

## **AE BS/MS Program**

The AE Department offers a combined B.S./M.S. program for currently enrolled WPI undergraduates. The M.S. degree requires the completion of 30 graduate credit hours.

The distribution of credits is as follows:

- 20 graduate credits in Aerospace Engineering
  - A minimum of 2 graduate credits in each of the five AE Curricular Areas: Fluid Dynamics; Propulsion and Energy; Flight Dynamics and Controls; Materials and Structures ; General Aerospace Engineering Topics
  - A maximum of 8 graduate credits in AE Research, of which up to 3 may be in Graduate Internship Experience (AE 5900) and the remaining in Directed Research (AE 5098)
  - 0 graduate credits for four terms in Aerospace Engineering Seminar (AE 5032)
- 10 graduate credits in electives
  - 8 graduate credits in free electives inside or outside AE
  - 2 graduate credits in applied mathematics (MA 501, MA 511, or any other course with the prior approval of AE Graduate Committee)
- For students admitted in the B.S./M.S. program, a maximum of 8 graduate credits may be double counted toward both the undergraduate and graduate degrees. Double counted graduate credits must be in courses, including graduate-level independent study and special topics. A maximum of four 4 out of the 8 credits can be double-counted in 4000-level courses from Engineering, Basic Science or Mathematics. A grade of B or better is required for any course to be double counted toward both degrees.

Acceptance into the B.S./M.S. program signifies approval of the graduate courses listed for credit toward both the undergraduate and graduate degrees.

## **AE BS/MS Program**

The Master of Science degree requires the completion of 30 graduate credit hours. The distribution of credits is as follows:

- 20 graduate credits in Aerospace Engineering
  - A minimum of 2 graduate credits in each of the five AE Curricular Areas: Fluid Dynamics; Propulsion and Energy; Flight Dynamics and Controls; Materials and Structures ; General Aerospace Engineering Topics
  - A maximum of 8 graduate credits in AE Research, of which up to 3 may be in Graduate Internship Experience (AE 5900) and the remaining in Directed Research (AE 5098)
  - 0 graduate credits for four terms in Aerospace Engineering Seminar (AE 5032)
- 10 graduate credits in electives
  - 8 graduate credits in free electives inside or outside AE
  - 2 graduate credits in applied mathematics (MA 501, MA 511 or any other course with the prior approval of AE graduate committee)

TOTAL 30 Credits