

MechSE

Undergraduate Degree in Engineering Mechanics (EM)



I ILLINOIS

Mechanical Science & Engineering

GRAINGER COLLEGE OF ENGINEERING

"I chose EM because I had a strong interest in physics and research. The curriculum was challenging yet rewarding, and it brought me close to a group of students who became my best friends. I discovered that I wanted to research alternative energy sources, so I customized my secondary field to include thermodynamics, heat transfer, and energy systems. My unique course work and design project experience helped me earn a Graduate Research Assistance position at Georgia Tech experimenting with solar thermal power."
—Gregory Wilk, EM graduate 2013

"We value Illinois Engineering Mechanics students because they are very strong in the fundamentals and have an appreciation for complex problems and research."
—Juan G. Santiago,
Professor of
Mechanical Engineering,
Stanford University

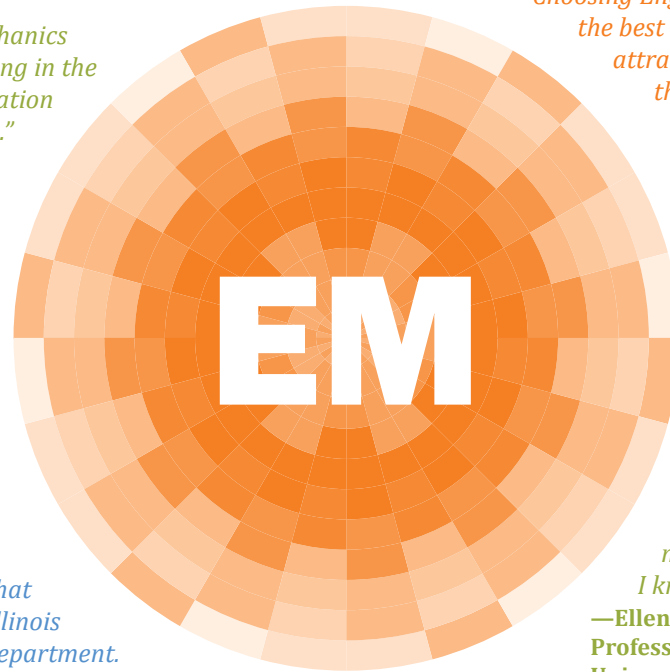
"The advantage of the Illinois Engineering Mechanics program is not only that it is unique among the top U.S. Engineering programs, but that it is so designed that the students in the program receive a state-of-the-art modern education because they have access to a large selection of the advanced courses that are offered throughout the entire Illinois College of Engineering and Math Department. In addition, EM graduates are educated solidly in fundamental science, which allows them to understand the complex mathematical and mechanical principles behind advanced research problems. This unique understanding positions an EM graduate to be able to engage with a diverse set of scientists in industrial settings and apply for a wide variety of jobs or positions in graduate programs throughout the country."
—Professor Petros Sofronis,
Associate Head for Mechanics Programs at Illinois

"Among the strongest applicants to our graduate program at MIT are those from the Engineering Mechanics program at UIUC. The rigor, breadth, and depth of their education provide them with a very strong foundation on which to build a career in research."
—Rohan Abeyaratne,
Quentin Berg Professor of Mechanics,
Massachusetts Institute of Technology

"Choosing Engineering Mechanics at UIUC was one of the best decisions in my life! The first thing that attracted me to Engineering Mechanics was the smaller student body and smaller student-to-teacher ratio. The close relationships I made with students and faculty helped me to make our huge university small."
—Stephanie Ott-Monsivais,
Academic Advisor in MechSE

"I look to recruit Illinois Engineering Mechanics students into my laboratory at Michigan because they're well prepared for graduate work thanks to the rigorous course load in mathematics and mechanics at Illinois, and I know they can succeed here."
—Ellen Arruda,
Professor of Mechanical Engineering,
University of Michigan

"We are looking for Illinois Engineering Mechanics students for our graduate program at Caltech because of their excellent preparation and their potential to undertake advanced research. They are proven to be exceptionally bright and have outstanding communication skills."
—G. Ravichandran,
Director of Graduate Aerospace Laboratories,
California Institute of Technology



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