

**College of Engineering  
The University of Georgia**

**1.0 Entrance Requirements and High-Demand Engineering Major Requirements for Admittance into Major**

All students wishing to pursue a Bachelor's degree in one of the following eight undergraduate degree programs offered by the College of Engineering will be admitted to the University of Georgia as Intended Majors:

- Agricultural Engineering (B.S.A.E.)
- Biochemical Engineering (B.S.Bch.E.)
- Biological Engineering (B.S.B.E.)
- Civil Engineering (B.S.C.E.)
- Computer Systems Engineering (B.S.C.S.E.)
- Electrical and Electronics Engineering (B.S.E.E.)
- Environmental Engineering (B.S.Env.E.)
- Mechanical Engineering (B.S.M.E.)

These students may apply for admittance into their chosen degree program after satisfying entrance and high-demand engineering major requirements.

**1.1 Procedure Overview**

Highlights of the selection process are as follows:

- Students will apply for formal admission to an engineering degree program/major typically during their third semester.
- To gain admittance into the degree of their choice, students must first satisfy the entrance requirements into the major provided in Section 1.1.1. Specifically, students must possess a grade of C or better in each of the courses listed in order to proceed to the high-demand engineering major selection process. The entrance requirements listed below are the same for all eight engineering undergraduate majors.
- Students satisfying the entrance requirements will be ranked and compared against other students within their primary intended major based upon the cumulative grades from those courses included as entrance requirements (Section 1.1.1) and major-specific courses (Section 1.1.2) typically taken within a program's first four semesters.
- On the Application to Major form, the student may indicate up to two alternate engineering majors for admittance consideration if they are not admitted into their primary major of choice.

**1.1.1 Entrance Requirements**

Students must possess a grade of C or better in each of the following four courses taken at the University of Georgia or at another institution. If taken at another institution, these courses must be considered equivalent to those offered by the University of Georgia. This requirement is considered to be satisfied for courses given credit or placement by UGA.

- MATH 2250 or MATH 2300H or MATH 2400H
- MATH 2260 or MATH 2410H

- PHYS 1251 or PHYS 1211 or PHYS 1311
- ENGL 1101

### **1.1.2 High-Demand Engineering Major-Specific Coursework**

Students interested in applying to one of the eight undergraduate engineering majors will be required to take the courses listed for that major. The grades earned in these courses will be used in ranking students for admittance into a specific major. Students are encouraged to select alternate majors from the same grouping as their primary major in order to avoid a delay in graduation. If a student selects an alternate major outside the grouping of their primary major, then the additional degree program requirements must be completed before submitting the application.

Students applying for Agricultural Engineering, Civil Engineering, Environmental Engineering, or Mechanical Engineering must take the following courses:

- ENGR 1120
- ENGR 1140
- ENGR 2120

Students applying for Biological Engineering or Biochemical Engineering must take the following courses:

- BIOL 1107
- CHEM 1212
- ENGR 2120

Students applying for Computer Systems Engineering and Electrical and Electronics Engineering must take the following courses:

- CSEE 2220
- CSEE 2210 or ELEE1030
- CSCI 1302 or ENGR 2120

### **1.1.3 Application and Personal Statement of Purpose**

To gain admittance into the degree program, the student will prepare a formal application. The application will include a personal statement of purpose, any experience that the student feels would be relevant to the selection process (such as internships) and their overall career goals. In the application, the student will indicate their first, second, and third choice for their engineering major, although listing a second or third alternate besides their primary selection is not required.

## **1.2 Method for Ranking of Students and Selection in a Degree Program**

Within each degree program, those students who have satisfied the entrance requirements of Section 1.1.1 and who have selected the degree as one of their top three choices will be ranked based on their cumulative GPA obtained from the list of courses in Section 1.1.1 and Section 1.1.2. The personal statement of purpose reflecting evidence of student's motivation, commitment, and responsibility will be considered holistically along with above criteria in determining student ranking. Working with the College of Engineering academic office, each degree program coordinator will determine the number of students that can be admitted to that

program for a given academic year. The number of students that can be admitted will be based on the constraints of the number of faculty and other resources such as laboratory space, etc.

The program coordinators for each degree will jointly decide on the selection of students into the various degree programs, factoring in the student rankings and the student's selection of preferred plus alternate engineering majors as well as the number of openings available for that year in each major.

Students who are denied entry into their chosen major will have the right to appeal to the College of Engineering Office of Academic Programs. The College of Engineering will accept applications for high demand majors each semester. Students have the option to reapply in subsequent semesters if they are not admitted to the major of their choice. Reapplication does not guarantee them admittance into the major.

*Approved with friendly amendments by the University Curriculum Committee on April 17, 2015.*