

**ELECTRONICS AND COMPUTER TECHNOLOGY PROGRAM
COLLEGE OF TECHNOLOGY**

2012-2013

B.S. In Technology

Courses Required For Major		Other Required Courses		BG Perspective Core Courses*	
Cooperative Education	8 HRS	University	38-39 HRS	Natural Sciences #	24 HRS
TECH 2890 Co-op	4	CS 1010	3		
TECH 3890 Co-op	4	CS 2010	3		3
		GSW 1120	3		3
Concentration	45 HRS	MATH 1280	5		
ECT 1960 Electrical-Electr Sys+	3	PHYS 2010**	5	Humanities & Arts #	
ECT 2400 Electric Circuits	3	PHYS 2020**	5		3
ECT 2410 Electronic Circuits	3	MATH 1310 <u>or</u> (MATH 1340 & 1350)	5-6		3
ECT 2490 Dig Elec Comp Sys	3	COMM 3060	3		
ECT 3000 Elec Mach Ctrls	3	STAT 2000	3	Social & Behavioral Sciences #	
ECT 3100 Program Logic Ctrls	3	TECH 3020**	3		3
ECT 3410 Electronic Devices	3				3
ECT 3440 Comm Circuits	3	Business (Select)	12 HRS		
ECT 3490 Digital Comp Analysis	3	MKT 3000 (prereq ECON 2000**)	3	Cultural Diversity in U.S. #	
ECT 3860 Dig Comm Netwrks I	3	MKT 4420	3		3
ECT 4410 Instrumentation	3	ACCT 2000	3		
ECT 4450 Communications Sys	3	MGMT 3000 (prereq STAT 2120)	3	Core Elective #	
ECT 4530 Digital Comm Ctrls	3	MGMT 3050 <u>or</u> MGMT 3600	3		3
ECT 4860 Dig Comm Netwrks II	3	LEGS 3010	3		
ENGT 1100 CAD	3	QS 3600	3		
Technology Electives	6 HRS	** These courses may be used to meet BG Perspective requirements, but hours are counted only once.		* Select one international perspective course.	
ECT 4900 Prob in ECT	3			# See Undergraduate Catalog.	
CS 2020 Objects and Data Abst	3				
CS 2170 Comp Organ	3	+ECT 1960 must be taken before TECH 2890, and must receive a grade of "C" or better			
ECT 3570 Elec Power Trans	3	▪ Matriculation courses are shown in BOLD PRINT			
ECT 4800 Topics in ECT	3				
TECH 4890 Co-op	4				
				Summary	
				Major	59 HRS
				Other required courses	50 HRS
				BG Perspective Core	24 HRS
				Total Minimum Program Hours	124 HRS
				Penalty Hours	___ HRS

Please note: Due to the cooperative education requirement, in order to complete this program in four years, it is necessary for the student to either enroll in co-op hours or course-work during the summer as well as during the academic year. If a student is not able to do so, this program will take five years to complete.