

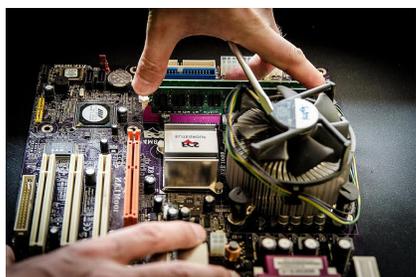
EXPLORE

# 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 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](http://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.

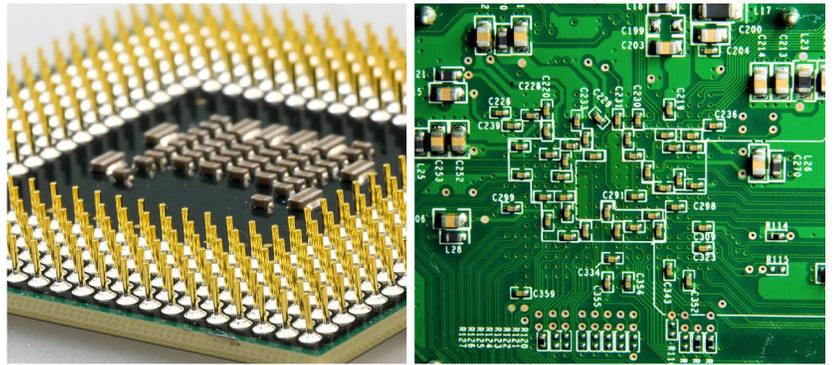
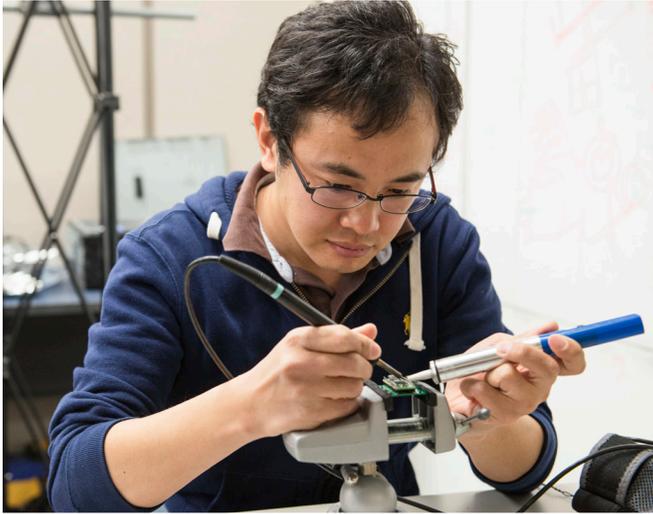
**CMPEN**

Hear from students and alumni by watching the Exposure to Major video series: [bit.ly/PennStateEngineering](http://bit.ly/PennStateEngineering)

AVERAGE ENTRY-LEVEL  
SALARY OF COMPUTER  
ENGINEERING GRADUATES

**\$81,704**

[bit.ly/engr-salaries](http://bit.ly/engr-salaries)



# 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



**Steven Petrone**  
Schreyer Honors College  
Class of 2020

*“Penn State’s computer engineering program will allow you to understand or build almost anything that runs on electricity, from the console in your car to the smartphone in your hand, even the apps that run on them. At Penn State, I’ve completed internships, received offers for jobs in industry and graduate school, and even published research. The possibilities are endless.”*



**eecs.psu.edu**

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