

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

2006-2007

**B.S. In Technology**

<b>Courses Required For Major</b>		<b>Other Required Courses</b>		<b>BG Perspective Core Courses*</b>	
Cooperative Education	12 HRS	University	38-39 HRS		24 HRS
<b>TECH 289 Co-op</b>	<b>4</b>	<b>CS 101</b>	<b>3</b>	Natural Sciences #	
TECH 389 Co-op	4	CS 201	3		3
TECH 489 Co-op	4	<b>ENG 112</b>	<b>3</b>		3
		<b>MATH 128</b>	<b>5</b>	Humanities & Arts #	
Concentration	45 HRS	<b>PHYS 201**</b>	<b>5</b>		3
<b>ECT 196+ Electrical Systems</b>	<b>3</b>	PHYS 202**	5		3
<b>ECT 240 Electric Circuits</b>	<b>3</b>	MATH 131 <u>or</u> (MATH 134 & 135)	5-6		3
<b>ECT 241 Electronic Circuits</b>	<b>3</b>	IPC 306	3	Social & Behavioral Sciences #	
<b>ECT 249 Dig Elec Comp Sys</b>	<b>3</b>	STAT 200	3		3
ECT 300 Elec Mach Ctrls	3	TECH 302**	3		3
ECT 310 Program Logic Ctrls	3				3
ECT 341 Electronic Devices	3	Business (Select)	12 HRS	Cultural Diversity in U.S. #	
ECT 344 Comm Circuits	3	MKT 300 (prereq ECON 200**)	3		3
ECT 349 Digital Comp Analysis	3	MKT 442	3	Core Elective #	
ECT 386 Dig Comm Netwrks I	3	ACCT 200	3		3
ECT 441 Instrumentation	3	MGMT 300 (prereq STAT 212)	3		
ECT 445 Wireless Comm. Syst.	3	MGMT 305 <u>or</u> MGMT 360			3
ECT 453 Digital Comm Ctrls	3	LEGS 301	3		
ECT 486 Dig Comm Netwrks II	3	QS 326	3		
<b>DESN 104 Desn &amp; Eng Gph I</b>	<b>3</b>	** These courses may be used to meet BG Perspective requirements, but hours are counted only once.			
Technology Electives	3 HRS	+ECT 196 must be taken before TECH 289, and must receive a grade of "C" or better			
ECT 490 Prob in ECT	3	▪ Matriculation courses are shown in <b>BOLD PRINT</b>			
CS 202 Objects and Data Abst	3				
CS 217 Comp Organ	3				
DESN 131 CAD I	3				
MFG 428 Automation & CIM	3				
				<u>Summary</u>	
				Major	60 HRS
				Other required courses	50 HRS
				BG Perspective Core	24 HRS
				Total Minimum Program Hours	125 HRS
				Penalty Hours	___ HRS
				Articulation Penalty	___ 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.