

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

2005-2006

**B.S. In Technology**

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