

**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*

Matriculation courses are in **BOLD** Print.

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

# See the Undergraduate Catalog

## QS courses are offered on-line only.

**Courses Required for Major**

**Cooperative Education** **8-12 Hrs**

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

\_\_\_\_\_ TECH 3890 Co-op or TECH 4950 4

\_\_\_\_\_ TECH 4890 Co-op or TECH 4950 (optional) 4

**Aviation Core** **30 Hrs**

\_\_\_\_\_ **AERT 2150 Aviation Ground Operations** **3**

\_\_\_\_\_ **AERT 2240 Air Traffic Control** **3**

\_\_\_\_\_ AERT 3000 Air Transportation 3

\_\_\_\_\_ AERT 3490 Aviation Law 3

\_\_\_\_\_ AERT 3540 Aviation Management 3

\_\_\_\_\_ AERT 4040 Adv Aerodynamics 3

\_\_\_\_\_ AERT 4050 Aircraft Systems 3

\_\_\_\_\_ AERT 4600 Safety Mgmt Systems 3

\_\_\_\_\_ AERT 4680 Business Aviation 3

\_\_\_\_\_ ECT 1960 Electrical-Electronic Systems 3

**Engineering Technology Core** **33 Hrs**

\_\_\_\_\_ **ENGT 1020 Intro to Eng Tech** **3**

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

\_\_\_\_\_ ENGT 2100 Solid Modeling 3

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

\_\_\_\_\_ ENGT 2250 Machine Design 3

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

\_\_\_\_\_ ENGT 2400 Statics & Strengths of Materials 3

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

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

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

\_\_\_\_\_ ENGT 4500 Capstone Design Project 3

**Other Required Courses**

**University** **24-27 Hrs**

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

\_\_\_\_\_ **MATH 1280\*\* or 1300\*\* Precalc or Equivalent** **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 Related** **9 Hrs**

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

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

\_\_\_\_\_ QS 3710 Auditing Change Systems## 3

**Technical Electives (by advisement)** **6 Hrs**

\_\_\_\_\_ ELECTIVE @ 3

\_\_\_\_\_ ELECTIVE @ 3

For TECH Electives, choose at least two courses 3000 level and above:

@ AERT 2000-4990; ARCH 2360, 2710, 3360, 3370; CONS 3000-4990;

ECT 1910-4990; ENGT 2000-4990; QS 3000-4990; TECH 3020, 4000, 4300, 4310,

4330; TECH 4800, 4890; TE 2520

**Total Minimum Program Hours** **124 Hrs.**

## **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.