

## Combined BS/MS Degree in Aerospace Engineering Student Information Sheet - updated 3/2020

### Admission Requirements:

The combined BS/MS program is open to top aerospace undergraduates whose academic performance is exceptional and who meet the following requirements:

- At least Junior status in department
- GPA of at least 3.6 overall
- Support of an ENAE faculty mentor

### Nominal Schedule:

ACADEMIC YEAR	FALL/SPRING SEMESTER	SUMMER
<b>Junior Year</b>	<ul style="list-style-type: none"> <li>• Submit BS/MS Application</li> </ul>	<ul style="list-style-type: none"> <li>• Start Master's thesis research w/summer internship</li> </ul>
<b>Senior Year</b>	<ul style="list-style-type: none"> <li>• Submit Graduate Application &amp; Combined BS/MS Course Approval Forms (early Fall)</li> <li>• Start taking graduate level courses</li> </ul>	<ul style="list-style-type: none"> <li>• Continue Master's thesis research</li> </ul>
<b>1<sup>st</sup> Year Master's</b>	<ul style="list-style-type: none"> <li>• Finish graduate level courses</li> <li>• Finish Master's thesis</li> </ul>	

### Application Checklist:

- BS/MS Application Form and plan of study
- Submit a copy of your plan of study to the Engineering Undergraduate Advising office (1131 Martin Hall)
- Submit [Combined Bachelor's / Master's Form](#) to the Graduate School (and copy to department)
- Letter of support from an ENAE faculty member
- [Senior Year] Formal application to the Aerospace Engineering Graduate Program

### Additional Details:

The great advantage of this program is that it may shorten the time it takes to complete a MS degree by one to two semesters. This is primarily due to students being allowed to take up to two courses during the senior year which can be double-counted toward both the BS and MS degrees (one graduate aero class for their aerospace elective and an approved technical elective). Students are also encouraged to take an additional course (schedule permitting) beyond their BS requirements that can be included in their MS by filing a [Graduate Credit Permission form](#) (although this course will not double-count).

The ENAE faculty member must agree to serve as the student's mentor for the combined BS/MS program. The faculty member should be interested in hiring the student hourly during the senior year and during the summer preceding it, and should be planning to offer a Research Assistantship (which gives a stipend, full tuition remission, and health benefits) that will begin as soon as the student obtains the Bachelor's Degree.

**For more information:** contact Dr. Alison Flatau, Room 3188 EGR, [aflatau@umd.edu](mailto:aflatau@umd.edu), 5-0305.

**APPLICATION TO THE BS/MS PROGRAM**  
**University of Maryland - Department of Aerospace Engineering**

STUDENT'S NAME: \_\_\_\_\_ STUDENT ID#: \_\_\_\_\_

FACULTY MENTOR FOR THE BS/MS PROGRAM: \_\_\_\_\_

**Plan of Study for the BS/MS Program:** List the 8 courses that will satisfy the 24 credits of coursework necessary for the Master's Degree in Aerospace Engineering. Note, 400-level courses taken during a BS degree that *are not included as part of a BS program* (aside from approved electives) can be counted towards the Master's with your faculty mentor's approval. Maximum of 9 credits (3 courses) at the 400 level, of which not more than 6 credits may be department courses can be taken.

This plan must be approved by your faculty mentor, the Undergraduate Director, and Graduate Director.

COURSE NUMBER	COURSE NAME (DESCRIPTION)	SEMESTER COURSE TAKEN	DOUBLE COUNT (Y/N)

**Statement of Support from ENAE Faculty Mentor:** Please indicate what research area the student will pursue for the Master's degree and indicate your willingness to support the student first as an undergraduate researcher (paid hourly during the summer and the senior year) and then as a graduate research assistant after graduation.

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**Signatures of Approval:**

STUDENT: \_\_\_\_\_ DATE: \_\_\_\_\_

FACULTY MENTOR: \_\_\_\_\_ DATE: \_\_\_\_\_

UNDERGRADUATE DIRECTOR: \_\_\_\_\_ DATE: \_\_\_\_\_

GRADUATE DIRECTOR: \_\_\_\_\_ DATE: \_\_\_\_\_