

# Graduate Program in Mechanical and Aerospace Engineering

## Combined B.S.- M.S./ B.S.-M.Eng. Program in Mechanical and Aerospace Engineering

The Combined B.S.-M.S./ B.S.-M.Eng. program enables top Rutgers undergraduate students to be accepted into our graduate program in an expedited way. In addition, it gives those students the possibility to receive an M.Eng. or an M.S. degree in a shortened time frame.

### Eligibility

Rutgers MAE undergraduates who have a GPA of 3.2 or higher and have completed (or are completing) their sixth semester are eligible to apply to the B.S.-M.S./B.S.-M.Eng. program. Students usually apply during their sixth semester or before their seventh semester.

Eligibility requirements are identical to those for the James J. Slade Scholars Program of the SOE.

Student must have completed 96 credits of coursework at the end of their sixth semester of undergraduate study.

The GRE requirement is waived for students in the B.S.-M.S./B.S.-M.Eng. program. Students should fill out the application form and submit it to the MAE Graduate Office with two letters of recommendation and a personal statement.

Students must have at the time of their application a 3.2 GPA and they must maintain a 3.2 GPA throughout their senior year.

### Study Programs

The B.S.-M.S./B.S.-M.Eng. program provides students with the opportunity to get a Master's degree within a shortened time frame.

This becomes possible if you enroll in the SOE J.J. Slade Scholars Program or take one or more graduate-level courses in the senior year in addition to undergraduate degree requirements. The plan of study in the Graduate School is as follows:

M.Eng.: 30 course credits plus project, report, and oral presentation.

M.S.: 24 course credits plus six research credits plus M.S. thesis and defense.

The following is a recommended study sequence:

- Summer following third year (optional): Apply for a summer internship or fellowship program and begin research/project work.
- Senior year: Enroll in Slade Scholars Program. Take six credits of 650:542 and 650:543, which count as course credits towards M.S./M.Eng. degree. Research can become the thesis topic for the M.S. degree. Students can take graduate courses, if prepared.

- Fifth year: Three courses and three credit hours of research each semester. You can take fewer courses each semester, but this would lengthen the duration of the Master's studies.
- Summer (and perhaps fall) following fifth year: Write M.S. thesis and defend/ write M.Eng. project report and present

Note: Students can change advisors at the end of their fourth year. The Slade Scholar topic does not necessarily have to be the M.S. thesis topic or M.Eng. project topic.

#### Application Procedure

- 1.Fill out the B.S.-M.S./ B.S.-M.Eng. Degree Application Form ([click here for form](#)),
- 2.Attach a copy of your transcript (you can download from web)
- 3.Brief personal statement
- 4.Two letters of recommendation

Once you are admitted and you maintain the requirements discussed earlier, then during the Spring semester of your studies you will receive official notice from the MAE Graduate Program that you have been admitted. You do **not** need to submit a formal application to the Rutgers Office of Graduate and Professional Admissions. Even though you do not submit an application to OGPA, you will receive an official admissions letter from OGPA a few weeks after you are notified by the MAE Dept. That's it!