

BGSU Firelands

2012-2013 Electronics and Computer Technology

Associate of Applied Science in Electrical/Electronic
Engineering Technology Degree Program

Students are responsible for adhering to all college and university requirements and policies as stated in the BGSU Undergraduate Catalog. Pre-requisites shown below are for reference only.

Communication		Pre-Req	Cr	T
General Studies Writing GSW 1120 and COMM are required. Based on placement scores, GSW 1100 or GSW 1110 may also be required. No more than 6 hours of GSW 1100/1110/1120 count toward graduation.				
GSW 1100	Intensive Intro. to Academic Writing	placement	5	
GSW 1110	Intro. to Academic Writing	placement	3	
GSW 1120	Academic Writing	placement	3	
COMM 1020 or	Speech Communication		3	
COMM 3060*	Interpersonal Communication		3	

Mathematics and Sciences		Pre-Req	Cr	T
MATH 1280 (or equivalent combinations) and PHYS 2010 are required. Based on placement tests, MATH 90 and/or MATH 95 may also be required. MATH 90 & MATH 95 do not count toward graduation.				
MATH 90	Elementary Algebra	placement	3	
MATH 95	Intermediate Algebra	placement	3	
MATH 1210 and	College Algebra I	placement	3	
MATH 1220 and	College Algebra II (QL)	MATH 1210	3	
MATH 1290	Trigonometry	MATH 1220	2	
OR				
MATH 1200 and	College Algebra (QL)	placement	5	
MATH 1290	Trigonometry	MATH 1200	2	
OR				
MATH 1280	Precalculus Mathematics (QL)	placement	5	
PHYS 2010	College Physics I	Alg & Trig	5	
PHYS 2020* or	College Physics II	PHYS 2010	5	
CHEM 1090/1100 or	Elementary Chemistry/Lab	see catalog	3/1	
CHEM 1250	General Chemistry	see catalog	5	

Each student must complete a sufficient number of electives to earn a minimum of 62 semester hours. At least 15 credit hours must be BGSU courses.
Please check with your advisor for appropriate course selections.

Student Name _____

BGSU ID _____

Student e-mail _____

Advisor: Dr. Philip Weinsier _____

e-mail: philipw@bgsu.edu _____

office: 153 North _____

BG Perspective Curriculum		Pre-Req	Cr	T
Choose two (2) courses from the following areas, with no more than one from each section. Select courses from the list of approved BG Perspective courses in the BGSU Undergraduate Catalog.				
	(H or HI)			
	TECH 3020* recommended (S or SI)			
	(C.)			

Electronics Courses		Pre-Req	Cr	T
ECT 1910	Energy, Power, Instrumentation & Control		3	
ECT 2400	Electric Circuits		3	
ECT 2410	Electronic Circuits	ECT 2400	3	
ECT 2490	Digital Electronic Components & Systems		3	
ECT 2500	R/T Microcomputer Sys for Industrial Control	ECT 2490	4	
ECT 3490	Digital Computer Analysis	ECT 2490	3	

Computer Core		Pre-Req	Cr	T
CST 1810 and CST 2810 are required. Choose two more courses from those listed here.				
CST 1810	Network and Internet Principles	see catalog	3	
CST 2810	Network and Internet Implementation	see catalog	3	
CS 1010*	Intro to Programming (Visual Basic)	see catalog	3	
CS 2010*	Intro to Object-Oriented Programming (C++)	see catalog	3	
CS 2020	Objects and Data Abstractions	"C" in CS 2010	3	
CS 2170	Computer Organization	CS 2010	3	
CST 2750	Microcomputer Systems		3	

Automation & Design Core		Pre-Req	Cr	T
ECT 3100 (or 2480)	Programmable Logic Controllers	ECT 1910 or 1960	3	
ECT 2470 †	Electrical Measurements & Instrumentation	ECT 3100	3	
ENGT 1010	Design & Engineering Graphics I		3	
ENGT 1100	Basic Computer-Aided Design	ENGT 1010	3	

* Students planning to pursue a B.S. degree in Electronics and Computer Technology must also take these courses.

† Taken with CS 2010 as a prerequisite, this course may count towards ECT 4410.

Associate of Applied Science in Electrical/Electronic Engineering Technology
with a major in **Electronics and Computer Technology**
Program Planner for Technical Courses

	<i>Year One</i>	<i>Year Two</i>	<i>Year Three</i>	<i>Year Four</i>
FALL → ECT 1910 ECT 2410 ECT 2490 ECT 3100 ECT 3490 CS 1010/2010 CST 1810				
SPRING → ECT 1910 ECT 2400 ECT 2500 ECT 2470 CS 2020 CST 2750 CST 2810				
SUMMER → 	COMM 3060			

ECT Course Flow Chart

F	S	F	S
1910	→ (1910)	→ 3100	↘
	2400	→ 2410	→ 2470
2490	→ 2500	→ 3490	

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