AEROSPACE ENGINEERING, BS-MS

for the joint degree of Bachelor of Science Major in Aerospace Engineering and Master of Science in Aerospace Engineering

department catalog page: Aerospace Engineering (http://catalog.illinois.edu/engineer/aero)
department website: https://www.ae.illinois.edu/
department faculty: Aerospace Engineering Faculty (https://ae.illinois.edu/directory/faculty)
overview of college admissions & requirements: Engineering (http://catalog.illinois.edu/engineer)
college website: https://engineering.illinois.edu/
email: aerospace@illinois.edu

The joint B.S.-M.S. program in AE combines two degrees: a B.S. in AE with a M.S. in AE. Current Illinois AE students enrolled in the CoE with junior standing (normally at least 90 credit hours, including those in process, and at least one year of undergraduate coursework remaining) who maintain superior academic performance are eligible to apply for this program. The program is designed to broaden a student’s knowledge beyond that in the standard four-year curriculum. Students admitted to the program will receive both degrees once all requirements for both the B.S.-M.S. degree have been successfully completed.

Admission

For deadlines and procedures, consult the department web site. Current Illinois AE students can apply after they complete their junior-level courses, but before they start their senior year. Students with an overall GPA of at least 3.40 may apply for admission to the program. Admission decisions are based on overall academic performance, letters of reference, and statement of purpose. The GRE general test is not required.

Students provisionally admitted to the program:

• must continue to maintain a graduate GPA of 3.00 or better in order to remain in the combined program.

Withdrawal

Students may withdraw from the program at any time by notifying the AE Undergraduate Programs Office. Students who do not complete all 5-year B.S.-M.S. degree program requirements may request by petition to have graduate hours earned converted to undergraduate hours and applied toward a traditional B.S. in AE degree. Students reverting to a traditional B.S. degree program must complete 128 hours and satisfy all degree requirements. Graduate credit not used to fulfill the B.S. degree requirements will remain on the transcript and may, at some future point, be considered for transfer to another degree program.

Course Requirements

B.S. Component (121 hours)

• Same required courses as the traditional B.S. degree with minimum hours required reduced from 128 to 121.
• The reduction of 7 credit hours includes:
  a. 4 hours in Free Electives in both AE curricula
  b. 3 hours in other non-AE Technical Electives
• Overall GPA of 3.40 must be maintained through completion of B.S. component of the program.
• Students can apply after they complete their junior-level courses, but before they start their senior year.
• Illinois undergraduate student minimum residence requirement must be satisfied.

At the graduate level, requirements are identical for both the M.S. Non-Thesis Track (http://catalog.illinois.edu/graduate/graduate-majors/aero-engin/ms-aero-engin) (32 additional hours of coursework) and the M.S. Thesis Track (http://catalog.illinois.edu/graduate/graduate-majors/aero-engin/ms-aero-engin) (32 additional hours of coursework).

1 If the student withdraws from the MS component they must revert to the traditional BS degree program and satisfy all degree requirements of the BS curriculum.