

EXPLORE

Mechanical Engineering



PennState
College of Engineering

The mechanical engineering program at Penn State offers a modern curriculum with extensive opportunities to empower our students to improve the world and our daily lives. As a result, our graduates are highly regarded and actively recruited by employers.

As one of the broadest engineering disciplines, mechanical engineering provides the foundation for almost all other majors in the field. The Department of Mechanical Engineering at Penn State is one of the nation's largest and most successful engineering departments. Our students apply mathematical and scientific principles to find solutions to the challenges facing our society.

The curriculum features hands-on experiences that bring engineering principles to reality. From experiential laboratory components to a series of design courses, the program emphasizes innovation to prepare students for a limitless number of career paths, from industry to academia. The design component culminates in an industry-sponsored senior design project, where students work as a team to solve a real-world issue.

Recognizing that diversity enriches the educational experience and improves the engineering profession, the program fosters a commitment to increasing the enrollment of, and actively supporting, students from all backgrounds.

The department and the mechanical engineering alumni society jointly support a robust mentoring and networking program for our students. Students can initiate a mentoring connection with an alumnus and alumni, in turn, provide guidance, and networking opportunities for students.

For more information about the mechanical engineering program, visit me.psu.edu.

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Hear from students and alumni by watching the Exposure to Major video series: bit.ly/PennStateEngineering



Engineering Ambassadors

Build leadership skills and enhance your resume through the outreach program that seeks to motivate the next generation of engineers.



Undergraduate Research

Conduct research alongside our world-renowned faculty, who investigate highly relevant research areas such as energy, computations, biomedical devices, nanotechnology, and transportation systems.



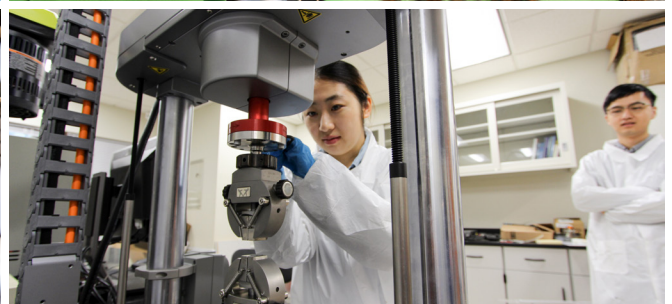
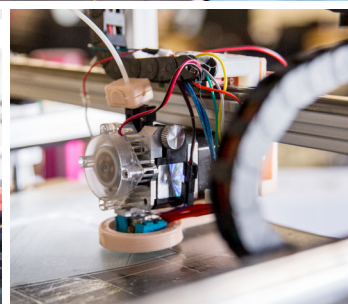
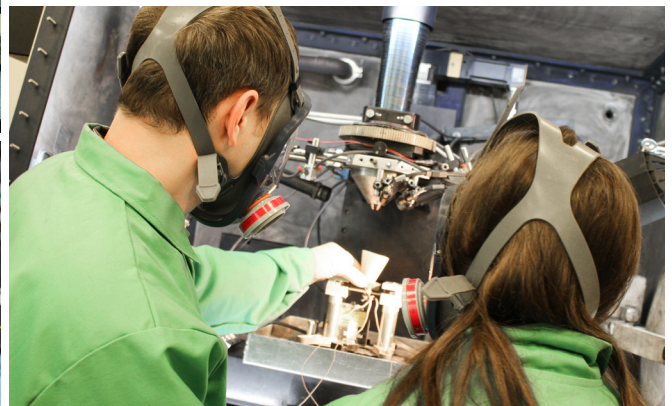
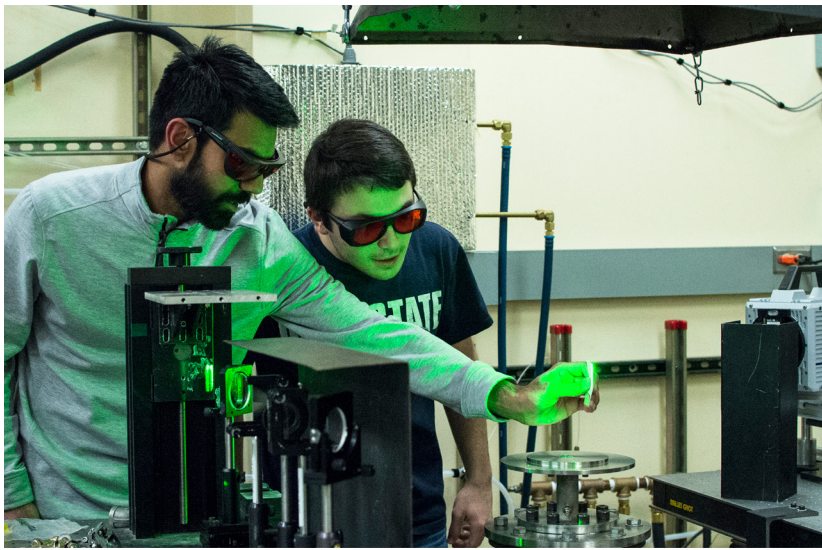
Mentoring Programs

Tap into the extensive alumni network with connections and professional development from the Penn State Mechanical Engineering Alumni Society.



Study Abroad

The Semester Abroad program offers exchange opportunities at universities in China, Singapore, England, Germany, France, Australia, and more, providing you with the opportunity to spend a semester overseas with a selection of courses that can fulfill your major degree requirements.



What is a mechanical engineer?

Mechanical engineers are creative problem solvers who are passionate about designing and building things that make our lives better. The homes we live in, the cars we drive, the power we need to charge our phones and fly our planes, and the new technologies that are developing—these are all ways mechanical engineers contribute to our health, happiness, and safety, and often change the way we think about the world.

Examples of career opportunities: Design engineer; research engineer; analyst; entrepreneur; test engineer; rocket engineer; project manager; sales engineer

me.psu.edu

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Jenny Lynskey

“The great thing about the mechanical engineering program is it prepares you to do anything. Through the curriculum, you’ll get a great foundation within engineering, and through your technical electives, you can develop what you’re passionate about. If you want to focus on robotics, or combustion engines, or vibrations, you’ll have the opportunity to specialize your degree and learn even more.”