Doctorate in Mechanical Engineering

WORLD-CLASS, HIGH-IMPACT RESEARCH

www.me.udel.edu/phd
University of Delaware’s faculty of internationally recognized scholars are affiliated with multidisciplinary research centers of excellence featuring state-of-the-art facilities in core research areas:

- Biomedical Engineering
- Clean Energy
- Composite Materials
- Nanotechnology
- Robotics

Many of our Ph.D. students are now world-recognized leaders in academia, government and industry. Focusing on critical areas ranging from sustainable energy to human health and national security, our faculty and students are making bold steps towards new technologies and better solutions to contemporary problems.

The Department of Mechanical Engineering houses the Center for Biomechanical Engineering Research (CBER), and the Center for Fuel Cell Research (CFCR). Other affiliated research centers and institutes include the Center for Composite Materials (CCM), the Delaware Rehabilitation Institute (DRI) and the University of Delaware Energy Institute (UDEI). Several critical college and university-wide academic programs and research centers originated in our department.

Reflecting the interdisciplinary nature of our research, many of our faculty members hold joint or affiliated appointments in other departments.

An annual budget of more than $9 million allows us to constantly strive to expand knowledge of the world around us. Learn more about our high-impact research:

www.me.udel.edu/research/
Mix interdisciplinary research, human ingenuity, abundant resources and a location in a state known as an incubator of global, entrepreneurial R&D, and you have Idea Leadership. At UD, discovery, invention and innovation matter. The close coordination of our high-impact academic research in our core areas has broad influence on our global society. Delaware is a small state, but we think BIG!

Admission

Global, green and engaged. Our job is not finished until our ideas, our expertise and our people make a real and significant difference in the world. Join us in multidisciplinary research focusing on the most compelling scientific and technical challenges of our age.

Applicants must have a bachelor's degree in mechanical engineering or a closely related field of engineering, science or mathematics. Admission is selective and competitive based on the number of well-qualified applicants and research opportunities available with the faculty. Meeting the stated minimum academic requirements does not guarantee admission.

Fellowships and Research Assistantships

Awards of financial assistance (fellowships and assistantships)—which include graduate tuition and a competitive stipend—are made on the basis of merit. Students who complete applications by January 15 are given preference.

Learn more and apply online: www.me.udel.edu/phd/
UD has a tradition of excellence, from our roots extending back to a small private academy started in 1743, to the research-intensive technologically advanced institution of today. UD is a Land Grant, Sea Grant and Space Grant Institution. The Carnegie Foundation for the Advancement of Teaching classifies UD as a research university with very high research activity—a designation accorded fewer than 3 percent of U.S. colleges and universities.

Tradition of Excellence

Join the more than 3,500 graduate students pursuing degrees from UD’s doctoral and master’s degree programs.

UD is centrally located along the nation’s northeast corridor between New York and Washington, D.C., with major cities of Philadelphia and Baltimore, and government research laboratories, such as the U.S. Army Research Laboratory at Aberdeen Proving Ground and the U.S. Naval Research Laboratory, just a short drive away. Convenient access to transportation puts the cultural, economic and political centers of the world within your reach.

UD ranks among the nation’s top 100 universities in federal R&D support for science and engineering.

“Conduct research with professors who are internationally recognized scholars in the fields aligned with our core research areas of biomedical engineering, clean energy, composite materials, nanotechnology and robotics.”

SURESH ADVANI
Department Chair
The University of Delaware does not discriminate on the basis of race, color, national origin, sex, disability, religion, age, veteran status, gender identity or expression, or sexual orientation in its employment, educational programs and activities, and admissions as required by Title IX of the Educational Amendments of 1972, the Americans with Disabilities Act of 1990, Section 504 of the Rehabilitation Act of 1973, Title VII of the Civil Rights Act of 1964, and other applicable statutes and University policies. The University of Delaware prohibits sexual harassment, including sexual violence. Inquiries or complaints may be addressed to: Susan L. Groff, Ed. D., Director, Institutional Equity & Title IX Coordinator, 305 Hullihen Hall, Newark, DE 19716, (302) 831-3666. For complaints related to Section 504 of the Rehabilitation Act of 1973, please contact: Anne L. Jannarone, M.Ed., Ed.S., Director, Office of Disability Support Services, Alison Hall, Suite 130, Newark, DE 19716, (302) 831-4643 OR contact the U.S. Department of Education - Office for Civil Rights.