CHEMICAL ENGINEERING
UNIVERSITY of WASHINGTON

Ph.D. Program

Join a community of innovators

The people of UW ChemE engineer the molecules, materials, and devices that enable us to better treat disease, produce clean energy, and live more sustainably.

When you pursue a Ph.D. in ChemE at UW, you become part of a close-knit community of talented students and faculty. Our culture of collaboration allows students to develop the research and writing skills they'll need for a rewarding career, while always keeping their best interests in mind. Our support structure ensures students make steady progress and hit their milestones. We shoot for 5 years to a degree, though there is no single pathway to a Ph.D.

Advanced Data Science degree option available

GRE scores are not required and not factored into admission decisions

Student achievement

- Graduate students supplement their ChemE training with related offerings in policy, data science, and clean energy
- Away from campus, they participate in programs such as the Mirzayan Science & Technology Policy fellowship and the Ewha-Luce International Seminar for women in STEM
- Alumni of our program go on to achieve success as faculty at top institutions around the country, as industry executives, and as entrepreneurs. They are regular fixtures on AIChE's 35 Under 35 list and as NSF CAREER award winners

A CULTURE OF INCLUSION

We've worked hard in UW ChemE to cultivate an environment that's inclusive and equitable. Among other actions, we use community-vetted rubrics for hiring and admissions decisions, facilitate trainings to reduce discrimination and harassment, and support the nation's first chapter of Women in Chemical Engineering (WChE).

Learn more and apply

www.cheme.uw.edu

WHERE WE LEAD IN RESEARCH

- Advanced materials & interfacial engineering
- Data science & molecular simulation
- Health & biotechnology
- Energy systems

HOW WE PUT STUDENTS FIRST

- A faculty committee invested in your success
- Department graduate program team to support your progress
- Generous financial support throughout your studies

WHY OUR FACULTY STAND OUT

Leaders across campus

- François Baneyx: Director of CoMotion, UW's innovation hub
- David Beck: Director of Research, eScience Institute
- Buddy Ratner: Co-Director, Center for Dialysis Innovation
- Dan Schwartz: Director, Clean Energy Institute

Excellence in research

- 4 AAAS Fellows
- 6 Washington State Academy of Sciences members
- 6 NSF CAREER Award recipients

Studying at UW ChemE, living the Pacific Northwest life

CULINARY SCENE

- Discover Seattle's great coffee, award-winning craft breweries, and diverse cuisines
- Roam world-famous Pike Place Market

ARTS & CULTURE

- Catch a show at a historic live music venue or see a play at the Seattle Repertory Theatre
- Browse museums such as the Museum of Pop Culture and the Chihuly Art Museum

OUTDOOR RECREATION

- Enjoy Seattle's vast blue space in a kayak
- Hike and camp to your heart's content
- Get out on skis, snowboard, or snowshoes

EXCELLENT JOB PLACEMENT PROSPECTS

- Regional strengths in cleantech, biotech, data science, and medicine

UW is the
highest ranked public university
on Reuters' World's Most Innovative Universities list, and comes in at #17 in the world on the 2022 Academic Ranking of World Universities

UW ChemE is committed to providing a
safe and inclusive environment
for all members of our community. We continue to implement evidence-based changes that make an engineering education accessible to all.