



The Grainger College of  
Engineering

**Prospective Student  
Informational Session & Tour**



# About Us

**Watch Video at:**  
[go.grainger.illinois.edu/WeAreGraingerVideo](https://go.grainger.illinois.edu/WeAreGraingerVideo)



**E ARE**



## 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



**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





# Undergraduate Programs Office

## UPO

206 Engineering Hall  
engineering@illinois.edu  
217-333-2280

### 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](https://go.grainger.illinois.edu/Register)  
**or**  
**SCAN:**





# Academics



A background image showing three students in engineering attire. On the left, a woman in a dark blue shirt with a red and white logo. In the center, a man in a dark blue shirt with a red and white logo. On the right, a man in an orange shirt with a blue and white logo. They are all smiling and looking towards the camera.

**Watch Video at:**  
[go.grainger.illinois.edu/MajorsVideo](http://go.grainger.illinois.edu/MajorsVideo)

# GRAINGER ENGINEERING MAJORS OVERVIEW

UNIVERSITY OF ILLINOIS





Watch Video at:

[go.grainger.illinois.edu/MajorsVideoTrailer](http://go.grainger.illinois.edu/MajorsVideoTrailer)

ENGINEERING

MAJORS  
OVERVIEW

*Trailer*

UNIVERSITY OF ILLINOIS





# 19+ Undergraduate Degree Programs



**[granger.illinois.edu/majors](https://granger.illinois.edu/majors)**

- 1** Aerospace Engineering
- 2** Agricultural & Biological Engineering
- 3** Bioengineering
- 4** Chemical Engineering
- 5** Civil Engineering
- 6** Computer Engineering
- 7** Computer Science
- NEW!** **8** Computer Science + Bioengineering
- NEW!** **9** Computer Science + Physics
- 10** Electrical Engineering
- 11** Engineering Mechanics
- NEW!** **12** Environmental Engineering
- 13** Industrial Engineering
- 14** Materials Science & Engineering
- 15** Mechanical Engineering
- NEW!** **16** Neural Engineering
- 17** Nuclear, Plasma & Radiological Engineering
- 18** Physics
- 19** Systems Engineering & Design





## 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)

## 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**





## College of Media (COM)

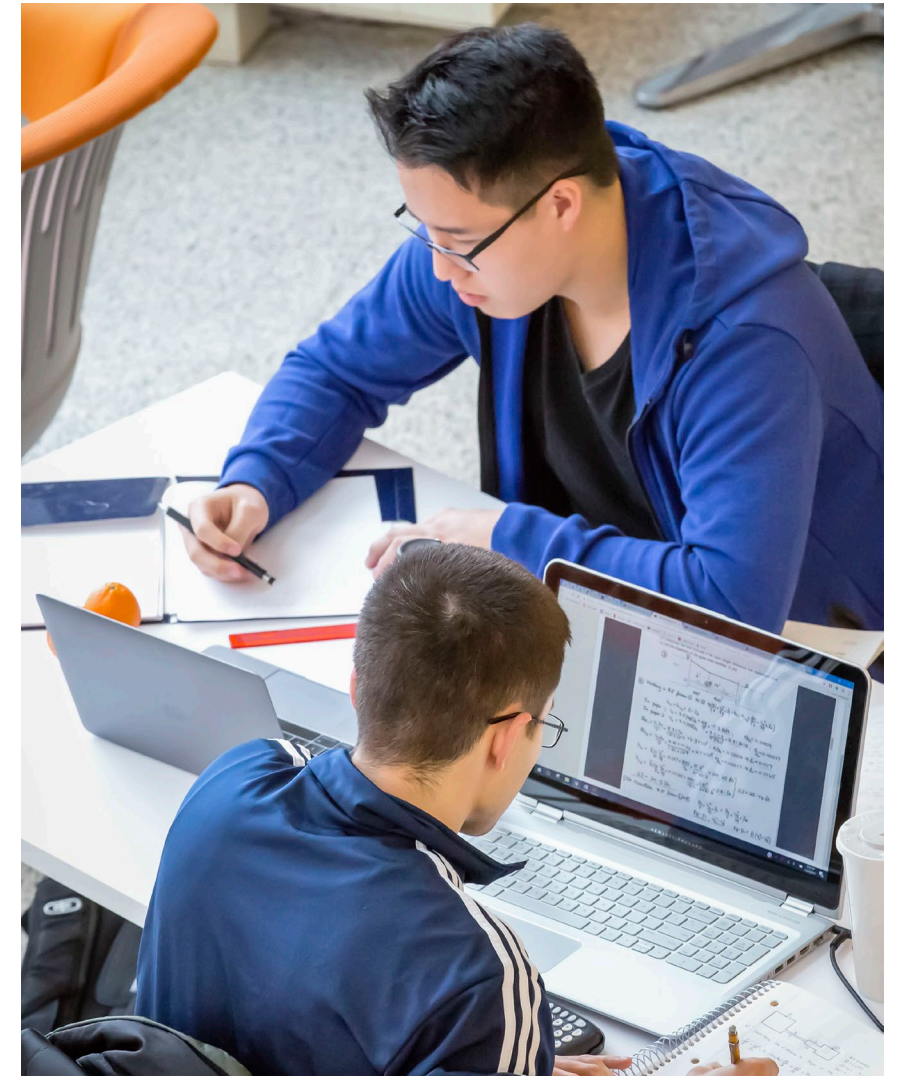
- **Computer Science + Advertising**

## 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*



## 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

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**First  
Year**

**Engineering  
Pathways**

**Transfer**

## **Apply Opens:** *Currently closed*

- September 1, 2023

## **Application Deadlines:**

- 2022-23: Nov 1<sup>st</sup> (Early Action) | Jan 5<sup>th</sup> (Regular Decision)
- 2023-24: Dates TBA summer 2023

## **Apply via:**

- Myllini
- 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:

### 1<sup>st</sup> Choice Major: All

University/engineering majors are available

2<sup>nd</sup> 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 2<sup>nd</sup> choice available this summer

## Be a Competitive Applicant:

*Solely based on coursed 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?** Shar 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](https://go.grainger.illinois.edu/ApplyEngPathway)

**Questions?** [engineeringpathways@illinois.edu](mailto:engineeringpathways@illinois.edu)

## FAQs

### When to apply?

- Senior year of high school OR
- After successful complete of Year 1 curriculum

### Which engineering majors are available?

- |   |   |
|---|---|
| • Aerospace Engineering                 | • Industrial Engineering                      |
| • Agricultural & Biological Engineering | • Materials Science & Engineering             |
| • Bioengineering                        | • Mechanical Engineering                      |
| • Civil Engineering                     | • Neural Engineering                          |
| • Computer Engineering                  | • Nuclear, Plasma, & Radiological Engineering |
| • Computer Science                      | • Physics                                     |
| • Electrical Engineering                | • Systems Engineering & Design                |
| • Engineering Mechanics                 |   |
| • Environmental Engineering             |   |

**Visit website for more info:**

[Pathways.engineering.illinois.edu](https://Pathways.engineering.illinois.edu)

## Transferring from another University or out of state community college?

### Apply via MyIllini

- [admissions.illinois.edu/apply/transfer](https://admissions.illinois.edu/apply/transfer)
- [admissions.illinois.edu/apply/international](https://admissions.illinois.edu/apply/international) (*international students*)

### Application for Fall Entry opens Dec 15<sup>th</sup>

- 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](https://myillini.illinois.edu/Programs/TransferGuide)
- Confirm which courses transfer to Illinois by visiting [Transferology.com](https://transferology.com)

### Requirements:

1. Follow official requirements within Transfer Handbook
  - [Admissions.illinois.edu/apply/transfer/handbook](https://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

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## 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.

[Majors and Minors](#)

## Choosing a Major

### EXPLORE RELATED MAJORS

[go.grainger.illinois.edu/ChooseAMajor](https://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](https://go.grainger.illinois.edu/majorsquiz)



Connect Your Interest  
to Our Majors





FOR QUESTIONS, CONTACT:

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





# **The Grainger College of Engineering**

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN