Admission Requirements

Students with bachelor's or master's degrees in engineering or related fields will be considered for admission if they have a grade point average of at least 3.00 (A = 4.00) for the last two years of undergraduate study. Admission is possible for the fall term, but most admissions are for the fall term. Full details of admission requirements are on the Aerospace Systems Engineering Concentration website (https://aerospace.illinois.edu/graduate/engineering/aerospace-engineering-meng/railway).

All applicants whose native language is not English are required to submit the results of the TOEFL (http://www.toefl.org) or International English Language Testing System (IELTS) (http://www.ielts.org) as evidence of meeting the English proficiency requirements for full admission status (http://grad.illinois.edu/admissions/instructions/04c). Under certain circumstances applicants may be exempt (https://grad.illinois.edu/admissions/instructions/04c) from the TOELF/IELTS requirement.

Financial Aid

Students in concentrations under the MEng in Engineering major are not eligible for Board of Trustees (BOT) tuition-waiver generating assistantships at the University of Illinois.

Other Graduate Programs in the Department of Aerospace Engineering

degrees:

- Aerospace Engineering, MS (http://catalog.illinois.edu/graduate/engineering/aerospace-engineering-ms)
- optional concentrations: Computational Science & Engineering (http://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering)
- Aerospace Engineering, PhD (http://catalog.illinois.edu/graduate/engineering/aerospace-engineering-phd)
- optional concentrations: Computational Science & Engineering (http://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering)
- Aerospace Engineering, Direct PhD (https://aerospace.illinois.edu/academics/graduate/phd-program/phd-student-status-and-requirements/direct-phd)
- optional concentrations: Computational Science & Engineering (http://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering)

The Department of Aerospace Engineering (AE) offers graduate programs leading to the degrees of Master of Science and Doctor of Philosophy in Aerospace Engineering and a Master of Engineering in Engineering degree with a concentration in Aerospace Systems Engineering. The AE graduate program provides students with a strong background in engineering and applied science while placing emphasis on aircraft and spacecraft engineering. Students may major in one of the following general areas: aerodynamics, astrodynamics, combustion and propulsion, control systems, dynamical systems, fluid mechanics, structural mechanics, materials, and space systems.

Opportunity also exists for specializing in energy and sustainability engineering via the

Energy and Sustainability Engineering (EaSE) Graduate Certificate Option (http://ease.illinois.edu)

for the degree of Master of Engineering, Major in Engineering, Aerospace Systems Engineering Concentration (on campus & online)

For additional details and requirements, refer to the department's Website (http://aerospace.illinois.edu) and the Graduate College Handbook (https://grad.illinois.edu/gradhandbook).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>AE 542</td>
<td>Aerospace Syst Engineering I</td>
<td>4</td>
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<tr>
<td>AE 543</td>
<td>Aerospace Syst Engineering II</td>
<td>4</td>
</tr>
<tr>
<td>Select two additional courses from approved list</td>
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<tr>
<td>Additional Coursework</td>
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<tr>
<td>Coursework</td>
<td>Hours</td>
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<td>Elective coursework selected from an approved list in the following areas: optimization, design, reliability, data analysis, human interfaces, and networks</td>
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<tr>
<td>Professional Development coursework selected from approved lists - 4 hours from List A and 4 hours from List B</td>
<td>8</td>
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</table>

**Total Hours**: 32

**Other Requirements and Conditions (may overlap):**

- A minimum of 20 credit hours must be taken from the University of Illinois Urbana-Champaign campus.
- A minimum of 12 500-level credit hours, with a minimum of 8 hours of 500-level coursework in AE.
- No courses used to fulfill any degree requirement may be taken using the "Credit/No Credit" option.
- Minimum GPA: 3.0