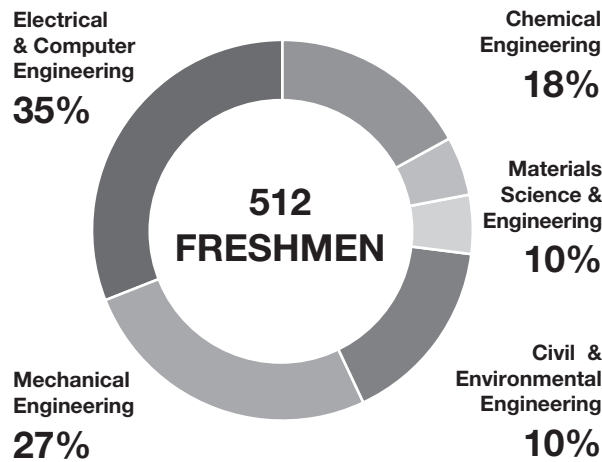


COLLEGE OF ENGINEERING

The college of engineering ranks among the leaders in the world for engineering research and education.

Engineering fosters an environment for innovation and entrepreneurial spirit and as a top 10 engineering college, provides exciting opportunities for interdisciplinary research. It's the second smallest school in the top 20 engineering colleges, with opportunity for true interdisciplinary research.

FIRST-YEAR STUDENTS



Favorite First-Year Courses

- Discipline specific Intro to Engineering
- Biology
- Differential and Integral Calculus
- Chemistry
- Economics
- Language Courses
- Physics

Engineering Admitted Student Statistics

SATCR	SATM	SATWR	ACTE	ACTM	ACTC
680-760	750-800	690-780	33	34	33

Rank 4% GPA 3.87

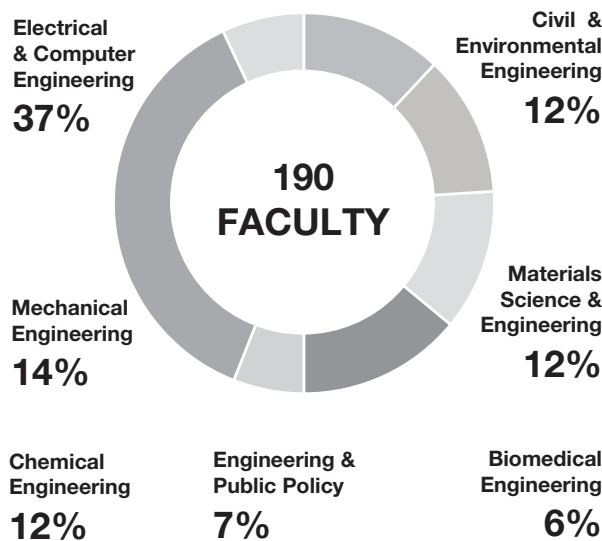
More than 60% of undergrads conduct cutting-edge research. Create new knowledge. Advance their fields. Publish results.

PROGRAMS

- Biomedical Engineering*
- Chemical Engineering (BS)
- Civil Engineering (BS)
- Electrical and Computer Engineering (BS)
- Engineering and Public Policy*
- Materials Science and Engineering (BS)
- Mechanical Engineering (BS)
- Music and Technology (BS)

*May be taken as an additional major only.

FACULTY



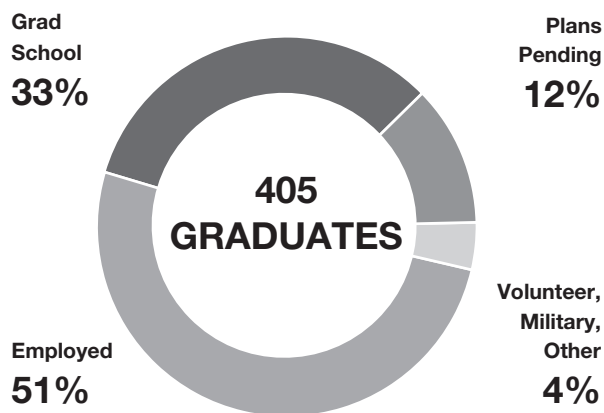
Notable Faculty

David Brumley and Jeanne M. VanBriesen are 2015 Carnegie Science award winners.

- Brumley, ECE, is the director of CyLab, the university's cybersecurity lab. He spearheads picoCTF, a national cybersecurity game and contest targeted at exciting young minds about computer security.
- VanBriesen, CEE, has conducted water-quality research for the past 15 years, focusing on combined sewer overflows, drinking water quality and the impacts of resource extraction. Her research on the treatment and discharge of drilling wastewater was instrumental in developing Pennsylvania state policy.

Carnegie Mellon

GRADUATE SUCCESS



* As of September 16, 2015. Many of the B.S. grads doing graduate work are split between Ph.D. programs and integrated B.S.-M.S. programs that we offer in each department.

Alumni Accomplishments

Carolyn Duran (E'92) and Merline Saintil (CMU'05) were named to Business Insider's list of the **22 Most Powerful Women Engineers in the World**.

Sameer Khaitan (E'06), an environmental specialist at The World Bank in New Delhi, India, is working on the **India National Ganga River Basin Project**, which involves the cleanup of the Ganges River. This project will improve the lives of millions of people by enhancing sanitary and hygienic conditions.

Shoefitr, a startup company co-founded by Matt Wilkinson (E'06), Nick End (E'06) and Breck Fresen (CS'09), was recently acquired by Amazon.

DID YOU KNOW?

1. Over 25 National Science Foundation Fellowships were received by our seniors to study in various graduate schools in the last five years. The fellowship includes over \$40,000 per year stipend/cost of education allowance.
2. Students are assigned an adviser from the College of Engineering Undergraduate Studies Office for the first year. Advisers work with students beginning in June of the summer before enrolling to help them acclimate and register for courses. We also employ 9–10 upperclass student Virtual Peer Advisers, who help answer incoming student questions, via Facebook and email.
3. All of our B.S. Engineering programs offer integrated M.S. programs so interested students can continue their studies for a coursework-based master's degree.
4. The College of Engineering is home to 50 elected members of the National Academy of Engineering, an honorary organization founded to advance the well-being of the nation by marshaling the knowledge and insights of eminent engineers.
5. Society of Women Engineers (SWE) student chapter is consistently recognized nationally for its efforts to provide social and professional development opportunities on campus and outreach to the local Pittsburgh community. One major event is coordination and sponsorship of the Technical Opportunities Conference (TOC) each fall where 300 companies come to campus to recruit students for professional opportunities.
6. The College of Engineering is also referred to by students and alumni as CIT, a reference to its original name, the Carnegie Institute of Technology.

Student Startups

- ▶ Arden Rosenblatt (E'13) and Alejandro Sklar (E'13) created **PieceMaker Technologies**, a company that installs self-service 3-D printing kiosks in stores so that shoppers can design small toys and jewelry.
- ▶ **Hyllion**, a company founded by Thomas Healy and Mario Avila of MechE and Hayden Cardiff of Tepper, was awarded the U.S. Department of Energy Clean Energy Entrepreneurship prize at the 15th annual Rice Business Plan Competition.

RESEARCH



Impact-a-Thon

In this hackathon-like contest, students focus on trying to solve a social issue. Last year, teams created temporary and affordable shelters for the homeless.



DefCon

For the past three years, CMU's cybersecurity team, The Plaid Parliament of Pwning, has won or placed 2nd at the DefCon Capture the Flag competition, which is considered the "World Series of Hacking."



Chemical Cars

The CMU ChemE Car Competition team competed at the AIChE's Mid-Atlantic Regional Conference, and one of their cars won Most Innovative Design Award for its combination combustion engine/bleach clock mechanism.



Build18

The Department of Electrical & Computer Engineering invites undergraduates from around the college to compete in a week of tinkering on self-proposed, creative projects to promote the playful aspects of engineering.

Carnegie Mellon University

OFFICE OF ADMISSION
CARNEGIE MELLON UNIVERSITY
5000 FORBES AVENUE
PITTSBURGH PA 15213-3890
T: 412.268.2082
F: 412.268.7838
E: undergraduate-admissions@andrew.cmu.edu

CarnegieMellonAdmission
 CMU_Admission
 Carnegie Mellon Office of Admission

Choose your program
Change the world

cmu.edu/admission

September 2015