



UNIVERSITY OF  
**ILLINOIS**  
URBANA-CHAMPAIGN

# The Grainger College of Engineering Prospective Student Informational Session & Tour



# About Us





*Our community is large and diverse.*

**13,100+**

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

**7,800+**

undergraduate students

**2,700+**

of our undergrads are women in engineering

**750+**

of our undergrads are Latinx, Black, or Indigenous engineering students

*The depth and breadth of our community brings a global mindset into the classroom.*





*Our excellence is as broad as it is deep.*

**#6**

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.***

**2+**

job offers after graduation

**\$87,482**

average starting salary  
with a bachelor's degree

**80,000+**

alumni worldwide





# 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.





# Academics



The background of the entire image is a photograph of several students standing in front of a brick building. The students are dressed in casual attire, including hoodies and t-shirts. The image has a slightly pixelated or low-resolution appearance.

15 Majors

GRAINGER

ENGINEERING

MAJORS  
OVERVIEW

UNIVERSITY OF ILLINOIS

**Watch video at:**

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



# GRAINGER ENGINEERING

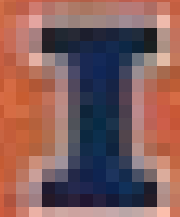
MAJORS  
OVER

**Watch video at:**

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

*Trailer*

UNIVERSITY OF ILLINOIS



# 16+ Undergraduate Degree Programs



[grainger.illinois.edu/majors](http://grainger.illinois.edu/majors)

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



# Customize Your Education!



## Engineering Minors

- Bioengineering
- Biomolecular Engineering
- Computer Science\*
- Computational Science & Engineering
- Electrical & Computer Engineering
- International Engineering
- Materials Science & Engineering
- Physics
- Polymer Science & Engineering
- Technology & Management

*\*Guaranteed Admission into online MS-CS or MS-CS/DS*

## Bachelor + Master Degrees

- Aerospace Engineering
- Computer Science
- Computer Science + Animal Sciences
- Computer Science + Crop Sciences
- Materials Science & Engineering

*\* All Grainger College of Engineering departments have graduate programs*

Visit [go.illinois.edu/BStoMS](https://go.illinois.edu/BStoMS) for more information

**Please note these Academic offerings are NOT opportunities you can pursue during your admissions process. This content is solely informational and an option to customized your education as a continuing student at Illinois.**



## 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
    - Year 1 & 2 within ACES
    - Year 3 & 4 within Grainger
  - Transfer Students
    - All years within Grainger
  - Home college is Grainger Engineering for both First-Year & Transfer students
  - Full access to all Grainger College of Engineering resources & opportunities
- **CS + Animal Sciences**
- **CS + Crop Sciences**





## College of Liberal Arts and Sciences (LAS)

- **Chemical Engineering**
  - Full access to all Grainger College of Engineering resources & opportunities
- **CS + Anthropology**
- **CS + Astronomy**
- **CS + Chemistry**
- **CS + Economics**
- **CS + Geography & Geographic Information Science**
- **CS + Linguistics**
- **CS + Philosophy**
- **Mathematics & CS**
- **Statistics & CS**



## College of Media (COM)

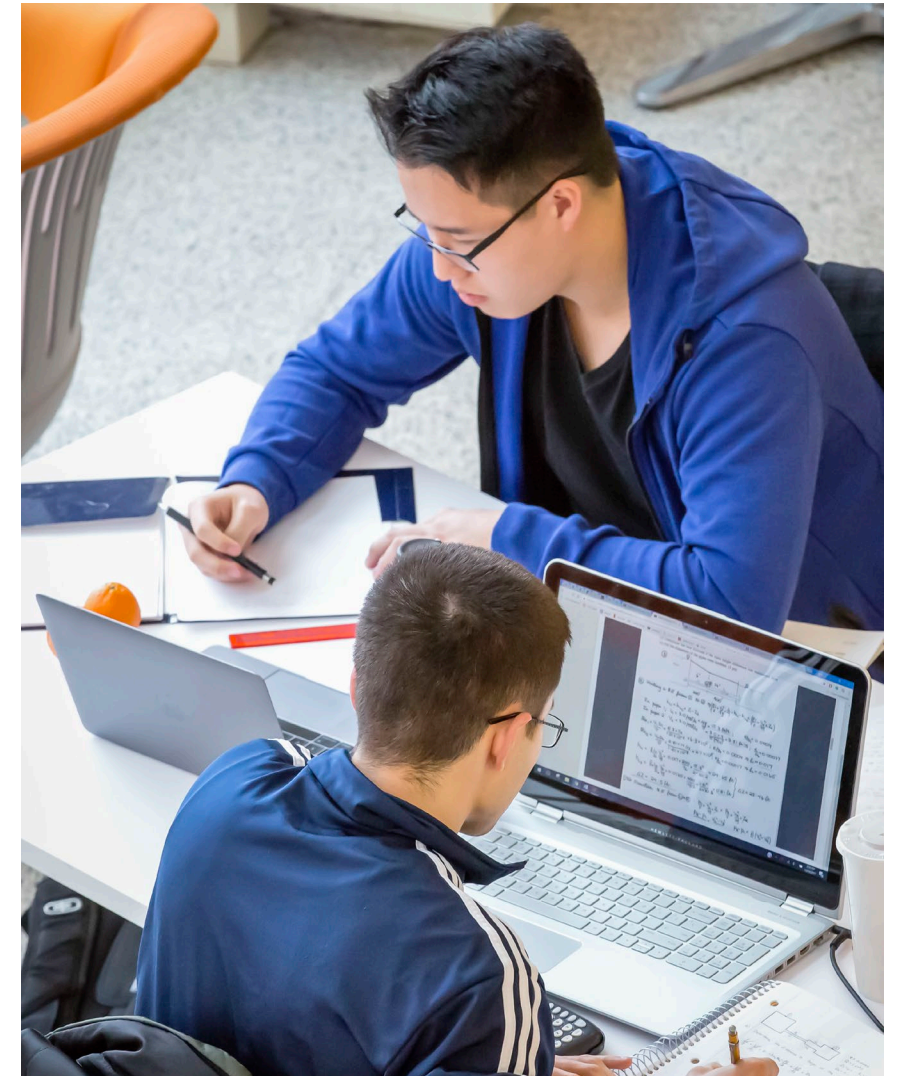
- **CS + Advertising**

## College of Fine and Applied Arts (FAA)

- **CS + Music**, *apply + portfolio + interview*

## College of Education (EDUC)

- **CS + Education**, *accepting applicants enrolling Fall 2023*



## Degree Programs

1. CS+ majors are one degree program
2. CS and CS+ majors take identical core CS curriculum
3. “X” subject is advance coursework with computation infused into the curriculum
4. The college the “X” subject is within is your home college
5. Bachelor degree is granted by home college
6. All CS+ majors are Bachelor of Science degrees recognized by industry as STEM-designated engineering degrees
7. Access to CS **and** “X” department advisors
8. Access to CS **and** “X” department level opportunities
9. Access to Engineering Career Services **and** “X” home college career services
10. All CS+ majors **are** available for major changes/declarations
  - CS in Grainger College of Engineering is **closed** to major changes/declarations

### 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

## Apply starting September 1st

- MyIllini
- CommonApp

## Application Deadlines:

- Early Action Deadline: Nov 1st
- Regular Decision Deadline: Jan 5th

## Admissions Notification Dates:

- Early Action: Jan 27, 2023
- Regular Decision: Mar 3, 2023

## Decision Deadline:

- May 1st

## Select up to 2 majors:

- **1<sup>st</sup> Choice Major:** All engineering majors are available
- **2<sup>nd</sup> Choice Major:** All engineering majors are available **except:**
  - Aerospace Engineering\* (AE)
  - Bioengineering\* (BioE)
  - Computer Science (CS)
  - All CS+ majors\* (CS + X, X & CS)
  - Computer Engineering\* (CompE)
  - Mechanical Engineering\* (ME)
  - Neural Engineering\* (NE)

*\*First-choice only*

## To be most competitive:

1. **Strong GPA**
2. **Academic Rigor:** *Taken multiple advance courses like honors, Advance Placement (AP), International Baccalaureate (IB), Advanced level (A-Level), or dual enrollment*
3. **Physics**
4. **Pre-calc and beyond**
5. **ACT or SAT Scores:** *How do you compare to your high school peers?*
6. **Current engineering experiences:** Classes, camps, clubs, internship, PT job, etc. + **Show understanding of Major + Share goals/dreams**
7. **CS Applicants:** *Direct* computer science experiences

## 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) *for 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)

*\*First-choice only*

## 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 course equivalent curriculum

## To be most competitive:

- B or higher grades in STEM classes
- Mastery of subject matter in prerequisite courses
- Technical coursework completed in 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.

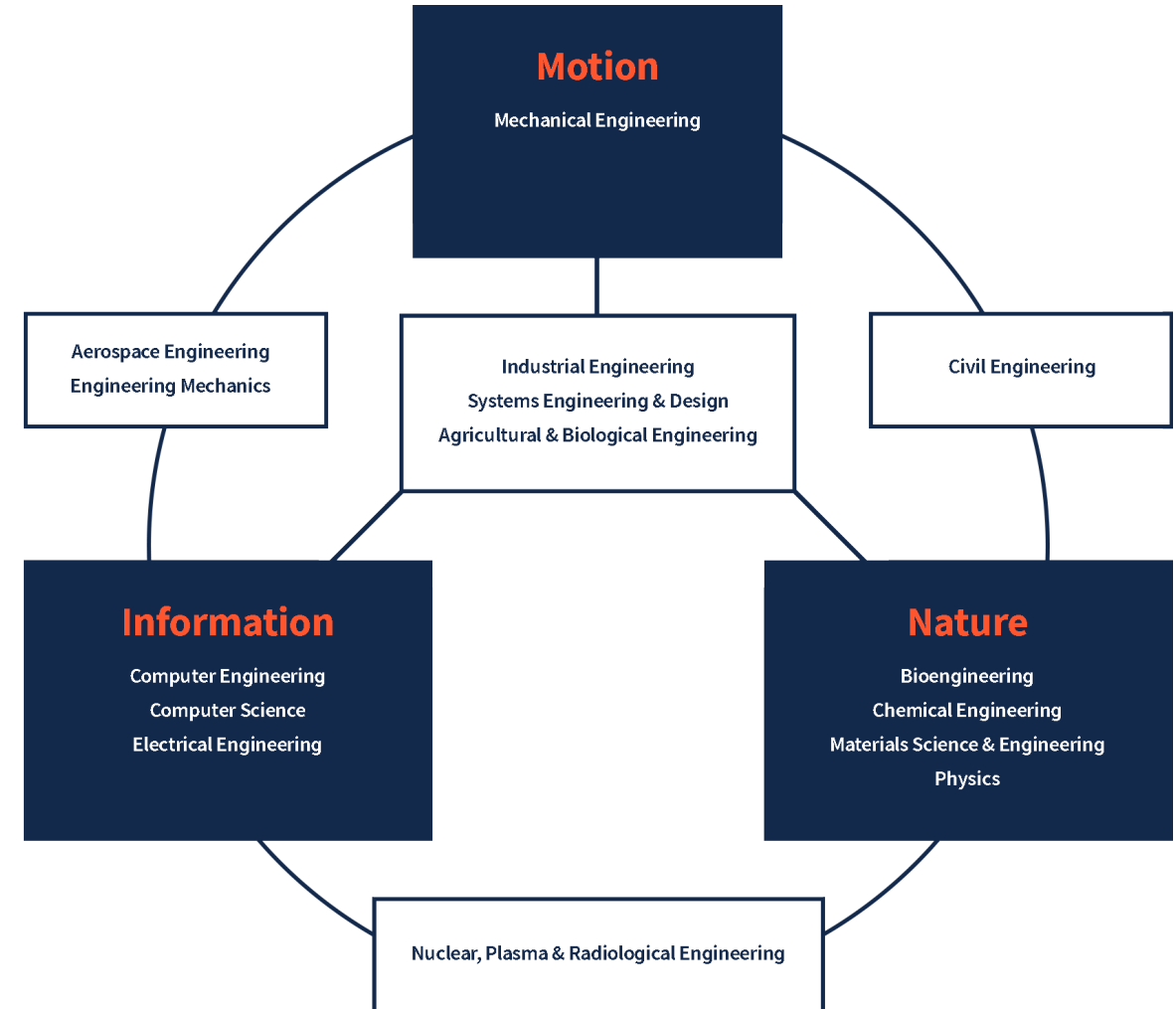
**Think about where your interests are focused, and decide how you want to apply them within disciplines of engineering.**

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

[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)





## FOR QUESTIONS, CONTACT:

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# The Grainger College of Engineering

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN