



PennState
College of Engineering

BUILDING Toward the Future

The Engineering Transformation at University Park



Meeting the Needs of Society

As a global leader in engineering education and research, the Penn State College of Engineering has grown over our **125-year** history into the largest college at Penn State and one of the largest engineering colleges in the nation. With more than **12,000** undergraduate and graduate students, more than **850** faculty and staff, and more than **120,000** alumni around the globe, our engineering community has the power and reach to inspire change and impact tomorrow.

WE ARE:

- **Engaging** with local and international communities to help solve humanity's greatest challenges
- **Building** a more inclusive academic environment in support of a more diverse engineering workforce
- **Partnering** in new ways across Penn State and with government and industry
- **Modernizing** our facilities as part of an initiative that will reshape Penn State's University Park campus.

We invite you to learn more about the ongoing transformation of the Penn State College of Engineering and how you can help to support our efforts to engineer solutions and build a better future.

enr.psu.edu/master-plan

West Campus Expansion

In 2018, Penn State engaged Payette, a Boston-based architecture firm, to develop a master plan and framework to increase the quantity, improve the quality, and optimize the distribution and organization of the College of Engineering's physical space across two budgetary funding cycles through 2028.

Construction of the West 1 and West 2 Buildings, part of a re-imagined West Campus, are the first components of the plan that will also transform the college's presence on Central Campus and our impact across the country and around the globe.



"Educating the engineers of tomorrow, deploying groundbreaking research methods to address challenges that span disciplines, connecting and reconnecting with alumni and industry partners—activities like these at the core of our identity are supercharged in **SPACES PURPOSEFULLY DESIGNED TO SPARK CREATIVITY AND COLLABORATION**. These are more than buildings; they are opportunities for our faculty and students to impact society in deeply meaningful ways."

JUSTIN SCHWARTZ, Harold and Inge Marcus
Dean in the College of Engineering



DID YOU KNOW?

The West 1 Building will house an indoor flight facility for students working with unmanned aerial vehicles.

West 1 Building: Fall 2023

As you descend the Westgate Building ramp, which bridges Atherton Street below and connects the west and east sides of the University Park campus, the new West 1 Building appears directly ahead. It will include:

Student support offices

- Center for Engineering Outreach and Inclusion
- Center for Global Engineering Engagement
- Engineering Advising Center

Academic unit offices, research space, and teaching labs

- Aerospace Engineering
- Architectural Engineering
- Acoustics
- Civil and Environmental Engineering

290,000
gross square feet

9
active learning, general-
purpose classrooms

51,000
square feet in support
of research

West 2 Building: Fall 2022

Across the greenspace of the West Campus quad, between the Earth and Engineering Sciences Building to the north and Leonhard Building to the south, sits the new West 2 Building. It will include:

Cornerstone to capstone maker spaces

- Multi-use design labs with the resources to help undergraduate students make their ideas reality
- Collaborative areas where academia and industry partner to educate students and solve real-world problems
- Includes the expanded:
 - Bernhard M. Gordon Learning Factory
 - Factory for Advanced Manufacturing Education (FAME) Lab

Academic unit offices, research space, and teaching labs

- School of Engineering Design, Technology, and Professional Programs

105,000

gross square feet

2

active learning, general-purpose classrooms

8,200

square feet in support of research

DID YOU KNOW?

An integral part of the West 2 Building will be a modular high-bay research and instructional facility designed to accommodate large-scale experiments that go beyond the capacity of traditional engineering laboratories.





Central Campus Transformation

Beyond West Campus development now underway, phase one of the college's master facilities plan proposes additional initiatives requiring future Board of Trustees approval that will dramatically reshape the University Park campus adjacent to West College Avenue.

Demolition

- Hammond Building and Bayard D. Kunkle Activities Center
- Engineering Units A, B, and C
- North and south wings of Sackett Building

Renovation of Sackett Building core

Addition of new north wing for Sackett Building

Additionally, a second phase of the master facilities plan, with initiatives also requiring Board of Trustees approval, proposes construction of a third engineering research and teaching space on West Campus, new construction on the footprint of the previously demolished Hammond Building, and the addition of a south wing on Sackett Building.

DID YOU KNOW? The college has awarded more than 129,000 degrees since its founding in 1896, and demand for an engineering education from Penn State is high, with nearly 20,000 undergraduate and graduate applications received for the 2021-22 academic year.



You Can Make a Difference

The College of Engineering is changing the future. You can, too. The University and the Commonwealth of Pennsylvania are the primary funding sources for the college's master facilities plan implementation. Philanthropy will play a critical role as well. To learn more and discuss how to engage, please connect with us.

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Senior Director of Development

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You can also follow our progress: engr.psu.edu/master-plan



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