

EXPLORE

Civil Engineering



PennState
College of Engineering



"Our mission in the Department of Civil and Environmental Engineering is to conduct high-impact research on needed topics for society, deliver an outstanding education to our students, and provide leadership to the civil engineering profession and the public."

— Patrick Fox, Department Head

Our curriculum provides a broad-based education in construction engineering and management, environmental engineering, geotechnical and materials engineering, structural engineering, transportation engineering, and water resources engineering. We accomplish this through a base of physics, mathematics, project management, design, and specific civil engineering-focused courses along with hands-on project-based learning and real-world experiences.

We have a number of professional society student chapters to allow for the exploration of civil engineering outside the classroom. Students have access to speakers, career fairs, plant tours, conferences, competitions, professional contacts, leadership opportunities, and social events.



80+ 

Average number of companies at the American Society of Civil Engineers annual career fair

245K

Amount awarded in scholarships in 2020-21

Engineering Co-Ops and Internships

Integrate classroom learning with real-world experience

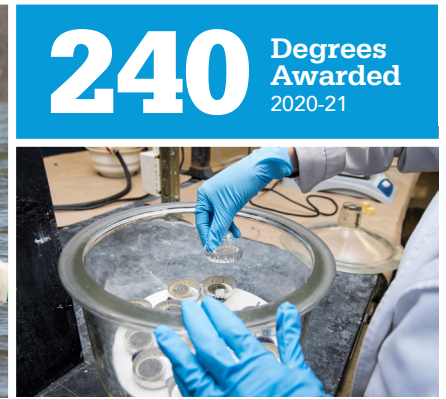


You might like this program if...

- You want to design and build large-scale projects that last a lifetime.
- You care about the quality of the water that comes out of the faucet.
- You are interested in the operations and safety of future transportation systems.
- You try to find sustainable solutions for every challenge, big or small.
- You would like to apply your technical skills in an exciting, people-serving profession.

CE

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



240 Degrees Awarded
2020-21

What is a civil engineer?

Civil engineers (CEs) are trained to solve the design, construction, and maintenance concerns of the natural and physically built environment. They deal with public works including highways, railroads, bridges, buildings, and water and energy systems. CE seek to tackle some of the major problems facing engineering today and lead the industry in research discoveries and design innovations. They work in a variety of fields to develop solutions for challenges in design, construction, research, and education.

Examples of career opportunities: Municipal/state/federal government; consulting engineering; private industry; construction industry; non-governmental organizations; academia



Autumn Deitrick
Class of 2021

"I've worked closely with multiple faculty and received unparalleled mentorship which provided the guidance and confidence to challenge myself in the lab and classroom. In each of my CE courses, professors passed on their excitement for the subject along with invaluable knowledge."



cee.psu.edu

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