AEROSPACE ENGINEERING, BS-MS

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

department website: https://aerospace.illinois.edu/
department faculty: Aerospace Engineering Faculty (https://aerospace.illinois.edu/directory/faculty/faculty-members/)
college website: https://grainger.illinois.edu/
email: aerospace@illinois.edu

The joint B.S.-M.S. program in AE combines two degrees: a B.S. inAE
with a M.S. in AE. Current AE students enrolled in The Grainger College
of Engineering 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 B.S. degree within the B.S.-M.S.
program is accredited by the Engineering Accreditation Commission of
ABET, https://www.abet.org, under the same criteria as the traditional
128 hour B.S. degree. 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 (https://
aerospace.illinois.edu/). Current Grainger 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 3.00 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:

• are assigned a graduate academic advisor when admitted.
• must maintain an overall GPA of 3.00 through completion of the B.S.
  component of the program in order to remain in the program.
• must maintain a technical GPA of 3.40 through completion of the B.S.
  component of the program.
• may register for graduate courses and earn graduate hour credits,
  with approval from their graduate academic advisor, when they have
  less than 12 credit hours remaining in their B.S. component.
• must earn at least 121 hours of undergraduate credit and satisfy
  all B.S. requirements of this program to be officially admitted to the
  Graduate College.

Upon successful completion of the B.S. component students:

• must apply and be officially admitted into the Graduate College.
• are assigned a graduate academic advisor when B.S. courses are
  completed.
• will be issued letters of admission from the Graduate College and
  the AE Department, at which time they will be considered graduate
  students and assessed graduate tuition the following semester.
• must satisfy the graduate student minimum residence requirement,
  which is 24 graduate credit hours.

• 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.

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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/ms-aero-engin/
#degreerequirementstext) (32 additional hours of coursework) and the
M.S. Thesis Track (http://catalog.illinois.edu/graduate/ms-aero-engin/
#degreerequirementstext) (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.