The Transfer Handbook is intended as a guide for students transferring to Illinois from another institution. Students who entered the university as first-year and are seeking transfer to or within the college should follow instructions and requirements posted on the DGS PREP and Grainger Engineering websites.

Please note: Any transfer student interested in completing a major, including a dual degree, in The Grainger College of Engineering must apply and be admitted directly into the college at time of transfer. Transfer students entering other colleges on campus are not eligible for later admission/on-campus transfer to the Pre-Engineering Program (PREP) or Grainger Engineering. No exceptions will be granted.

Overview

The Grainger College of Engineering invites qualified students to apply for transfer admission.

Transfer applicants are considered, for fall term admission only, for the following Programs of Study:

<table>
<thead>
<tr>
<th>May be listed as first or second choice</th>
<th>May be listed as first choice only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Engineering</td>
<td>Computer Engineering</td>
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<tr>
<td>Agricultural and Biological Engineering</td>
<td>Computer Science</td>
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<tr>
<td>Bioengineering¹</td>
<td>Electrical Engineering</td>
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<tr>
<td>Civil Engineering</td>
<td>Mechanical Engineering</td>
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<tr>
<td>Engineering Mechanics</td>
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<td>Physics</td>
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<tr>
<td>Systems Engineering and Design</td>
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</tbody>
</table>

The College of Liberal Arts & Sciences (LAS) administers the Chemical Engineering Program of Study.

Admission to Grainger Engineering is competitive, and not all qualified applicants are accepted. Each application is evaluated utilizing a holistic review process with consideration given to:

- overall and technical GPA
- technical coursework
- academic rigor
- essay(s)
- activities and work experience
- high school transcripts and ACT/SAT scores – for applicants with fewer than 30 graded hours of college coursework at the time of application

Applications for second bachelor's degree are accepted; however, applicants seeking a first bachelor's degree receive priority in limited-capacity majors.

¹ Due to the specialized nature of the curriculum, transfer students admitted to Bioengineering will require a minimum of six (6) semesters of enrollment at UIUC to complete graduation requirements. Students enrolling at UIUC without credit for a transfer course equivalent to the UIUC course MCB 150, Molecular and Cellular Basis of Life should anticipate eight (8) semesters on campus due to course sequencing.

CONTACT INFORMATION Transfer Programs, The Grainger College of Engineering, 210 Engineering Hall, 1308 West Green Street, Urbana, IL 61801 Phone: (217) 333-2280 Email: engineeringtransfers@illinois.edu
Academic Expectations and Required Coursework

It is generally expected that applicants will have a minimum of 3.00 (A = 4.00) overall GPA, but admission to specific majors may be significantly more competitive during any given admission cycle. For fall 2021, the average transfer GPA for admitted students was 3.80 with the middle 50% of GPAs ranging from 3.67–4.00.

Academic rigor: competitive applicants will typically complete 2-3 technical courses in their first semester and a minimum of 3-4 technical courses, preferably 4, each semester thereafter while maintaining a full-time schedule of 15+ credit hours. Applicants should demonstrate mastery of subject matter by earning a B or better (3.00/4.00) in all prerequisite courses. If an applicant is not able to complete a listed course or maintain a full-time schedule, this should be addressed in the Other Academic Information – Academic Challenges section of the application.

All applicants must have transfer coursework equivalent to the University of Illinois courses listed below completed prior to application:

- CHEM 102 and CHEM 103, General Chemistry I and General Chemistry Lab I
- CHEM 104 and CHEM 105, General Chemistry II and General Chemistry Lab II
- MATH 220, Calculus or MATH 221, Calculus I
- MATH 231, Calculus II
- MATH 241, Calculus III
- PHYS 211, University Physics: Mechanics
- PHYS 212, University Physics: Elec & Mag

One of the following, as recommended by the Program of Study (see transfer chart):

- CS 101, Intro Computing: Engineering & Science, or
- CS 124, Intro to Computer Science I, or
- CS 125, Intro to Computer Science, or
- ECE 110, Introduction to Electronics, or
- MCB 150, Molecular and Cellular Basis of Life, or
- SE 101, Engineering Graphics and Design, or
- ME 170, Computer-Aided Design

Computer Science, Electrical and Computer Engineering, and Mechanical Engineering are limited-capacity majors. To be most competitive, applicants to these majors are encouraged to complete as much additional transfer coursework equivalent to the University of Illinois courses noted in the transfer chart as possible.

Completion of the following courses is strongly recommended:

- RHET 105, Writing and Research
- ECON 102, Microeconomic Principles or ECON 103, Macroeconomic Principles
- Language Other Than English (LOTE)

1 Specifically required only for the following Programs of Study: Agricultural & Biological Engineering, Bioengineering, Civil Engineering, Engineering Mechanics, and Materials Science and Engineering. A full year of chemistry may be required, regardless of major, depending on course transferability from your current institution. Please note, AP Chemistry awards credit for the lecture only. Applicants are responsible for completing the full lecture and lab sequence(s).

2 Fall 2022 applicants to all majors in Grainger College of Engineering are strongly encouraged to have these courses completed or in-progress at the time of application. These courses will be required for Fall 2023 admission.

3 At most institutions the equivalent requires a two-course sequence transferring as RHET 105 or UCI and UCII.

4 Students applying to Bioengineering or interested in Pre-Med should complete PSYC 100, Introduction to Psychology

5 To meet graduation requirements, students in the College of Engineering must complete a Language Other Than English (LOTE), either in high school or college, through the third level. While there is no longer a language requirement for transfer admission, it is strongly recommended that students fulfill LOTE prior to their first term of enrollment at Illinois. Not doing so may result in an increase in time to degree completion.
Courses being completed during the summer prior to fall admission will not be considered as part of the application review.

Please note that the courses listed above are a **minimum** requirement for admission consideration, and applicants are encouraged to make additional progress toward degree requirements whenever possible.

Current course articulation information is available at [www.transferology.com](http://www.transferology.com).

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**Transfer Chart**

Applicants entering with 50+ credit hours who have not fulfilled the requirements noted in this chart should anticipate extended time to graduation.

Applicants with all required and recommended courses completed will be given priority for admission.

* X = strongly recommended course

<table>
<thead>
<tr>
<th>Aerospace Engineering&lt;sup&gt;3&lt;/sup&gt;</th>
<th>Intro to Differential Systems (MATH 224 or 226), Intro to Linear Algebra (MATH 225 or MATH 213)</th>
<th>Intro to Solid Mechanics (EAM 213)</th>
<th>Intro to Computer Science (CS 124 or CS 125)</th>
<th>Electrical Engineering (EE 205)</th>
<th>Elementary Organic Chemistry and Biochemistry (CHEM 222 or CHEM 228)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural &amp; Biological Engineering</td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
</tr>
<tr>
<td>Bioengineering&lt;sup&gt;4&lt;/sup&gt;</td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
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<td><strong>X</strong></td>
<td><strong>X</strong></td>
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<td><strong>X</strong></td>
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<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
</tr>
<tr>
<td>Computer Science&lt;sup&gt;5&lt;/sup&gt;</td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
</tr>
<tr>
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<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
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<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
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<tr>
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<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
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<tr>
<td>Mechanical Engineering&lt;sup&gt;6&lt;/sup&gt;</td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
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<tr>
<td>Physics, Engineering</td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
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<td><strong>X</strong></td>
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<td><strong>X</strong></td>
<td><strong>X</strong></td>
<td><strong>X</strong></td>
</tr>
</tbody>
</table>

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<sup>1</sup> Aerospace Engineering, Agricultural & Biological Engineering, Mechanical Engineering and Nuclear, Plasma & Radiological Engineering: students may elect to take TAM 210 or 211.

<sup>2</sup> Students applying to Electrical and Computer Engineering, without access to ECE 110, may complete ECE 205.

<sup>3</sup> Students applying to Aerospace Engineering may complete either SE 101 or ME 170.

<sup>4</sup> Students applying to Bioengineering are strongly encouraged to complete MCB 150 prior to admission to ensure progress towards graduation.

<sup>5</sup> Students interested in Computer Science are expected to have formal coursework covering at least 2 out of 3 of the following programming languages: Java, C++, Python. This may require completion of an additional course(s) not specifically noted in the chart above.

<sup>6</sup> In addition to the specific courses noted in the chart, students must complete one of the following as a science elective: CHEM 104 and 105 or PHYS 213 and 214.
Frequently Asked Questions (FAQs)

Is there someone who can assist me with schedule planning?
Yes! It is recommended that potential applicants work with a Transfer Programs advisor in Grainger Engineering for schedule planning, including selection of general education coursework. Admission is competitive; students are welcome and encouraged to contact us as early in their college careers as possible to discuss transfer requirements and preparation. Navigating the transfer process can be challenging; our program staff are here to help. For the quickest response, please email engineeringtransfers@illinois.edu.

Is there a limit to how many credit hours I can transfer?
Grainger Engineering does not limit the number of credit hours a student may transfer nor does a high number of credit hours earned negatively impact the transfer admissions process – please note, this policy varies by college. Regardless of number of credit hours transferred, all students are required to complete the campus residency requirement, which specifies that each candidate for a bachelor’s degree from the University of Illinois at Urbana-Champaign must earn at least 60 semester hours of University of Illinois at Urbana-Champaign credit, of which 21 hours must be 300 or 400 level courses.

As a transfer student, am I eligible for the James Scholar Honors Program?
Transfer students may apply to the James Scholar Honors Program after completing an initial full-time semester on campus (fall or spring). Current requirements for admission are an Illinois GPA of 3.5 or higher.

Can I change majors after being admitted as a transfer student to Grainger Engineering?
It depends. Major change requests within the college must be approved by Transfer Programs staff. Due to space constraints, no dual-degree petitions or major change requests to Computer Engineering, Computer Science, Electrical Engineering, or Mechanical Engineering are permitted. A student admitted to Electrical or Computer Engineering, with limited exposure to the introductory courses at their previous institution (e.g. ECE 110, 120, 210, 220), may be considered for a major change within the department if the request is made prior to completion of their second semester of enrollment at Illinois. Requests for all other majors will be evaluated on a case-by-case basis. Questions about declaring a major outside of Grainger Engineering should be directed to the respective college or department.

I already earned a bachelor's degree. Am I eligible to apply for a second bachelor's degree?
Grainger Engineering does accept second bachelor’s degree applications for consideration; however, applicants seeking a first bachelor’s degree receive priority in limited-capacity majors. Regarding the application: If the first bachelor’s degree was earned from another institution, then proceed as a transfer applicant through the Office of Undergraduate Admissions. If the first bachelor’s degree was earned from the University of Illinois at Urbana-Champaign, please contact Transfer Programs in Grainger Engineering for additional information on how to proceed. The guidelines and course requirements established in the Transfer Handbook apply to all applicants, as do the transfer admissions dates and deadlines.

Can I use test-based credit (AP, IB, etc.) to fulfill transfer requirements?
All students are subject to the test-based credit policies in effect at time of matriculation to the University of Illinois at Urbana-Champaign. For incoming students, these policies are not finalized until after the admissions cycle is complete. Test-based credit policies can and do change. As such, transfer students are strongly encouraged to fulfill admissions requirements by earning graded, transferable credit.

Additional questions? Contact us.
Applicants are strongly encouraged to make additional progress toward degree completion by taking other courses required by their desired Program(s) of Study.

Aerospace Engineering:  
http://catalog.illinois.edu/undergraduate/engineering/aerospace-engineering-bs/  

Bioengineering  
http://catalog.illinois.edu/undergraduate/engineering/bioengineering-bs/  

Agricultural and Biological Engineering:  
http://catalog.illinois.edu/undergraduate/eng_aces/agricultural-biological-engineering-bs/  

Civil Engineering:  
http://catalog.illinois.edu/undergraduate/engineering/civil-engineering-bs/  

Computer Engineering:  
http://catalog.illinois.edu/undergraduate/engineering/computer-engineering-bs/  

Computer Science:  
http://catalog.illinois.edu/undergraduate/engineering/computer-science-bs/  

Electrical Engineering:  
http://catalog.illinois.edu/undergraduate/engineering/electrical-engineering-bs/  

Engineering Mechanics:  
http://catalog.illinois.edu/undergraduate/engineering/engineering-mechanics-bs/  

Engineering Physics:  
http://catalog.illinois.edu/undergraduate/engineering/engineering-physics-bs/  

Industrial Engineering:  
http://catalog.illinois.edu/undergraduate/engineering/industrial-engineering-bs/  

Materials Science and Engineering:  
http://catalog.illinois.edu/undergraduate/engineering/materials-science-engineering-bs/  

Mechanical Engineering:  
http://catalog.illinois.edu/undergraduate/engineering/mechanical-engineering-bs/  

Nuclear, Plasma, and Radiological Engineering:  
http://catalog.illinois.edu/undergraduate/engineering/nuclear-plasma-radiological-engineering-bs/  

Systems Engineering and Design:  
http://catalog.illinois.edu/undergraduate/engineering/systems-engineering-design-bs/