Research is part of UChicago’s DNA. We are uniquely positioned to lead in undergraduate science education—as a residential liberal arts college, nestled within a world-class research university, every UChicago student gets the best of both worlds. Open inquiry and interdisciplinary approaches define our culture, from the Core Curriculum that enriches each student to faculty who hold appointments in multiple departments. This spirit of innovative thinking made possible our scientific breakthroughs: the structure of DNA, new species of dinosaurs, the science of ecology, the mathematical theory of black holes, the connection between genetics and cancer, Carbon-14 dating, measuring the speed of light, how to preserve blood, and the first controlled, self-sustaining nuclear chain reaction.

A PROUD LEGACY OF SCIENTIFIC ACHIEVEMENT

New majors in engineering and computational and applied math give UChicago students more academic options than ever before. The Institute for Molecular Engineering (IME) utilizes a groundbreaking model for engineering education and research. Molecular engineering uses nanotechnology to create processes and new materials to solve big problems. The IME brings together experts from biology, chemistry, math, and physics under one roof, creating a revolutionary engineering division. Rather than specializing in traditional areas, UChicago’s engineers take a multidisciplinary approach to address issues from energy and human health to water purification and quantum computing.
LEADING-EDGE FACILITIES FOR WORLD-CHANGING RESEARCH

A vast network of facilities and over 150 research institutes affiliated with the University support UChicago researchers.

- **Fermilab** is a particle accelerator complex named for UChicago professor and 1938 Nobel laureate Enrico Fermi.
- **Argonne National Laboratory** was the first science and engineering national laboratory in the United States.
- **The Marine Biological Laboratory** in Woods Hole, Massachusetts is the site of year-round research.
- **Ben-Gurion University of the Negev** has partnered with the IME to develop water purification technology.
- **The Toyota Technological Institute at Chicago** furthers education and research in computer science on campus.
- **The Pierre Auger Observatory** in Argentina and the **Yerkes Observatory** in Wisconsin study astrophysics.
- **The Pritzker School of Medicine** and **the University of Chicago Medical Center** are located on campus, giving undergraduates limitless possibilities for research.

Undergraduates are supported by their academic advisors, professors, alumni, and Career Advancement specialists. 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 Chicago Innovation Exchange works with STEM students to foster a culture of entrepreneurship and bridge the gap between theoretical research and mass-market applications, creating an incubator environment to foster undergraduates’ entrepreneurial spirit.

The Society of Women Engineers recognized Argonne National Laboratory with its 2014 Golden Family Award for organizations that support families in the workplace.