

# **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 a combined BS/MS degree program, which allows students to receive both a BS (BME or ISE) and an MS (BME or IHE) degree in 5 years. Up to twelve (12) semester credit hours of 6000-level courses, respectively, may be double counted and applied towards both BS and MS degree requirements.

## **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 combined BS/MS degrees should submit the Application to a Combined Degree Program to the BIE Department. This application requires the signatures of the student's undergraduate advisor, graduate advisor, and Department Chair. Along with the application, the applicant is required to submit a graduate Program of Study, signed by the student's graduate advisor and Department Chair.

## **Admission Requirements**

The student must have (1) completed at least 75 semester credits of the course work required for the BS degree, (2) achieved a cumulative undergraduate GPA of at least 3.3, and (3) no grade lower than B in any BME/ISE 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 6000-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.

## **Undergraduate Program Options**

***BS/MS coursework and other additional graduate coursework taken while in undergraduate status can add up to a maximum of fifteen (15) semester hours, with twelve (12) semester hours maximum in either category (see details below). In other words, students can complete up to one-half of their MS degree while still in undergraduate status with a combination of BS/MS and additional graduate coursework.***

### ***BS/MS coursework while in undergraduate status:***

Any of the 4000-level courses that are part of the student's BS curriculum and are cross-listed at the 6000-level may be taken at the graduate 6000-level and count both towards the BS and MS degrees up to twelve (12) semester hours. These courses will appear on both the undergraduate and graduate transcripts.

### ***Additional graduate coursework while in undergraduate status:***

6000-level graduate courses that are not cross-listed at the undergraduate level and 7000-level graduate courses may also be taken up to twelve (12) semester hours, but these courses will only be counted for graduate credit and cannot be used to fulfill undergraduate degree requirements.

## **Graduate Program of Study Requirements**

The graduate Program of Study that is submitted at the time of application to the BS/MS program must include: 30 semester hours total; 18 semester hours of discipline-specific coursework (6000- or 7000-level); 15 semester hours of 7000-level coursework in the BIE Department; BME/IHE 6010 (1 credit hour); 6 semester hours of approved coursework with mathematics, computer science or statistics content. The graduate program of study should be turned in with the application already signed by the student and the graduate faculty advisor.

### ***Suggestions for developing a graduate Program of Study:***

- Determine your preferred focus area(s) and meet with a faculty advisor in that focus area to get advice about which graduate courses would best suit your interests.
- Do not get bogged down by the credit hour requirements above. Find courses that interest you first and then determine if those courses satisfy the requirements. Oftentimes, students need only a few, if any, adjustments to the draft program of study using this strategy.
- The initial Program of Study is required for the BS/MS application, but any changes can be resubmitted later as needed.

## **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 becomes a graduate student again at a later time, the graduate credits applied to the BS degree cannot also be applied to the MS degree.

## **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.

BS/MS students who complete their BS degree with a 3.7 or higher overall GPA and who take the GRE are eligible to have their tuition funded by the Dean of the College of Engineering & Computer Science.

## **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.

**Application to a Combined Degree Program at Wright State University**  
**Department of Biomedical, Industrial & Human Factors Engineering**

Date Submitted: \_\_\_\_\_ University ID # \_\_\_\_\_

Name: \_\_\_\_\_  
Last First Middle

Email: \_\_\_\_\_

Undergraduate major: \_\_\_\_\_

Combined Program that you are applying to:       BME       IHE

Anticipated first term for graduate coursework:       Fall     Spring     Summer    **20** \_\_\_\_\_

**Applicant must meet all departmental requirements:**

- Total undergraduate credit hours **earned toward BS degree**: \_\_\_\_\_ (minimum 75)
- Current undergraduate GPA at WSU: \_\_\_\_\_ (minimum 3.3 GPA)
- All required BME/ISE courses to date completed with an A or B
- Graduate Program of Study is attached

**Applicant Acknowledgment:**

I certify that to the best of my knowledge the information given above and on record with the university is true. I understand that any misrepresentation of facts in this process, if discovered subsequently, will be cause for refusal of admission, cancellation of admission, or suspension from the university. By signing this application, I agree to abide by the policies of the university and the Graduate School.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Advisor Approvals:**

Undergraduate Advisor: \_\_\_\_\_ Date: \_\_\_\_\_

Graduate Advisor: \_\_\_\_\_ Date: \_\_\_\_\_

**FOR DEPARTMENTAL USE ONLY**

Hours remaining in degree program: \_\_\_\_\_ GPA (overall): \_\_\_\_\_ GPA (CECS courses): \_\_\_\_\_

Confirmed by: \_\_\_\_\_ Date: \_\_\_\_\_

Department Chair/Program Director: \_\_\_\_\_ Date: \_\_\_\_\_

**Please return approved application with graduate program of study to Graduate School, E-344 Student Union**

Graduate School Approval: \_\_\_\_\_ Date: \_\_\_\_\_