

**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  
\_\_\_\_\_  
\_\_\_\_\_

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:

\_\_\_ GSW 1120 Academic Writing \_\_\_\_\_

*Total BGP Credits: Must be at least 36*

Matriculation courses are shown in **bold print**.

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

\*\*\* Any ENGT or QS courses can be used as total of 6 credit hours electives based on faculty advisement; the courses shown are examples.

## QS courses are offered online only.

# See Undergraduate Catalog

**Courses Required for Major**

**Cooperative Education** **12 Hrs**

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

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

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

**Engineering Technology Core** **48 Hrs**

\_\_\_ **ECET 1960 Electrical-Electronics Sys** **or** **3**

\_\_\_ ECT 1910 Energy, Power, Instrument & Contl

\_\_\_ ECET 3100 Programmable Logic Controllers 3

\_\_\_ **ENGT 1020 Intro to Desn & Eng Mgmt** **3**

\_\_\_ **ENGT 1100 Computer Aided Design** **3**

\_\_\_ ENGT 2100 Solid Modeling 3

\_\_\_ **ENGT 2200 Met Materials & Processes** **3**

\_\_\_ ENGT 2400 Statics 3

\_\_\_ ENGT 2480 Dynamics 3

\_\_\_ ENGT 3200 CAM & Rapid Prototyping 3

\_\_\_ ENGT 3250 Sustainable Technologies 3

\_\_\_ ENGT 2300 Fluid Power Transmission 3

\_\_\_ ENGT 3400 Props & Test. of Eng. Materials 3

\_\_\_ ENGT 3480 Thermodynamics 3

\_\_\_ ENGT 3500 Metrology and GD&T 3

\_\_\_ QS 3550 Foundations of Lean 3

\_\_\_ QS 3710 Six Sigma Systems 3

**Select only one Specialization**

**Mechanical Design** **9 Hrs**

\_\_\_ ENGT 2250 Machine Design 3

\_\_\_ ENGT 4000 Adv Modeling, Sim & Analysis 3

\_\_\_ ENGT 4500 Design Methodologies 3

**Quality Systems ##** **9 Hrs**

\_\_\_ QS 3610 Auditing Change Services 3

\_\_\_ QS 4600 Synchronous Quality Planning 3

\_\_\_ QS 4700 Kaizen Project 3

**Technical Electives\*\*\*** **3 Hrs**

\_\_\_ Electives by Advisement 3

**Other Required Courses**

**University** **27-30 Hrs**

\_\_\_ ENG 3880 (or ENG 2900) 3

\_\_\_ TECH 3020 3

\_\_\_ **MATH 1280\*\* or 1300\*\* or Equiv** **3-5**

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

\_\_\_ **PHYS 2010\*\* or 2110\*\*** **5**

\_\_\_ PHYS 2020\*\* or 2120\*\* 5

\_\_\_ COMM 1020\*\* or 3060 3

**Business** **9 Hrs**

\_\_\_ **STAT 2000\*\* or higher** **3**

\_\_\_ ECON 2000 \*\* 3

\_\_\_ MGMT 3050 3

**Electives (Non-Tech only)** **3 Hrs**

**Total Minimum Program Hours** **124**

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

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

In addition to completing all requirements on the checklist, 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 check sheets;
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 checklist should be used in conjunction with the degree audit and advising to track progress toward degree completion.