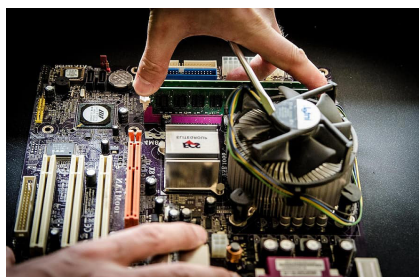EXPLORE

Computer Engineering

PennState
College of Engineering

The computer engineering program at Penn State consistently ranks as a top program in the United States as reported by U.S. News & World Report.

Our curriculum provides broad-based knowledge in the design, analysis, and use of hardware, software, and systems.

Computer engineering at Penn State includes coverage in breadth and depth of basic science, engineering, and abstract concepts of information handling. The program is structured to ensure that graduates have a clear understanding of the design and the applications of computers, as well as the ability to apply this knowledge throughout their professional careers.

We have a number of professional societies that allow students to explore computer engineering outside of the classroom.

Students have access to speakers, career fairs, conferences, competitions, tours, professional contacts, leadership opportunities, and social events.

Our alumni remain actively involved, particularly in our mentoring program where undergraduates are paired with computer engineering alumni working in industry. These mentors facilitate professional development by providing students with guidance, counsel, and networking opportunities.

For more information about the School of Electrical Engineering and Computer Science at Penn State, visit **eecs.psu.edu.**

Math, Physics, Chemistry, Digital Systems, Computational Theory
Students who excel in these tend to do well in computer engineering. Our areas of specialization build on these skills.

Engineering Co-Op & Internship Program
Integrate classroom learning with real-world experience.

Study Abroad Programs
Gain a worldwide perspective as you develop foreign language skills, cultural understanding, and professional experience.

Graduate Program
Broaden educational credentials and improve your marketability in the global workplace.
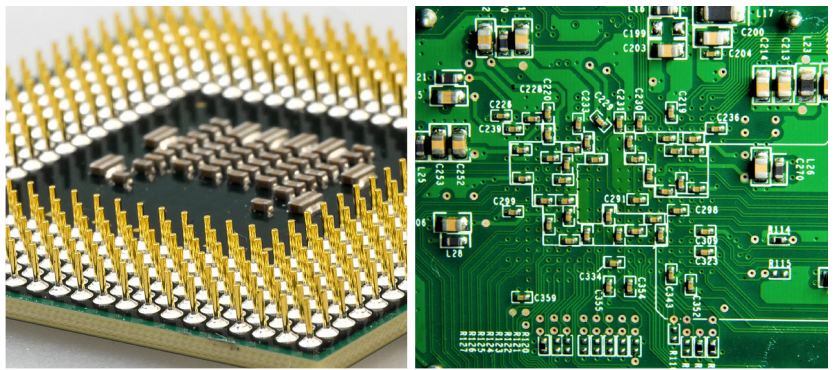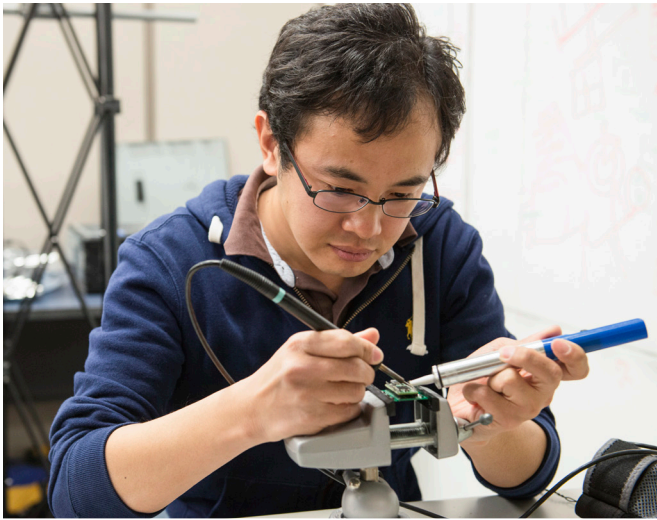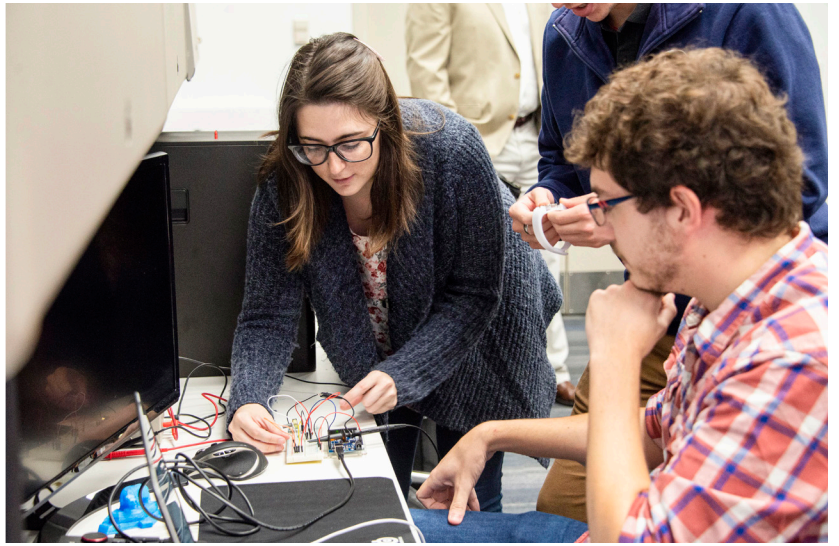
AVERAGE ENTRY-LEVEL SALARY OF COMPUTER ENGINEERING GRADUATES

$84,027

bit.ly/engr-salaries

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

What is a computer engineer?

Computer engineers employ innovation and creative thinking to design and build hardware systems that solve complex problems. To gain this skill, our students learn and practice the art of applying ingenuity and lateral thinking to design solutions to complex problems. Every advance in computer hardware relies on computer engineers to understand how they work and how to leverage their power and capabilities.

Examples of career opportunities: System software and application developers; embedded system designers; network architects; digital designers; computer architects

eecs.psu.edu

Leah Choi
Computer Engineering Major,
Class of 2024

"I chose the computer engineering major for its unique blend of computer science and electrical engineering. It offers insights into both the software and hardware aspects of computing. This major has broadend my perspective, allowing me to connect with people from diverse fields and gain a comprehensive understanding of the computing field. What I like most about computer engineering is the extensive opportunities it presents, enriching my knowledge and perspective!"