

Fall 2022

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 or 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 and
3		MATH 1220 College Algebra II (QL) and
2		MATH 1290 Trigonometry OR
5		MATH 1200 College Algebra (QL) and
2		MATH 1290 Trigonometry OR
5		MATH 1280 Precalculus Mathematics (QL)
5		PHYS 2010 College Physics I
4-5		PHYS 2020 * College Physics II or CHEM 1090/1100 Elementary Chemistry/Lab or 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 or
3		CS 2010* Intro to Object-Oriented Programming or CS 2020 Objects and Data Abstractions or CS 2170 Computer Organization or 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.