		
		===		
		15		
Eighth Semester-Spring				
Course Number / Title		Credits		
	Program Elective	3		
ELEC 477	Capstone Project	3		
SOET 370	Engineering Project Analysis	3		
ELEC488	Electrical Power Systems	3		
	Program Elective	3		
		===		
		15		
	Total Credits:	125		
Program Electives				

- 1. Fiber Optic Communications (ELEC 375) or PHYS301
- 2. Math Minor Courses (MATH 341, MATH 361, MATH 351, MATH 371, MATH 263, MATH 391)
- 4. Management Telecommunications (SOET 373)
- 5. Wind Turbines (AREA 303)
- 6. Satellite Communications (ELEC 405)
- 7. Design of Experiments (MECH 351)
- 8. Thermodynamics (MECH 342)
- 9. Geothermal Energy (AREA 340)
- 10.Biomedical Electronics (ELEC436)
- or Electives approved by the program director

Graduation Requirements: 125 Semester Credit	Hours with a G.P.A of 2.0 minimum
Name of Student	Certified for Graduation (Yes/No)
SN Certified I	Зу
Class of Total G.P.A	······