



I ILLINOIS

Grainger College of Engineering

ILLINOIS GRAINGER ENGINEERING

WE DO THE IMPOSSIBLE EVERYDAY



“The engineering program at the University of Illinois at Urbana-Champaign is simply the best in the nation. I have never been more satisfied with a decision.”

Jacob Perakis
Computer Science

shown on cover

WHY GRAINGER ENGINEERING?

At the University of Illinois at Urbana-Champaign's Grainger College of Engineering you'll follow a curriculum that educates you to be one of the best engineers in the world: innovative, interdisciplinary, hardworking, and someone who makes a difference.

You'll be enabled to craft your own experience with interesting and challenging electives and compelling student organizations. Plus, you'll engage with peers both nationally and internationally through research, conferences, and competitions. As a Grainger Engineer you'll start making your mark from day one.

HIGHLIGHTS

- An elite engineering education with unique learning experiences in a Big Ten environment
- Complete commitment to preparing you for academic and professional success
- Personalized support from faculty, advisors, and staff in your department and the college
- Active, vibrant student communities for building your peer network
- A global, highly-respected community of 80,000+ alumni

SUPPORT

Resources for Your Success

Grainger Engineering is committed to helping you succeed. Our college has resources dedicated specifically to engineering students, meaning you're getting personalized assistance for academic, personal, and professional questions that are unique to your field.

You'll receive educational support for courses that prepare you to be a highly-recruited engineer, guidance using our state-of-the-art facilities, professional development to help you land your dream job, and dedicated resources for entrepreneurship and design.

What This Looks Like

- Individualized advising available from the college, your department, and faculty mentors
- Professional development from Engineering Career Services (ECS), which helps connect you with internships, co-ops, and full-time jobs through workshops and two career fairs each year that attract 450+ companies

- Tutoring and academic support from the Center for Academic Resources in Engineering (CARE), a program in Grainger Engineering Library where you can get help from other engineering students and collaborate on class work in an environment rich with resources
- Immersive experiences with The Grainger Engineering First-Year Experience (GFX), a program that guides you through your transition to Illinois and allows you to work alongside your peers in interactive hands-on electives
- Access to an engineering-specific embedded counselor for resources and assistance focused on mental health

Scholarships


Paying for college can be overwhelming and we do offer scholarships. The number available continues to grow. We offer approximately 500+ scholarships to newly admitted freshmen and award about 80% of newly admitted transfers students yearly. Plus, each year another 150+ scholarships are awarded to continuing students that apply for our college scholarships.

Additionally, we provide resources on finding external scholarship opportunities available to engineering students.

“CARE is a unique learning community where engineering students can work together and ask tutors for help. It’s inspiring when you know everyone really wants you to succeed. At CARE, we tackle every challenge, together.”

Raymundo Muro Barrios
Materials Science and Engineering





“Since day one, Women in Engineering has influenced me. It’s just a huge support system that people need. The WIE office is somewhere where I feel comfortable and can go for advice.”

Mariana Conde
Industrial and Enterprise
Systems Engineering

COMMUNITY

Something for Everyone

Our people are the heart of Grainger Engineering. When students are asked why they chose Illinois, they often answer, “Because it felt like home.” That feeling is intentional. You aren’t a number here. You’re an engineer with a hard work ethic, a driving desire to solve problems, and a commitment to making a difference. And you’re surrounded by peers and educators who feel exactly the same.

It’s easy to build your community by getting involved in 60+ engineering-specific student organizations and groups. They provide hands-on engineering experiences, collaboration with peers, leadership development, and community outreach opportunities. They give you the chance to explore your passions and make lifelong friends, while preparing for the future.

Sample Student Organizations and Groups

- Meet friends and participate in projects like CubeSAT, Hyperloop, Formula SAE, or Alma’s Talking Dogs where you partner with entities like NASA, Tesla, and Space X to improve current technology and build models for future use.

- Get involved with Engineering Council. You’ll grow academically, professionally, and personally through leadership opportunities and interdisciplinary relationships by participating in activities like our popular Engineering Open House, student-led career fair, and recruitment activities.
- Develop your leadership skills in groups like Engineering Ambassadors and Worldwide Youth in Science and Engineering (WYSE) where you share your passion and knowledge of Grainger Engineering with younger students.
- Build a community of support by engaging with fellow students, alumni, and corporate partners through programming provided by Women in Engineering (WIE). WIE provides a welcoming and supportive environment for students in the college and helped increase the number of Grainger Engineering women by 60% in the past five years.
- Help empower and expand the Morrill Engineering Program (MEP). MEP focuses on providing a welcoming environment for underrepresented engineering students, supporting their success as scholars, and creating a friendly community of students, staff, and alumni. The percentage of underrepresented students has increased 55% in the past five years.

EXPERIENCE

More than a Traditional Classroom

In The Grainger College of Engineering, we believe some of the best learning happens outside the traditional classroom. So we've dedicated ourselves to giving you access to hands-on experiences and helping you use your engineering skills out in the real world, well before graduation.

Possible Opportunities

- Study abroad through International Programs in Engineering (IPENG) to live and learn in locations around the world while enhancing your engineering education.
- Research as early as freshman year in groundbreaking labs like those affiliated with the Cancer Center at Illinois. The Illinois Scholars Undergraduate Research (ISUR) program can help you find these opportunities.
- Get hands-on experiences with modern fabrication techniques and services in cutting edge classrooms and educational labs like the Engineering Student Projects Laboratory and the Innovation Studio.

- Spend a semester in Chicago through our City Scholars Program to intern for a tech company and take classes with our faculty.
- Access our leadership and business training workshops, trips, and competitions to propel you forward as an engineer entrepreneur.
- Experience unique learning through senior design projects completed for real clients and courses.

Entrepreneurship

PayPal. YouTube. Yelp. Affirm. Cast 21. All of these companies came from ideas cultivated in Grainger Engineers. The Technology Entrepreneurship Center (TEC) and many other campus resources are here to help foster your ideas and ambitions.

Once in Grainger Engineering, you can also double-major in Innovation, Leadership and Engineering Entrepreneurship (ILEE). It's created to help you better understand the innovative processes involved in identifying complex technical problems and creating, developing, and leading efforts to provide engineering solutions.

“Since coming to Illinois, I learned to say yes more often, was more willing to try new experiences, and got out of my comfort zone more frequently.”

Niki Shah
Mechanical Science
and Engineering



#6

Overall ranking
among undergraduate
programs in the U.S.

13

Top 5 ranked
degree programs

#10

Overall ranking
among graduate
programs in the U.S.

50%

Undergraduates
participate in research



The background of the image is a photograph of a large, modern university building with a mix of brick and glass facades. In the foreground, there is a well-maintained green lawn. The sky is clear and blue. The text is overlaid on the image in white, with red horizontal lines separating the top and bottom sections.

60+

Engineering-based
student organizations

\$78,159


Average BS degree starting
salary

2+

Job offers on
average per
student

80,000+

Grainger Engineering alums
around the world



“People know Illinois is a great engineering school. It really set me apart and got my foot in the door in a lot of places.”

Ethan Graven
Nuclear, Plasma, and
Radiological Engineering

REPUTATION

Unrivalled Strength Across Every Discipline

Grainger Engineering is unmatched in its size and resources to provide an elite education to every student. We are consistently ranked among the top engineering programs in the world, with a reputation for excellence in education and research.

What also makes us stand out is the environment we create while maintaining our prestigious rankings. Our world-class and passionate faculty, paired with our state-of-the-art facilities and innovative programs will help you grow from a new engineering student into a highly respected and recruited engineer.

Rankings

- 13 top 5 ranked degree programs
- #6 undergraduate engineering program in US News and World Report
- #10 graduate engineering program in US News and World Report

- #2 on American Institute of Economic Research's Best College Towns based on demographics, quality of life, and economics
- #7 on Forbes' Top 10 Best Value Schools, based on tuition costs, school quality, graduation success, and post-grad earnings
- #7 in number of most undergraduate and graduate alumni hired by the 25 biggest Silicon Valley employers

Engineering Career Services

Our Grainger Engineering grads are set up for success. We offer an entire office of professional staff focused on preparing you for a career in engineering. With Engineering Career Services you have access to workshops, mock interviews, résumé reviews, two engineering-specific career fairs annually, and so much more. They work to help you find internships, co-ops, and full-time positions.

With a bachelor's degree, our students receive an average 2+ job offers and earn an average starting salary of \$78,159 a year.

ACADEMIC PROGRAMS

Engineering Majors

- Aerospace Engineering
- Agricultural and Biological Engineering¹
- Bioengineering²
- Chemical and Biomolecular Engineering³
- Civil and Environmental Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Engineering Mechanics
- Engineering Physics
- Industrial Engineering
- Materials Science and Engineering
- Mechanical Engineering
- Nuclear, Plasma, and Radiological Engineering
- Systems Engineering and Design

*As a Freshman you may apply to **Engineering Undeclared** to spend more time exploring which major fits you best.*

Engineering Minors

- Bioengineering
- Biomolecular Engineering
- Computer Science
- Electrical and Computer Engineering
- International Engineering
- Materials Science and Engineering
- Physics
- Polymer Science and Engineering
- Hoefft Technology and Management

CS + X Degree Programs⁴

- | | |
|-----------------------------------------------------|----------------------------------|
| • CS + Advertising | • CS + Linguistics |
| • CS + Animal Sciences | • CS + Music |
| • CS + Anthropology | • CS + Philosophy |
| • CS + Astronomy | • Mathematics & Computer Science |
| • CS + Chemistry | • Statistics & Computer Science |
| • CS + Crop Sciences | |
| • CS + Economics | |
| • CS + Geography and Geographic Information Science | |

¹The College of Agricultural, Consumer, and Environmental Sciences admits students to the Agricultural and Biological Engineering major but the degree is granted from The Grainger College of Engineering. ²Transfer students are NOT admitted to Bioengineering. ³The College of Liberal Arts & Sciences administers the Chemical and Biomolecular Engineering major. ⁴All degrees are conferred through the college housing the +X major.

“Whatever your interests, you are likely to find a mentor among the faculty to help you either start a project or to simply ask for advice. They really go above and beyond to work with you and answer any questions you have.”

Than Huynh
Bioengineering



THINKING ABOUT APPLYING?

In Grainger Engineering, you apply directly to your major of interest. This enables you to begin immediately in your field and start building your network of peers from day one. When selecting your major, consider what you enjoy doing now and the difference you want to make in the future. We highly encourage you selecting first and second choice majors on your application.

We consider many factors when making an admission decision. Most applications receive at least two readings, and we double-check all preliminary decisions.

To start the application process visit:
apply.illinois.edu

What's Considered

- Strength of your academic record
- Highest ACT or SAT scores and subscores
- Achievements outside of the classroom, including exposure to major of interest, like self-exploration and attending camps
- Opportunities available to you, like high school curriculum, AP and honors courses, and extracurricular activities
- Essays

We strongly consider your essays in relation to your applied major.

In your essays, discuss your interest in the major you've selected so we understand why you've chosen it and how you developed this interest. We look for experiences related to this major in your activities, honors, and awards.

For your second-choice major, we want to know why you're interested in it, too. In some cases, we may determine that your second-choice major or another program will be a better fit according to your essays, experiences, and strengths. You'll only be considered for these programs if the first choice isn't granted.

Early Action Filing Period

- **September 1 – November 1**
- **Final Deadline to Apply – January 5**

Applying before November 1 may give you the best chance for being admitted to our most selective programs, as well as special attention for admission to honors programs and for merit awards.

Admission Notification

- **Early Action – Mid-December**
- **Regular Decision – Early March**

If you meet our early action deadline of November 1, you will be notified in mid-December. Depending on the competitiveness of the major you select, you may not receive a final decision at this time. If you apply after our early action deadline or don't receive a final decision in December, your decision will be announced in early March.

TRANSFER APPLICANTS

Qualified students are invited to apply for transfer admission to The Grainger College of Engineering. 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 complete application requirements, review the Transfer Handbook at: admissions.illinois.edu/apply/Transfer/handbook

Filing Period

- **Transfer Priority Filing Deadline – February 1**
- **Transfer Application Deadline – March 1**

WE'RE HERE TO HELP

We're a large place. We know countless benefits come from having so many resources and opportunities. But we also realize that can be a bit overwhelming at first.

Rest assured that your confidence and success are of utmost importance. We want you to have all the information you need to feel comfortable with this next step in your education. So feel free to contact us with questions because as stated, we're here to help.

Learn More
granger.illinois.edu/students

Contact Us
Undergraduate Programs
217-333-2280
engineering-nsp@illinois.edu

A group of diverse university students are walking along a paved path on a campus. In the foreground, two young men are walking towards the right, smiling and looking at each other. The man on the left is wearing a blue polo shirt and dark pants, carrying a backpack and a water bottle. The man on the right is wearing a red sweater and grey pants, also with a backpack and holding a folder. Behind them, several other students are walking in the same direction. The background features large trees with green leaves and a brick building with many windows. The overall atmosphere is bright and positive.

**BECOME A
GRAINGER
ENGINEER!**

OUR NEW NAME

We're The Grainger College of Engineering to honor our long and generous relationship with The Grainger Foundation. William Wallace Grainger graduated from the college in 1919 and went on to found W.W. Grainger and The Grainger Foundation, which has provided the college with more than \$300 million in total support.

This is the largest naming gift to a public college of engineering. This benefits every student by supporting modern learning environments, life-changing research, and greater access to one of the best engineering programs in the world.



Grainger College of Engineering

University of Illinois at Urbana-Champaign
Undergraduate Programs
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