

Combined BS/MS Degree Program in the Department of Biomedical, Industrial & Human Factors Engineering at Wright State University

The Department of Biomedical, Industrial & Human Factors Engineering offers three combined BS/MS degree programs, which allows eligible students to receive both a BS and an MS degree in 5 years. Established combined degree programs include:

- BS Biomedical Engineering/MS Biomedical Engineering
- BS Biomedical Engineering/MS Industrial and Human Factors Engineering
- BS Industrial and Systems Engineering/MS Industrial and Human Factors Engineering

Admission Process

In the junior year, typically when between 60 and 30 hours are remaining for completion of the BS degree, a student interested in pursuing a combined BS/MS degree should submit the Application to a Combined Degree Program (page 3 of this document) to the Academic Programming Director (Jennifer.walsh@wright.edu). Along with the application, the applicant is required to submit a graduate Program of Study. During the application review, eligibility will be verified and the graduate program of study will be reviewed. Once approved, both documents will be sent to the Graduate School and the student will be enrolled in the 4+1 BS/MS program.

Eligibility Requirements

The student must have (1) completed at least 75 semester credits of the course work required for the BS degree before the semester in which graduate work will begin, (2) achieved a cumulative undergraduate GPA of at least 3.3, and (3) earned no grade lower than B in any engineering course, to be admitted into the combined BS/MS program.

Application Deadlines

Applications are due two weeks prior to the end of the semester before the student expects to begin the program (i.e. two weeks before the end of the fall semester for spring admission and two weeks before the end of the spring semester for fall admission).

Admission Status

Once the application is approved in the BIE Department and the Graduate School, until completion of the undergraduate course requirements, the student remains in undergraduate status; however, students will be permitted to register independently for their approved graduate level courses. Following completion of the BS degree, the student will be transitioned to graduate status, provided the student's graduate GPA is 3.0 or higher.

BS/MS Coursework Options

Students can take up to twelve (12) semester hours of graduate courses while in undergraduate status. The first nine (9) semester hours of graduate work will be counted on both the undergraduate and graduate transcripts. An additional three (3) semester hours of graduate work can be taken to count on the graduate transcript only. In other words, students can complete up to 40 percent of their MS degree while still in undergraduate status with a combination of dually counted and additional graduate coursework. Please be sure you understand how your selected graduate coursework will fulfill both BS and MS requirements when you apply to the program.

Graduate Program of Study Requirements

The graduate Program of Study that is submitted at the time of application to the BS/MS program must meet the requirements of the relevant graduate degree program, either BME or IHE. Both programs require 30 semester

hours total. Other requirements exist for discipline-specific coursework (6000- or 7000-level), BIE Department coursework at the 7000-level, and approved coursework in mathematics, computations, or statistics.

Suggestions for developing a graduate Program of Study:

- Use the graduate advising worksheets linked on the Forms page, under Current Students, of the BIE Department website to help you determine your preferred focus area and select courses based on focus area requirements and elective preferences.
- The initial Program of Study is required for the BS/MS combined degree application, but any changes can be resubmitted later as needed.
- The BIE Department Academic Programming Director (Jennifer.walsh@wright.edu) can answer questions you have during this process.

Program Withdrawal

A student admitted to the combined BS/MS program may withdraw from the combined program and continue as a traditional undergraduate student. However, if the student is awarded a BS degree and does not move directly into the graduate program, the graduate credits applied to the BS degree cannot also be applied to the MS degree if the student restarts the graduate program at a later date.

Program Dismissal

Failure to keep a minimum cumulative or discipline-specific undergraduate GPA of 3.0 or to complete the BS requirements within three years of admission to the combined degree program will result in dismissal from the combined BS/MS program.

Students whose graduate GPA is below 3.0 will be required to petition to be admitted conditionally to the Graduate School following the completion of the BS program.

Tuition

Students in the combined BS/MS degree program will pay undergraduate tuition through completion of the BS degree. Upon transition to the Graduate School, students will pay tuition at the graduate level.

Financial Aid

Students are eligible for undergraduate financial aid until completion of the BS requirements. Upon transition to the graduate school, they become eligible for graduate forms of financial aid, including graduate tuition scholarships and graduate assistantships.

Grades and Transcripts

Students will receive both undergraduate and graduate transcripts, from which two separate GPAs will be calculated. Credits that are dually counted will appear on both transcripts.

