

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.