

# BGSU Firelands

## 2009 - 2010 Electromechanical 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. Prerequisites shown below are for reference only.

Communication	Pre-Req	Cr	T	G
GSW 1120 is 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	
IPC 1020* or	Speech Communication		3	
IPC 3060	Interpersonal Communication		3	

Basic Courses				
MATH 1280 (or equivalent combinations). 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 1120 and	College Algebra I	placement	3	
MATH 1220 and	College Algebra II	MATH 1120	3	
MATH 1290	Trigonometry	MATH 1220	2	
<b>OR</b>				
MATH 1200 and	College Algebra	placement	5	
MATH 1290	Trigonometry	MATH 1200	2	
<b>OR</b>				
MATH 1280	Precalculus Mathematics	see catalog	5	
Choose three (3) courses:				
CS 1010*	Intro to Programming (Visual Basic)	see catalog	3	
CS 2010	Intro to Object-Oriented Progr (C++)	see catalog	3	
CST 2750	Microcomputer Systems		3	
MIS 2000	Intro to Management Info Systems		3	
ENVT 2700	Occupational Safety and Hygiene		3	
ENG 3880 *	Technical Writing	Jr. Standing	3	
TECH 3020 *	Tehcnology Systems in Societies	Jr. Standing	3	
STAT 2000 * #	Applied Statistics		3	
QS 3600 #	Six Sigma Systems	Stat2000 & QS2650	3	

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	G
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)			
	ECON 2000 * recommended (S or SI)			
	(C)			
	PHYS 2010 *			
	*(N)			

Electromechanical Technology Major				
ECT 1910	Energy, Power, Instrumentation & Control		3	
ECT 2400	Electric Circuits		3	
ECT 2490	Digital Electronic Components & Systems		3	
ECT 2410	Electronic Circuits	ECT 2400	3	
ECT 3100 (or 2480)	Programmable Logic Controllers	ECT 1910 or 1960	3	
ECT 2470	Electrical Measurements & Instrumentation	ECT 3100	3	
ECT 3000	Electric Machinery and Controls	ECT 2490	3	
DESN 1040	Design & Engineering Graphics I		3	
ENGT 1100	Basic Computer-Aided Design	DESN 1040	3	
ENGT 2200	Metallic Materials & Processes		3	
ENGT 2300	Fluid Power Transmission	Math 1120/ENGT 2200	3	
MFG 1260	Basic Metrology		1	
QS 2650 #	Introduction to Lean Processes/Systems		3	

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.

# Students wishing to obtain industrial green-belt certification must complete each of these three courses and receive a grade of B or better in each course.

\* Students planning to pursue a B.S. degree in Electromechanical Systems Technology must take these courses.

## Associate of Applied Science in Electrical/Electronic Engineering Technology

with a major in Electromechanical Technology

*Program Planner for Technical Courses*

<i>Program Planner for Technical Courses</i>				
	<i>Year One</i>	<i>Year Two</i>	<i>Year Three</i>	<i>Year Four</i>
<b>FALL</b> →  ECT 1910 ECT 2410 ECT 2490 ECT 3100 MFG 1260 TECH 2230				
<b>SPRING</b> →  ECT 1910 ECT 2400 ECT 3000 ECT 2470 TECH 3230				
<b>SUMMER</b> →				

ECT Course	F	S	F	S
Flow Chart	1910	→ (1910)	→ 3100	→ 3000
		2400	→ 2410	→ 2470
	2490			

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