ENGINEERING

Revolutionizing undergraduate engineering

The Institute for Molecular Engineering (IME) realizes a revolutionary model for engineering education and research by bringing together experts from biology, chemistry, math, and physics under one roof. By taking a multidisciplinary approach to addressing societal problems and global issues, UChicago engineers transcend the limits of traditional engineering research and open new doors of discovery. Research themes at the IME include Energy Storage and Harvesting, Immuno-Engineering and Cancer, and Nano-Patterning and Nano-Lithography. Students who major or minor in Molecular Engineering graduate with a valuable conceptual toolbox built from an understanding of the fundamentals of science at the nanoscale.

RESEARCH

A proud legacy of scientific achievement

Research is part of UChicago's DNA. Each UChicago student benefits both from the resources of a world-class research university and from the environment of a residential liberal arts college. It's the best of both worlds in undergraduate science education. Our Core curriculum provides each student with a broad educational foundation, which fosters the spirit of open inquiry that defines our campus culture. This pattern of innovative thinking has helped lead UChicago researchers to discover new species of dinosaurs, the science of ecology, the mathematical theory of black holes, the connection between genetics and cancer, Carbon-14 dating, the measurement of the speed of light, the first controlled self-sustaining nuclear reaction, and much, much more.

UChicago undergraduates have unparalleled access to significant research from day one. Students benefit from over 160 research centers and committees, 11 million volumes in six libraries within the University of Chicago Library system, eight museums and gallery spaces on campus, more than 50 study abroad programs, and countless opportunities for mentoring and advising.

99.999+%

of the speed of light is achieved by electrons in Argonne’s Advanced Photon Source

$450 million

in sponsored research awards each year

80%

of undergraduate students at UChicago get involved in research

The Marine Biological Laboratory in Woods Hole, Massachusetts
RESOURCES

Cutting-edge facilities for world-changing research

A vast network of facilities and over 160 research institutes affiliated with the University support UChicago researchers.

- **Fermilab** is a Department of Energy National Laboratory named for UChicago professor and Nobel laureate Enrico Fermi that explores the nature of the universe using state-of-the-art particle accelerators.

- **Argonne National Laboratory** is the United States’ first science and engineering National Laboratory, and its researchers work to solve vital energy, health, technological, and security problems.

- **The Marine Biological Laboratory** in Woods Hole, Massachusetts, hosts researchers who study biology, biomedicine, and environmental science.

- **The Chicago Center for Cosmochemistry** pursues projects that include studying meteoric isotopes, measuring stardust grains, and examining samples of comets and asteroids.

- **The Chicago Quantum Exchange** is an intellectual hub for advancing academic and industrial efforts in the science and engineering of quantum systems.

- **The Pierre Auger Observatory** in Argentina and the **Yerkes Observatory** in Wisconsin turn an eye towards cosmic rays, stellar motions, and astronomical happenings.

- **The Pritzker School of Medicine** and **the University of Chicago Medical Center** give undergraduates limitless possibilities for medical and biological research on UChicago’s campus.

GROWTH

Lifelong support for STEM careers

Undergraduates are supported by their academic advisors, professors, alumni, and Career Advancement advisors. Students of any major can participate in UChicago Careers in Science, Technology, Engineering, and Math (UCISTEM), which organizes a workshop curriculum, research opportunities, internships, treks, and innovation competitions. Recent career treks have visited Palo Alto, New York City, and Beijing, and have toured companies like Caterpillar, Google, and Chrysler Group. The Polsky Center for Entrepreneurship and Innovation works with STEM students to foster a culture of entrepreneurship and bridge the gap between theoretical research and commercial applications, creating an incubator environment to foster undergraduates’ entrepreneurial spirit.