WHAT MAKES CORNELL ENGINEERING UNIQUE?

Cornell Engineering students, faculty, and alumni challenge conventional thought, push the limits of imagination, and ask the questions nobody else is asking. Our College of Engineering is the largest and most academically diverse engineering program in the Ivy League. We realize the world faces huge challenges, which in many cases are a direct result of people doing things the way they have always been done. To address many of these global issues, it is going to take unconventional ideas and visionary approaches. At Cornell Engineering, we relish the challenge.

Cornell is not only a top-ranked engineering school. It is also a world-class university with strong departments across the spectrum of academic pursuits. Our students, faculty, and staff are passionate about what they do. Our active, committed alumni are part of a career network second to none. We give you the tools you will need to change the world.

CORNELL ENGINEERING UNDERGRADUATE PROGRAMS: THE VISION

Cornell Engineering will utilize the world-class intellectual resources and interdisciplinary opportunities of the college and university to prepare its undergraduate students for lifelong creation of knowledge and solutions to complex real-world problems.

CORNELL ENGINEERING UNDERGRADUATE PROGRAMS: THE MISSION

The College of Engineering is dedicated to the transformation of its excellence in research and design to a correspondingly outstanding educational experience in engineering and applied science for a diverse group of baccalaureate students. Specific missions are to:

- Enroll and graduate a highly qualified and diverse undergraduate student body and enable their success.
- Continuously improve the quality of the undergraduate education by ongoing evaluation of the common curriculum, assessment of teaching and learning, and implementation of improvements to the program based on those results.
- Infuse the results of ongoing research, the capabilities of technology, the excitement of hands-on learning, and the experience of design projects into the undergraduate curricula.
- Provide high-quality information and guidance to undergraduate students about the college, about curricula, and about future employment possibilities.
- Oversee the educational progress of all students and encourage and enhance their success, both prior to affiliation with a Major and within the Major.
- Collaborate with the faculty and administration of other Cornell colleges and organizations external to Cornell to efficiently provide the best possible undergraduate education.

EXPERIENTIAL LEARNING

Undergraduate Research
Co-ops and Internships
Project Teams
Kessler Fellows
Engineering Leadership Program

ADVISING & STUDENT SERVICES

Faculty and Professional Advisors
Leadership Programs
Academic Excellence Workshops
Diversity Programs in Engineering

UNDERGRADUATE MAJORS

Biological Engineering
Biomedical Engineering
Chemical Engineering
Civil Engineering
Computer Science
Electrical & Computer Engineering
Engineering Physics
Environmental Engineering
Information Science, Systems, & Technology
Materials Science & Engineering
Mechanical Engineering
Operations Research & Engineering
Science of Earth Systems
Independent Major

BREAK THE RULES to DO GREAT THINGS
ADMISSIONS
The admissions process includes a review of each student’s interests, talents, and background for a strong match between the student, the College of Engineering, and Cornell University.

APPLICATION NOTES
Cornell University requires that freshman applicants use the Common Application or the Universal College Application and Cornell Essays that include questions specific to the college to which they are applying. The Engineering question is:

Cornell Engineering celebrates innovative problem solving that helps people, communities…the world. Consider your ideas and aspirations and describe how a Cornell Engineering education would allow you to leverage technological problem-solving to improve the world we live in.

In the application, the ability of candidates to connect their interests to what is available in the College of Engineering is important.

FIRST-YEAR ADMISSIONS APPLICATION DEADLINES
Early Decision: November 1                 Regular Decision: January 2

IMPORTANT NUMBERS (FOR 2016)
First-Year Students:
Applications: 12,112
Admitted: 1,623
Enrolling: 792
Class Composition:
48% female; 52% male students
18% under-represented students
12% international students
Total Undergraduate Students:
Cornell: 14,250
Engineering: 3,000

AFTER GRADUATION
60% enter the workforce
34% pursue graduate school
3% choose other pursuits
3% seeking employment

TOP EMPLOYERS
Oracle
Lockheed Martin
Microsoft
Google Inc.
Amazon

SAMPLE ENGINEERING CURRICULUM

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>Math</td>
<td>Math</td>
<td>Math</td>
</tr>
<tr>
<td>Physics/Chem/Bio</td>
<td>Intro to Engineering</td>
<td>Intro to CS</td>
<td>Engineering Distribution</td>
</tr>
<tr>
<td>Writing Seminars</td>
<td>Approved Electives</td>
<td>Approved Electives</td>
<td>Approved Electives</td>
</tr>
<tr>
<td>Optional</td>
<td>Liberal Studies Distribution</td>
<td>Liberal Studies Distribution</td>
<td>Liberal Studies Distribution</td>
</tr>
</tbody>
</table>

RECENT COURSES TAKEN
Engineering Courses
- Autonomous Mobile Robots
- Ethical Issues in Engineering Practice
- Inventing an Information Society
- Materials: The Future of Energy
- Nanofabrication of Semiconductor Devices
- Biomedical Materials & Devices for Human Body Repair

Non-Engineering Courses
- Anthropology of Organizations
- Mapping the Moving Body
- Psychology of Language
- Renaissance Fencing
- Structural Fabric Design
- Sustainable Architecture: The Science & Politics of Green Building

UNDERGRADUATE MINORS
- Aerospace Engineering
- Applied Mathematics
- Biological Engineering
- Biomedical Engineering
- Business for Engineering Students
- Civil Infrastructure
- Computer Science
- Electrical & Computer Engineering
- Engineering Management
- Engineering Statistics
- Environmental Engineering
- Game Design
- Industrial Systems & Information Technology
- Information Science
- Materials Science & Engineering
- Mechanical Engineering
- Operations Research & Engineering Science
- Science of Earth Systems
- Sustainable Energy Systems

www.engineering.cornell.edu/admissions/
Office of Admissions, College of Engineering, 102 Hollister Hall, Ithaca, NY 14853-3501
607.255.5008 (tel) / 607.255.0971 (fax) / engr_admissions@cornell.edu

Cornell University is an equal-opportunity affirmative-action educator and employer. Produced by the Office of Engineering Admissions. 3/17