

## Electronics and Computer Engineering Technology

**BG PERSPECTIVE (BGP) REQUIREMENTS:**

Course \_\_\_\_\_ Credits \_\_\_\_\_

**Must complete at least 1 course in each of the following:**

English Composition and Oral Communication  
\_\_\_\_\_

Quantitative Literacy  
\_\_\_\_\_

**Must complete at least 2 courses in each of the following:**

Humanities and the Arts  
\_\_\_\_\_  
\_\_\_\_\_

Natural Sciences - at least one Lab Science required  
\_\_\_\_\_  
\_\_\_\_\_

Social and Behavioral Sciences  
\_\_\_\_\_  
\_\_\_\_\_

**Complete total required BGP credit hours by selecting courses from any of the above categories:**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**UNIVERSITY REQUIREMENTS**

Note: Designated courses in the Humanities and the Arts, and the Social and Behavioral Sciences domains may be used to fulfill both a BGP requirement and one of the following university requirements:

Cultural Diversity in the U.S. \_\_\_\_\_

International Perspective \_\_\_\_\_

Composition Requirement:

\_\_\_\_\_ WRIT 1120 Research Writing \_\_\_\_\_

*Total BGP Credits: Must be at least 36*

\*\* These courses may be used to meet BG Perspective requirements, but hours are counted only once.

# See the Undergraduate Catalog

+ ECET 1960 must be taken before TECH 2890, and must receive a grade of C or higher.

- Matriculation courses are shown in **BOLD PRINT**.

**NOTES:**

- 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 coursework 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.

**Courses Required for Major**

**Cooperative Education 8 Hrs**

\_\_\_\_\_ **TECH 2890 Co-op 4**

\_\_\_\_\_ TECH 3890 Co-op 4

**Concentration 51 Hrs**

\_\_\_\_\_ **ECET 1960 Electrical-Electr Sys+ 3**

\_\_\_\_\_ ECET 2050 Renewable Energy 3

\_\_\_\_\_ **ECET 2400 Electric Circuits 3**

\_\_\_\_\_ **ECET 2410 Electronic Circuits 3**

\_\_\_\_\_ **ECET 2490 Dig Elec Comp Sys 3**

\_\_\_\_\_ ECET 3000 Elec Mach Ctrls 3

\_\_\_\_\_ ECET 3100 Program Logic Ctrls 3

\_\_\_\_\_ ECET 3410 Electronic Devices 3

\_\_\_\_\_ ECET 3440 Comm Circuits 3

\_\_\_\_\_ ECET 3490 Digital Comp Analysis 3

\_\_\_\_\_ ECET 3860 Dig Comm Networks I 3

\_\_\_\_\_ ECET 4410 Instrumentation 3

\_\_\_\_\_ ECET 4450 Wireless Commun Systems 3

\_\_\_\_\_ ECET 4530 Digital Comm Ctrls 3

\_\_\_\_\_ ECET 4860 Dig Comm Networks II 3

\_\_\_\_\_ ECET 4900 Prob in ECET 3

\_\_\_\_\_ **ENGT 1100 CAD 3**

**Technology Electives 3-4 Hrs**

\_\_\_\_\_ CS 2020 Objects and Data Abst 3

\_\_\_\_\_ CS 2170 Computer Organization 3

\_\_\_\_\_ ECET 3570 Electric Power Trans 3

\_\_\_\_\_ ECET 4800 Topics in ECET 3

\_\_\_\_\_ TECH 4890 Co-op 4

**Other Required Courses**

**University 35-36 Hrs**

\_\_\_\_\_ **CS 1010 3**

\_\_\_\_\_ CS 2010 3

\_\_\_\_\_ **MATH 1280\*\* 5**

\_\_\_\_\_ **PHYS 2010\*\* 5**

\_\_\_\_\_ PHYS 2020\*\* 5

\_\_\_\_\_ MATH 1310\*\*or 1340\*\*+1350 5-6

\_\_\_\_\_ COMM 3060 3

\_\_\_\_\_ STAT 2000\*\* 3

\_\_\_\_\_ TECH 3020 3

**Business (Select) 9 Hrs**

\_\_\_\_\_ MKT 3000 (prereq ECON 2000\*\*) 3

\_\_\_\_\_ MKT 4420 3

\_\_\_\_\_ ACCT 2000 3

\_\_\_\_\_ MGMT 3000 (prereq STAT 2120) 3

\_\_\_\_\_ MGMT 3050 or MGMT 3600 3

\_\_\_\_\_ LEGS 3010 3

**Total Minimum Program Hours 124**

Important information on the back.

## **College of Technology, Architecture and Applied Engineering**

### **General Information for all students in the College**

In addition to completing all requirements on the checksheet, students are responsible for:

#### **Matriculation**

Full admittance to a major in a College of Technology, Architecture and Applied Engineering program will become effective when a student has:

1. Attained an overall BGSU grade point average of at least 2.25 for all courses taken prior to applying for matriculation and a 2.5 in courses in the major;
2. Completed a cooperative education experience—TECH 2890 (Aviation Studies, Architecture, LDT and QS majors are exempt from this requirement);
3. Completed with a grade of “C” or better in all bold courses , as specified on program checksheets;
4. Applied for matriculation. Applications are available from the Undergraduate Student Services Office.

The steps listed above must be completed before students will be permitted to register for 3000- and 4000-level courses in the College of Technology, Architecture and Applied Engineering.

#### **Co-op**

All students in the College are required to complete 2 or 3 co-ops, depending on your major. **THIS IS A COURSE.** It carries credit and is graded. It is full time (40 hrs/week) for the entire semester or part-time (20 hrs/week) for two consecutive semesters, paid and must be directly related to your major. All students **MUST** complete the Co-op Orientation.

#### **Email**

Official University email accounts are required for all BGSU students. Official BGSU email addresses are in the form: BGSUusername@bgsu.edu. At the time of admission or initial registration, all students will receive a bgsu.edu email account. Students may anticipate that official University correspondence will be sent to this email account and they should access BGSU email on a regular and timely basis. All correspondence from Undergraduate Student Services will be sent to your BGSU email.

#### **Checksheet**

The checksheet should be used in conjunction with the degree audit and advising to track progress toward degree completion.