The Grainger College of Engineering
Prospective Student Informational Session & Tour
About Us
Watch Video at:
go.grainger.illinois.edu/WeAreGraingerVideo
Our community is large and diverse.
The depth and breadth of our community brings a global mindset into the classroom.

14,100+ students total across our engineering degree programs, both grad and undergrad

7,900+ undergraduate students

1,900+ of our undergrads are women engineering students

950+ of our undergrads are Latinx/Black/Indigenous engineering students

Grainger Engineering is committed to the inclusion of populations traditionally underrepresented in engineering.
Our excellence is as broad as it is deep.

#7 overall among undergraduate programs in the U.S.

#10 overall among graduate programs in the U.S.

400+ world class faculty

15 top-ranked undergraduate degree programs
We Have the Results

Your future starts here at Illinois.

94% secured preferred first-destination upon graduation

$85,367 average starting salary with a bachelor's degree

97,000+ alumni worldwide

$14,412 average signing bonus
MISSION
The Grainger College of Engineering Undergraduate Programs Office is a welcoming and supportive group of professionals dedicated to empowering our students to engage, discover and succeed by providing world-class communities, resources and opportunities.

VISION
To inspire our students to expand their potential and impact the world.

Register Now!
Engineering Q&A
Open House
3:30 – 4:00 PM

VISIT: go.grainger.illinois.edu/Register
or
SCAN:
Academics
Watch Video at: go.grainger.illinois.edu/MajorsVideo

GRAINGER ENGINEERING
MAJORS OVERVIEW

UNIVERSITY OF ILLINOIS
Watch Video at: go.grainger.illinois.edu/MajorsVideoTrailer
## 19+ Undergraduate Degree Programs

<table>
<thead>
<tr>
<th></th>
<th>Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Aerospace Engineering</td>
</tr>
<tr>
<td>2</td>
<td>Agricultural &amp; Biological Engineering</td>
</tr>
<tr>
<td>3</td>
<td>Bioengineering</td>
</tr>
<tr>
<td>4</td>
<td>Chemical Engineering</td>
</tr>
<tr>
<td>5</td>
<td>Civil Engineering</td>
</tr>
<tr>
<td>6</td>
<td>Computer Engineering</td>
</tr>
<tr>
<td>7</td>
<td>Computer Science</td>
</tr>
<tr>
<td>8</td>
<td>Computer Science + Bioengineering</td>
</tr>
<tr>
<td>9</td>
<td>Computer Science + Physics</td>
</tr>
<tr>
<td>10</td>
<td>Electrical Engineering</td>
</tr>
<tr>
<td>11</td>
<td>Engineering Mechanics</td>
</tr>
<tr>
<td>12</td>
<td>Environmental Engineering</td>
</tr>
<tr>
<td>13</td>
<td>Industrial Engineering</td>
</tr>
<tr>
<td>14</td>
<td>Materials Science &amp; Engineering</td>
</tr>
<tr>
<td>15</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>16</td>
<td>Neural Engineering</td>
</tr>
<tr>
<td>17</td>
<td>Nuclear, Plasma &amp; Radiological Engineering</td>
</tr>
<tr>
<td>18</td>
<td>Physics</td>
</tr>
<tr>
<td>19</td>
<td>Systems Engineering &amp; Design</td>
</tr>
</tbody>
</table>

[grainger.illinois.edu/majors](grainger.illinois.edu/majors)
Partnerships Across Campus

We partner with 5 other colleges at Illinois to offer some of our majors:

1. College of Agricultural, Consumer and Environmental Sciences (ACES)
2. College of Fine and Applied Arts (FAA)
3. College of Liberal Arts and Sciences (LAS)
4. College of Media (COM)
5. College of Education (EDUC)
Partnerships Across Campus

College of Agricultural, Consumer and Environmental Sciences (ACES)

- Agricultural & Biological Engineering (ABE)
  - First-Year Students
    - Dual enrollment within Grainger Engineering & ACES
    - Transfer Students only enrolled in Grainger Engineering
  - Degree granted by Grainger Engineering

- Computer Science + Animal Sciences

- Computer Science + Crop Sciences
College of Liberal Arts and Sciences (LAS)

- Chemical Engineering
  - Degree granted by LAS
  - Given access to all Grainger College of Engineering resources, scholarships, opportunities, & student organizations
  - Same general education requirements as Grainger Engineering students

- Computer Science + Anthropology
- Computer Science + Astronomy
- Computer Science + Chemistry
- Computer Science + Economics
- Computer Science + Geography & Geographic Information Science
- Computer Science + Linguistics
- Computer Science + Philosophy
- Mathematics & Computer Science
- Statistics & Computer Science
Partnerships Across Campus

College of Media (COM)
- Computer Science + Advertising

College of Fine and Applied Arts (FAA)
- Computer Science + Music, apply + portfolio + interview

NEW! College of Education (EDUC)
- Computer Science + Education, Learning Sciences
  - Applying CS to improve education
- Computer Science + Education, Secondary Education
  - Certified teacher of CS for high school/school district
Facts about Computer Science+ (CS+) Majors: FAQ Answered

1. All CS+ majors are:
   • One degree, blended major
   • Core CS curriculum same across CS majors
   • “X” subject is advance coursework with computation infused
   • All degree program are Bachelor of Science, STEM-designated engineering degree

2. CS+ majors have access to CS and “X” dept:
   • Extra/Co-Curricular opportunities
   • Academic advisors
   • Each college’s career services
   • Careers opportunities in both industries

3. CS (non-blended major) is a direct admit program only; closed to major changes and declarations:
   • All CS+ majors are available for major changes/declarations
   • CS minor robust enough for guaranteed admissions into UIUC grad-level MS-CS and M-CS+DS programs when GPA requirement met

Computer Science + X:
COM: Advertising
ACES: Animal Sciences, Crop Sciences
LAS: Anthropology, Astronomy, Chemistry, Economics, Geography & Geographic Information Science, Linguistics, Philosophy
EDUC: Education
FAA: Music

X + Computer Science:
LAS: Mathematics, Statistics
Admissions
3 Ways to Apply

First Year

Engineering Pathways

Transfer
Apply Opens: Currently closed
• September 1, 2023

Application Deadlines:
• 2022-23: Nov 1st (Early Action) | Jan 5th (Regular Decision)
• 2023-24: Dates TBA summer 2023

Apply via:
• MyIllini
• CommonApp

Test Optional
• No preference; ACT & SAT accepted
• No super scoring; we use highest score from all submissions

Already Applied?

Admissions Notification Dates:
• Early Action: Jan 27, 2023
• Regular Decision: Mar 3, 2023

Offer Decision Deadline:
• May 1, 2023
Select up to 2 majors:

1st Choice Major: All University/engineering majors are available

2nd Choice Major: All engineering majors are available this year except:
- Aerospace Engineering (AE)
- Bioengineering (BioE)
- Computer Science (CS) and CS+ majors
- Computer Engineering (CompE)
- Mechanical Engineering (ME)
- Neural Engineering (NE)

2023-24 not available 2nd choice available this summer

Be a Competitive Applicant:

Solo based on courses offered at your high school

#1. Strong Math & Science GPA & foundation
- Physics, Biology, Chemistry
- Pre-calc and beyond

#2. Academic Rigor
- Honors
- Advance Placement (AP)
- International Baccalaureate (IB)
- Advanced level (A-Level)
- Dual enrollment

#3. Understanding of Major(s)
- Answer question fully, aim to reach the word limit
- Do your research to show your understanding of the major
- CS interest? Share about a direct CS experience to demonstrate understanding beyond coding
- Dig Deep! Share your goals, dreams, or passions for this major or engineering
- Only talk about CURRENT STEM experiences (classes, camps, clubs, internship, jobs)
Only available for Illinois residents!

**Step #1: Apply to an Illinois community college**

**Step #2: Complete placement testing**
- Test at local community college
- Must take Aleks math placement (score 76 or above)

**Step #3: Submit Engineering Pathways Application between Jan. 5 – Apr. 5, 2023**
- What do you need to apply?
  - Official High School Transcript
    - Including in progress spring classes
  - Community college student ID #
  - Aleks (Math) placement score of 76 or above
- Apply at go.grainger.illinois.edu/ApplyEngPathway

**FAQs**

**When to apply?**
- Senior year of high school OR
- After successful complete of Year 1 curriculum

**Which engineering majors are available?**
- Aerospace Engineering
- Agricultural & Biological Engineering
- Bioengineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Engineering Mechanics
- Environmental Engineering
- Industrial Engineering
- Materials Science & Engineering
- Mechanical Engineering
- Neural Engineering
- Nuclear, Plasma, & Radiological Engineering
- Physics
- Systems Engineering & Design

Visit website for more info:
Pathways.engineering.illinois.edu

Questions? engineeringpathways@illinois.edu
Transferring from another University or out of state community college?

Apply via MyIllini

- admissions.illinois.edu/apply/transfer
- admissions.illinois.edu/apply/international (international students)

Application for Fall Entry opens Dec 15th

- Deadline to apply March 1st
- Rolling admissions decisions starting in March thru April

Select up to 2 majors:

- 1st Choice Major: All engineering majors are available
- 2nd Choice Major: All engineering majors are available except:
  - Computer Science (CS)
  - All CS+ majors (CS + X, X & CS)
  - Computer Engineering (CompE)
  - Electrical Engineering (EE)
  - Mechanical Engineering (ME)

Resources:

- Transfer Guide is a planning resource to help you prepare to apply
  - Myillini.illinois.edu/Programs/TransferGuide
- Confirm which courses transfer to Illinois by visiting Transferology.com

Requirements:

1. Follow official requirements within Transfer Handbook
   - Admissions.illinois.edu/apply/transfer/handbook
2. 3.0 GPA minimum overall
3. Completed required coursework for desired degree

To be most competitive:

- B or higher grades in STEM classes
- Mastery of subject matter in prerequisite courses
- Complete the recommend technical coursework for desired degree
Choosing a Major

At the University of Illinois, you can apply for up to two majors. If you have a strong passion for working in the engineering industry, we highly encourage you to select two engineering majors. This will prompt the admission review staff to exhaust all options to admit you into one of our engineering majors. To determine which programs to select as a first and second choice, follow the tips provided below.

Think about where your interests are focused, and decide how you want to apply them within disciplines of engineering.

For example, a student that is interested in robotics could major in electrical engineering to focus on designing the circuitry structure of the robot, or they could major in materials science & engineering to focus on determining the best materials for the robot. Other majors like mechanical engineering, computer science, computer engineering, and engineering mechanics could easily be applied as well for a career in robotics.

Choosing a Major

EXPLORE RELATED MAJORS
go.grainger.illinois.edu/ChooseAMajor

Which Major is Right for You?

Your path to Grainger Engineering starts with connecting your passion and interests with the opportunities available in one of our 15 top-ranked major programs. Take our majors quiz to discover which programs are a good fit for you, gather the information you need to take the next step and apply.

Take Our Majors Quiz
go.grainger.illinois.edu/majorsquiz

Connect Your Interest to Our Majors
FOR QUESTIONS, CONTACT:

The Grainger College of Engineering
Undergraduate Admissions & Recruitment
Engineering-uar@Illinois.edu
217-333-8489