



University Council

March 16, 2018

UNIVERSITY CURRICULUM COMMITTEE – 2017-2018

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Graduate School – Dr. Amy Medlock
Ex-Officio - Provost Pamela S. Whitten
Undergraduate Student Representative – Mr. Max Harris
Graduate Student Representative – Ms. Johnita Daniel

Dear Colleagues:

The attached proposal to revise the high-demand selection criteria for the following undergraduate majors in the College of Engineering will be an agenda item for the March 23, 2018, Full University Curriculum Committee meeting:

- 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.)

Sincerely,

Alison F. Alexander, Chair
University Curriculum Committee

cc: Provost Pamela S. Whitten
Dr. Rahul Shrivastav

Proposal with Revisions

The following High-Demand Major Selection Criteria for this major will be effective for students entering the major beginning fall 2016.*

UGA College of Engineering High-Demand Majors

Eligibility and Admissions Procedures

To be eligible to apply to a high-demand College of Engineering major, students must maintain good academic standing during the semester of application. Students may indicate their first and second and third choices for their desired engineering major, although listing a second or third alternate besides their primary selection choice is not required. Major-specific courses required for the first and second major choices must be completed and/or in progress during the term in which a high-demand major application is submitted.

There is no guarantee of acceptance to any major in the College of Engineering.

Selection of applicants is based on a review of student scores and achievements in the following three areas:

I. Grades in General Education Courses for all the degree programs and students (must be completed the following courses with a grade of "C" or better):

- MATH 2250 or MATH 2300H or MATH 2400H
- MATH 2260 or MATH 2410H
- PHYS 1251 or PHYS 1211 and PHYS 1211L or PHYS 1311 and PHYS 1311L
- ENGL 1101

II. Grades in Major-Specific Courses (must be completed with a grade of "C" or better):

Agricultural Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Environmental Engineering (B.S.Env.E.), or Mechanical Engineering (B.S.M.E.):
ENGR 1120 or equivalent; ENGR 1140 or equivalent; and ENGR 2120 or equivalent

Biological Engineering (B.S.B.E.) or Biochemical Engineering (B.S.Bch.E.): BIOL 1107 or equivalent; CHEM 1212 and CHEM 1212L or equivalent; ENGR 2120 or equivalent

Computer Systems Engineering (B.S.C.S.E.) or Electrical and Electronics Engineering (B.S.E.E.): CSEE 2220 or equivalent; CSEE 2210 or ELEE 1030 or equivalent; and CSCI 1302 or ENGR 2120 or equivalent

III. Statement of Purpose

Each student should must submit a personal statement of purpose that describes his or her interest in a major and any experience(s) that the student feels would be relevant to the selection process (such as internships) and their future career goals.

*** Students who began a College of Engineering undergraduate major prior to fall 2016 and do not maintain continuous enrollment in a College of Engineering major will be subject to High-Demand Major requirement.**

The following High-Demand Major Selection Criteria for this major will be effective for students entering the major beginning fall 2016.*

UGA College of Engineering High-Demand Majors

Eligibility and Admissions Procedures

To be eligible to apply to a high-demand College of Engineering major, students must maintain good academic standing during the semester of application. Students may indicate their first and second choices for their desired engineering major, although listing a second choice is not required. Major-specific courses required for the first and second major choices must be completed and/or in progress during the term in which a high-demand major application is submitted.

There is no guarantee of acceptance to any major in the College of Engineering.

Selection of applicants is based on a review of student scores and achievements in the following **three** areas:

I. Grades in General Education Courses for all the degree programs (must be completed with a grade of "C" or better):

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- MATH 2260 or MATH 2410H
- PHYS 1251 or PHYS 1211 and PHYS 1211L or PHYS 1311 and PHYS 1311L
- ENGL 1101

II. Grades in Major-Specific Courses (must be completed with a grade of "C" or better):

Agricultural Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Environmental Engineering (B.S.Env.E.), or Mechanical Engineering (B.S.M.E.):
ENGR 1120 or equivalent; ENGR 1140 or equivalent; and ENGR 2120 or equivalent

Biological Engineering (B.S.B.E.) or Biochemical Engineering (B.S.Bch.E.): BIOL 1107 or equivalent; CHEM 1212 and CHEM 1212L or equivalent; ENGR 2120 or equivalent

Computer Systems Engineering (B.S.C.S.E.) or Electrical and Electronics Engineering (B.S.E.E.): CSEE 2220 or equivalent; CSEE 2210 or ELEE 1030 or equivalent; and CSCI 1302 or ENGR 2120 or equivalent

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Each student must submit a personal statement of purpose that describes his or her interest in a major and any experience(s) that the student feels would be relevant to the selection process (such as internships) and their future career goals.

*Students who began a College of Engineering undergraduate major prior to fall 2016 and do not maintain continuous enrollment in a College of Engineering major will be subject to the High-Demand Major requirements.

Approvals on File

Proposal: Revise the High-Demand Selection Criteria for the following undergraduate majors from the College of Engineering:

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.)

College: College of Engineering

Proposed Effective Term: Fall 2018

School/College:

- College of Engineering Associate Dean, Dr. Ramana Pidaparti, 3/7/2018