

# ENGINEER YOUR FUTURE AT UCHICAGO



PHD PROGRAMS





### Intentionally Interdisciplinary

The Pritzker School of Molecular Engineering at the University of Chicago is uniquely organized with a powerful interdisciplinary approach to innovate solutions to some of humanity's biggest challenges. Our faculty and students drive success in quantum science and engineering, immunoengineering, and materials for sustainability.

**\$640M**

UChicago PME has helped catalyze more than half a billion dollars in regional investment to Chicagoland

**21%**

of UChicago PME faculty are members of a National Academy

**1st**

US University on *Nature Index* for top Quantum Schools (Summer 2025)

**\$1.55M**

average annual research expenditures per faculty

**44**

faculty members, including 10 joint appointments

**15**

incorporated startups, and more emerging

**373**

invention disclosures resulting in  
**156** patents licensed since  
UChicago PME's inception

### STUDENTS

**352** graduate students

**134** undergraduate students

**42** countries represented

**36%** female enrollment and growing

# Engineering at UChicago

The University of Chicago has a rich history of shaping and defining new fields of study. The Pritzker School of Molecular Engineering at the University of Chicago (UChicago PME) is the first school in the nation dedicated to molecular engineering, which applies molecular-level science to the design of advanced devices, processes, and technologies to solve pressing real-world issues like providing clean water and energy, quantum information, and advanced medical solutions and devices.

## The PhD Programs at UChicago PME

The PhD programs at UChicago's Pritzker School of Molecular Engineering offer a team of world-class faculty researchers from an array of science and engineering disciplines who take a hands-on approach to mentoring students.

You'll explore your scientific interests while developing the skills necessary to excel in careers across academia, industry, government, and nonprofits.

### Master Core Skills

The core curriculum provides the foundation to master skills within multiple engineering fields. Fine-tune your education in the field of your choice through in-depth courses in molecular engineering or quantum science and engineering, with additional opportunities in physics, chemistry, biophysics, computer science, immunology, cancer biology, bioengineering, and more. You'll approach engineering challenges from a multidisciplinary lens rather than through a singular traditional discipline.

### Prepare to Lead

Engage in independent research your first year. Take elective courses and impactful short programs that develop core competencies in communication, knowledge synthesis, scholarship, leadership, and entrepreneurship—the skills you'll need to go from discovery to innovation to real-world application.

### Broaden Your Expertise

PhD students can participate in elective coursework and programming at top-ranked Booth School of Business, Harris School of Public Policy, the Polsky Center for Entrepreneurship and Innovation, and other departments across campus.

## Engage and Collaborate

At UChicago PME, you'll have an opportunity to cultivate relationships with partners from a wide range of disciplines across the University of Chicago, Argonne National Laboratory, Fermilab, and with industrial partners.

**"There's a collaborative spirit throughout the entire school. Often, I find solutions to problems simply by talking to someone working on something completely different from what I do."**

**José A. Méndez**



## Cutting-Edge Facilities

Extensive facilities for growth, fabrication, and characterization include the Pritzker Nanofabrication Facility, the Soft Matter Characterization Facility, and the Single Cell Immunophenotyping Core. UChicago's integral partnership with Argonne National Laboratory provides access to additional world-class laboratories and tools.

# Career-Advancing Degree Options

## PhD in Molecular Engineering

The PhD in Molecular Engineering emphasizes solution-focused collaboration and allows students to focus on Immunoengineering or Materials Systems for Sustainability and Health.

## PhD in Quantum Science and Engineering

The PhD in Quantum Science and Engineering is the first degree of its kind in the nation, focused on topics that will shape the quantum future. These include quantum computing, quantum communications, quantum materials, and quantum sensing.

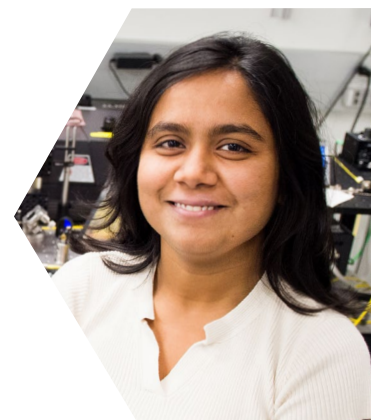
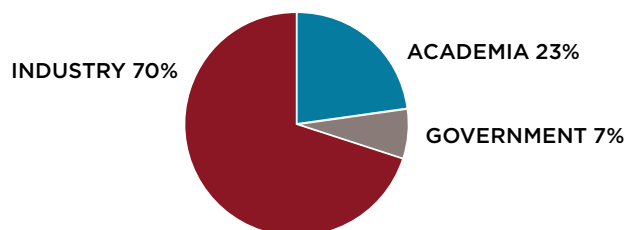
## Broaden Your Professional Horizons

As a PhD student at UChicago PME, you are part of a larger network that spans the University of Chicago and beyond, academically and professionally.

UChicago PME graduates have gone on to work with the following entities:

- AbbVie
- Apple
- Applied Materials
- Argonne National Lab
- AstraZeneca
- Bain and Company
- DRW Trading
- Eli Lilly
- Genentech
- Goldman Sachs
- Google
- HRL
- Intel
- Lam Research
- LinkedIn
- Merck
- National Institutes of Health
- Pfizer
- PsiQuantum
- Stanford University
- Syensqo
- Yale University
- And many others!

Post-graduation, UChicago PME graduates pursue careers in:



# Engineer Your Future Find Out More



Start your journey here:  
[pme.uchicago.edu/apply](https://pme.uchicago.edu/apply)

Have questions?

Connect with our Dean of Students Office by emailing [applypme@uchicago.edu](mailto:applypme@uchicago.edu) or calling 773.702.1592.





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THE UNIVERSITY OF CHICAGO

**PRITZKER SCHOOL OF  
MOLECULAR ENGINEERING**



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