

**ELECTRONICS AND COMPUTER ENGINEERING TECHNOLOGY PROGRAM
COLLEGE OF TECHNOLOGY, ARCHITECTURE and APPLIED ENGINEERING**

Fall 2014

B.S. In ECET

Courses Required For Major		Other Required Courses		BG Perspective Core Courses*	30-32 HRS
Cooperative Education	8 HRS	University	35-36 HRS	GSW 1120	
TECH 2890 Co-op	4	CS 1010	3		3
TECH 3890 Co-op	4	CS 2010	3		
Concentration	51 HRS	MATH 1280	5	Natural Sciences #	
ECET 1960 Electrical-Electr Sys+	3	PHYS 2010**	5		3
ECET 2050 Renewable Energy	3	PHYS 2020**	5		3
ECET 2400 Electric Circuits	3	MATH 1310 or (MATH 1340 & 1350)	5-6		3
ECET 2410 Electronic Circuits	3	COMM 3060	3	Quantitative Literacy (Group E or C or A Rec.)	
ECET 2490 Dig Elec Comp Sys	3	STAT 2000	3		3-5
ECET 3000 Elec Mach Ctrl	3	TECH 3020**	3		
ECET 3100 Program Logic Ctrl	3	Business (Select)	9 HRS	Humanities & Arts #	
ECET 3410 Electronic Devices	3	MKT 3000 (prereq ECON 2000**)	3		3
ECET 3440 Comm Circuits	3	MKT 4420	3		3
ECET 3490 Digital Comp Analysis	3	ACCT 2000	3	Social & Behavioral Sciences #	
ECET 3860 Dig Comm Netwrks I	3	MGMT 3000 (prereq STAT 2120)	3		3
ECET 4410 Instrumentation	3	MGMT 3050 or MGMT 3600	3		3
ECET 4450 Communications Sys	3	LEGS 3010	3		3
ECET 4530 Digital Comm Ctrl	3	QS 3600	3	Cultural Diversity in U.S. #	
ECET 4860 Dig Comm Netwrks II	3	** These courses may be used to meet BG Perspective requirements, but hours are counted only once.			3
ECET 4900 Prob in ECET	3	+ ECET 1960 must be taken before TECH 2890, and must receive a grade of 'C' or better		Core Elective #	
ENGT 1100 CAD	3	• Matriculation courses are shown in BOLD PRINT			3
Technology Electives	3-4 hrs				
CS 2020 Objects and Data Abst	3			* Select one International Perspective course	
CS 2170 Comp Organ	3			# See Undergraduate Catalog	
ECET 3570 Elec Power Trans	3				
ECET 4800 Topics in ECET	3				
TECH 4890 Co-Op	4				
				Total Minimum Program Hours	124 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.