

**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 must be in the management/business area.

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

# See the Undergraduate Catalog, [www.bgsu.edu/catalog](http://www.bgsu.edu/catalog)

**NOTES:**

- Matriculation courses are shown in **BOLD PRINT** and must be completed with a grade of **C or better**.
- 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**

<b>Cooperative Education</b>	<b>12 Hrs</b>
_____ <b>TECH 2890 Co-op</b>	4
_____ TECH 3890 Co-op	4
_____ TECH 4890 Co-op	4

<b>Concentration</b>	<b>60 Hrs</b>
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_____ <b>ROBO 1010 Sensors &amp; Actuators</b>	<b>3</b>
_____ ROBO 2080 Industrial Robotics & Automation	3
_____ ROBO 4500 Senior Design Project	3
_____ ECET 1960 Electrical-Electronic Systems	3
_____ <b>ECET 2400 Electric Circuits</b>	<b>3</b>
_____ ECET 2410 Electronic Circuits	3
_____ ECET 2490 Dig Elec Comp & Sys (prereq ECET 1960)	3
_____ ECET 3000 Electrical Machinery	3
_____ ECET 3100 Prog Logic Controllers	3
_____ ECET 3490 Digital Computer Analysis	3
_____ ECET 4410 Instrumentation	3
_____ ECET 4530 Dig Comp Proc Cnt	3
_____ <b>ENGT 1100 Computer Aided Design</b>	<b>3</b>
_____ ENGT 2100 Solid Modeling	3
_____ ENGT 2200 Met Mtl's & Proc	3
_____ ENGT 2400 Stat/Strength of Mat	3
_____ ENGT 2480 Dynamics	3
_____ ENGT 3480 Thermodynamics	3
_____ ENGT 4000 Adv. Modeling, Sim & Analysis	3
_____ QS 3550 Foundations of Lean <b>OR</b>	<b>3</b>
_____ QS 3710 Six Sigma Systems	3

**Other Required Courses**

	<b>32-33 Hrs</b>
_____ CS 2010	3
_____ ENG 3880	3
_____ COMM 1020**	3
_____ <b>MATH 1280**</b>	<b>5</b>
_____ MATH 1310** or	5
_____ MATH 1340** & 1350	6
_____ <b>PHYS 2010**</b>	<b>5</b>
_____ PHYS 2020**	5
_____ TECH 3020	3

<b>Business &amp; Management</b>	<b>6 Hrs</b>
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_____ ECON 2000**	3
_____ MATH 2470	3
_____ Elective Non-Tech	3

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## **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 available in Canvas.

#### **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.