

ENGINEER YOUR FUTURE AT UCHICAGO



PHD PROGRAMS



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 (PME) at the University of Chicago 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 PME

The PhD programs at UChicago's Pritzker School of Molecular Engineering offer a team of world-class faculty researchers from diverse science and engineering disciplines who take a hands-on approach to mentoring students. You'll work closely with our renowned and distinguished faculty to explore your scientific interests while developing the skills necessary to excel in careers across academia, industry, government, and nonprofits.

Master Core Skills

Our core curriculum provides you with 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 be trained to attack engineering challenges from a multidisciplinary approach rather than through a singular traditional discipline.

Prepare to Lead

Engage in independent research beginning in 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

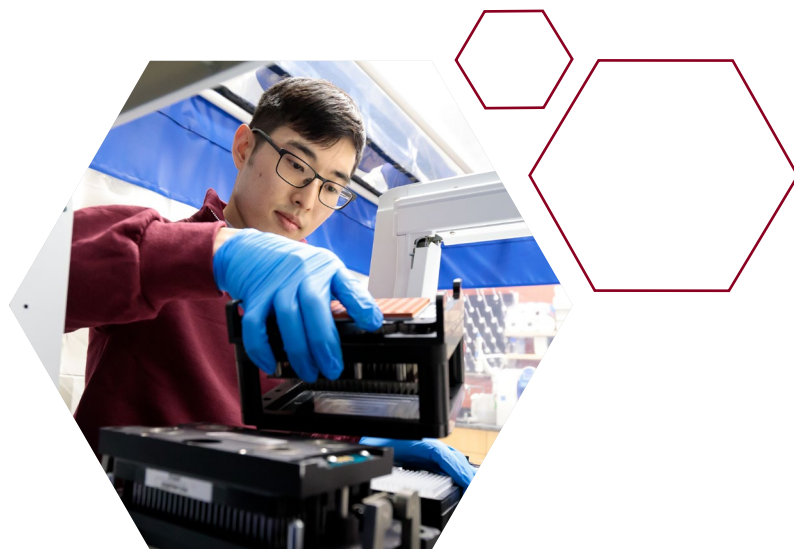
PhD students can participate in elective coursework and programming at top-ranked Booth School of Business, Harris School of Public Policy, the Polsky Center for Entrepreneurship and Innovation, and other departments across campus.

Engage and Collaborate

At 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.

Flexible Research Opportunities

PME offers opportunities to pursue your PhD project with scientists and engineers in the Physical Sciences Division, Biological Sciences Division, Pritzker School of Medicine, and Argonne National Laboratory.



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 PME faculty and students 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.

Learn with an Interdisciplinary Cohort

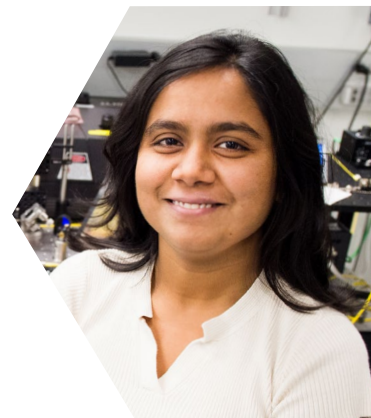
PME takes pride in the diverse range of disciplines our students represent. Our school brings together accomplished graduates from a variety of fields to research and learn from one another collaboratively.

“There’s a collaborative spirit throughout the entire PME. Often, I find solutions to problems simply by talking to someone working on something completely different from what I do.”

José A. Méndez

Join a Robust Network

As a PhD student, you are part of a larger network that spans the University of Chicago and beyond academically and professionally. PME graduates have gone on to work with Apple, Eli Lilly, PPG Industries, AstraZeneca, IBM, Boeing, Google, Intel, Yale University, Harvard University, Argonne National Laboratory, National Institutes of Health, Department of Energy, Sandia National Laboratories, and many more organizations.



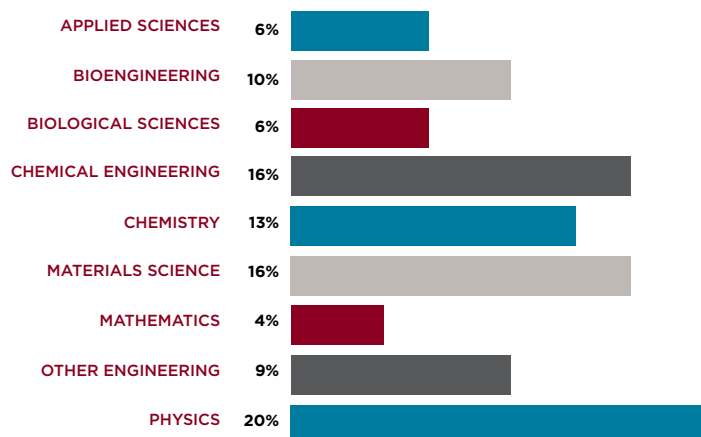
Engineer Your Future Apply Now

Start your journey here:
pme.uchicago.edu/apply

Have questions?

Connect with our Dean of Students Office by emailing applypme@uchicago.edu or calling 773.702.1592.

PME Students Come from a Variety of STEM Backgrounds:





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THE UNIVERSITY OF CHICAGO
**PRITZKER SCHOOL OF
MOLECULAR ENGINEERING**



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