

BS/MS Early Admission Programs in Bioengineering
College of Engineering
University of Toledo

The purpose of the BS/MS pipeline program is to allow exceptional undergraduate students to get a head start on their MS curriculum requirements, potentially reducing the time for completion of the MS degree by a full semester. The BS/MS program is structured to allow undergraduate students to register for graduate level courses, those typically taken in the first year of the MS in bioengineering, while paying undergraduate tuition. Approved courses will be count toward both the BS and MS degrees or will count solely toward the MS degree.

The BS/MS program must include 150 unique credit hours (i.e. 120 cr hr BS and 30 cr hr MS). Since the BS in Bioengineering requires 128 cr hr, two 3 cr hr courses taken at the graduate level may be counted toward the requirements for both the BS and MS degrees with no extra coursework required. A maximum of 9 cr hr of graduate level coursework may be taken while completing the undergraduate degree requirements, whether or not these courses are counted toward the BS degree requirements.

Early Admission program - BS/MS in Bioengineering

Undergraduate students accepted in the early admission BS/MS in Bioengineering program will be admitted to the MS in bioengineering and allowed to complete up to three graduate level classes (nine credit hours) during their final academic year (last two semesters) of undergraduate studies. They will then continue in the MS in Bioengineering graduate program upon completion of the undergraduate degree requirements. The graduate coursework (up to nine hours) will be applied to completion of both BS in Bioengineering and MS in Bioengineering degree requirements. It is the joint responsibility of the graduate and undergraduate program directors in Bioengineering to supervise students admitted to the early admission program option, to ensure that the limit of nine hours taken as an undergraduate is strictly enforced and to request that the College of Graduate Studies change each student's matriculation from Undergraduate to Graduate when they meet all undergraduate degree requirements (at the end of the BS degree program).

Proposed effective term: Spring 2018

The following provisions apply for classes taken for graduate credit.

1. Only graduate-level classes taken at The University of Toledo after the student is accepted in the BS/MS in Bioengineering early admission program will count toward both degree requirements.
2. Prior to registration for graduate level courses, a list of up to 6 courses for the MS program that may be included in the approved nine (9) credit hours of graduate coursework taken as an undergraduate must be sent to the COGS.
3. Permission of the Chair of each department in which graduate credit is desired must also be obtained.

Eligibility requirements

To be eligible to apply for the BS/MS early admission program, students must have:

1. A minimum of 3.3 cumulative undergraduate grade point average at the time of application that includes undergraduate credits earned at other institutions and transferred to UT;

2. Completed at least 2 of the 3 mandatory co-op rotations;
3. No more than two semesters of coursework remaining; and
4. Written approval of the BIOE Undergraduate and Graduate Program Directors.

Application process

Application to the BS/MS early admission program includes: 1) a letter of interest; 2) a completed graduate admission application; 3) at least 2 letters of recommendation from faculty members. Submitted applications will be reviewed for program admission by the Bioengineering Graduate Committee.

Rationale

The BS/MS early admission program allows students to obtain a significant head start on their graduate degree in the MS in Bioengineering program, accelerate the initiation of/alignment with area of concentration within their graduate program, and may realize financial savings while completing their graduate program.

Logistics

The Bioengineering Assistant Director of Department Student Services (ADDSS) will forward to the Graduate School Admissions Office the name of each student that desires to take graduate courses for graduate credit. The Graduate School will make the appropriate arrangements with the Registrar's Office to allow the student to register for graduate credit. A student admitted to a combined degree program will be admitted as a provisional graduate student to the College of Graduate Studies, pending completion of the requirements for the bachelor's degree.

A student accepted into the early admission program will have a 2nd major (associated with the pipeline program) added in Banner. This Banner code has a graduate attribute allowing student tracking. The registrar copies the courses from the Graduate transcript to the Undergraduate transcript with a notation that indicates the pipeline program. Financial Aid then recognizes these as courses that can be applied to the Undergraduate degree.

Important items to note – UT does not combine levels on a transcript. A student receives a transcript showing all undergraduate coursework and graduate coursework separately. UT does not mix coursework or GPA. A notation could be added to the transcripts indicating the student has completed a portion of their undergraduate degree at the graduate level. When a student requests a transcript, he/she will receive transcripts reflecting all work taken. A student cannot request only an undergrad transcript or only a graduate transcript

BS/MS Early Admission Program Checksheet



COLLEGE OF ENGINEERING
THE UNIVERSITY OF TOLEDO

Participation in the BS/MS Early Admission Program requires three steps:

- verification of eligibility;
- submission of a completed application to the UT College of Graduate Studies and admission to the program; and
- selection of coursework to be taken for graduate credit.

Eligibility

The following information is used to determine your eligibility for the program. You should have no more than two semesters of coursework remaining to complete the BS degree requirements.

- Name and Rocket number: _____
- Credit hours needed to complete the BS degree requirements: _____
- Expected term of BS degree completion (i.e. 201940): _____
- Current GPA (minimum 3.3 undergraduate higher ed. GPA required): _____
- Number of completed co-op rotations: _____
If only 2 co-ops have been completed, when will the last co-op be completed? _____

Approvals: _____
 BIOE Undergraduate Program Director BIOE Graduate Program Director

Application

The following application materials are required for the BS/MS early admission program:

- Letter of interest
- Application for admission to the College of Graduate Studies for the MS in Bioengineering
- At least two (2) letters of recommendation from faculty members.

Date application was submitted: _____

Coursework plan

Please select in consultation with the ADDSS 3 courses (9 cr hr) from the below list that will be taken at the graduate level. Note: Only 9 cr hrs may be taken for graduate credit in the BS/MS early admission program with a maximum of 3 hrs selected from the BIOE 5980 Special Topics category. Approval signatures should be obtained after application materials are submitted and you are admitted to the program.

| Alpha code | Course number | Title | Approval of Dept. Chair |
|------------|---------------|---|-------------------------|
| BIOE | 5260 | Medical Imaging Systems I | |
| MIME | 6000 | Advanced Engineering Mathematics I | |
| BIOE | 5980 | Special Topics (e.g. Biophotonics or Other) | |
| BIOE | 6100 | Computational Physiology | |
| BIOE | 6520 | Orthopaedic Biomechanics | |
| BIOE | 6310 | Biochemical Engineering Principles | |

Return this completed form to your department ADDSS. A copy of this form must be sent by your department to the College of Engineering Office of Graduate Studies and Research and the UT College of Graduate Studies. This form must be processed by COGS prior to registration for graduate level courses.