

**Spring 2021 - current**  
**Associate of Applied Science in Electrical/  
 Electronic Engineering Technology Degree**  
**Electronics and Computer Technology**



**General Requirements**

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**

WRIT 1120 and COMM are required. Based on placement scores, WRIT 1010 and/or WRIT 1110 may also be required.

Hrs	Grade	
3		WRIT 1110 Seminar in Academic Writing
3		WRIT 1120 Seminar in Research Writing
3		COMM 1020 Introduction to Communication <b>or</b> COMM 3060* Interpersonal Communication for Non-Majors

**Mathematics and Sciences**

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

3		MATH 90 Elementary Algebra
3		MATH 95 Intermediate Algebra
3		MATH 1210 College Algebra I <b>and</b>
3		MATH 1220 College Algebra II (QL) <b>and</b>
2		MATH 1290 Trigonometry <b>OR</b>
5		MATH 1200 College Algebra (QL) <b>and</b>
2		MATH 1290 Trigonometry <b>OR</b>
5		MATH 1280 Precalculus Mathematics (QL)
5		PHYS 2010 College Physics I
4-5		PHYS 2020 * College Physics II <b>or</b> CHEM 1090/1100 Elementary Chemistry/Lab <b>or</b> CHEM 1250 General Chemistry

**BG Perspective Curriculum**

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

_____	_____	BGP Elective (H or HI)
_____	_____	BGP Elective (S or SI) TECH 3020 * recommended
_____	_____	BGP Elective (C)

**Electronics Courses**

Hrs	Grade	
3		ECT 1910 Energy, Power, Instrumentation & Control
3		ECT 2400 Electric Circuits
3		ECT 2410 Electronic Circuits
3		ECT 2490 Digital Electronic Components & Systems
4		ECT 2500 R/T Microcomputer Sys for Industrial Control
3		ECT 3490 Digital Computer Analysis

**Computer Core**

CST 1810 and CST 2810 are required. Choose two more courses from those listed.

3		CST 1810 Network and Internet Principles
3		CST 2810 Network and Internet Implementation
3		CS 1010* Introduction to Programming <b>or</b>
3		CS 2010* Intro to Object-Oriented Programming <b>or</b> CS 2020 Objects and Data Abstractions <b>or</b> CS 2170 Computer Organization <b>or</b> CST 2750 Microcomputer Systems

**Automation & Design Care**

3		ECT 3100 Programmable Logic Controllers
3		ECT 2470 ** Electrical Measurements & Instrumentation
3		ENGT 1010 Design & Engineering Graphics I
3		ENGT 1100 Basic Computer-Aided Design

\* Students planning to pursue the Bachelor of Science in Electronics and Computer Technology must also take these courses.

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

*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 immediately before graduation. Please check with your advisor for appropriate course selections.*