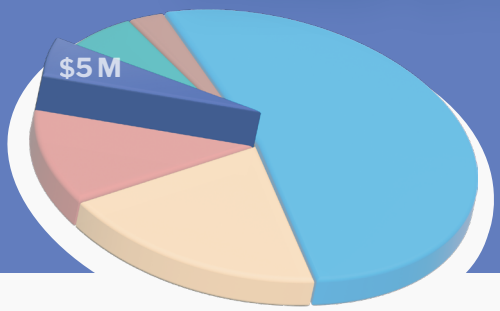
Pennsylvania's STATE SYSTEM of Higher Education

ADDRESSING THE WORKFORCE SHORTAGE:

COMPUTER SCIENCE



THE STATE SYSTEM IS SEEKING $112 MILLION IN NEW FUNDING*

$5 million of that amount will be used for financial aid to reduce costs for students pursuing jobs in computer science

The POWER of PASSHE:

- **2,793 computer science students at PASSHE universities**
- **4,778 PASSHE computer science graduates are working in PA**
- **9% of PA's computer scientist shortage can be filled by PASSHE by 2030**

The Need:

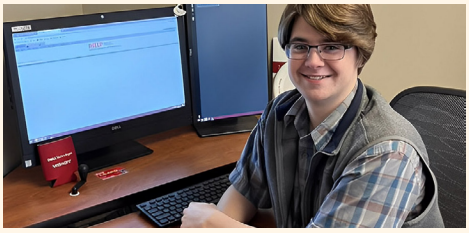
Information technology is vital to the growth of many sectors of our economy, from manufacturing to health care and agriculture to education. With broadband expansion bringing more opportunities to more communities, Pennsylvania will need 13% more computer scientists by 2030.

PASSHE Solution:

The State System is seeking a targeted investment of $112 million in new funding to produce more graduates in six high-growth jobs, including computer science. PASSHE plans to use $5 million to provide direct financial relief to high-need computer science students, saving them an average of $5,000 per year.

* *PASSHE is also seeking $573.5 million, an inflationary increase of $21 million (or 3.8%), that combined with the $112 million in new funding for targeted student support would enable the Board of Governors to consider freezing the basic in-state undergraduate tuition rate for an unprecedented fifth consecutive year.*

PASSHE Invests in First-Generation Success



Hunter Overdorff, a senior computer science major at **Indiana University of Pennsylvania**, is proof that an investment in the State System is an investment in Pennsylvania's future.

Hunter, a first-generation college student from Brush Valley, Pa., received scholarships from PASSHE and his university, and he's had a work-study job with IUP's information technology team since starting college.

"Thanks to the financial support from PASSHE and the university, I've had experiences that I don't think are possible anywhere else," he said. "My work-study job helped me gain hands-on industry experience, including with project management.

"Computers are everywhere. From our homes to our place of work, computers are integrated into our daily lives. Our commonwealth relies on computer professionals who support the infrastructure and systems of our businesses. Whether it's a hospital with digital patient records or a small business with a point-of-sale system, computer professionals design, implement, and support this technology."

Hunter will graduate in December 2023 and looks forward to computer-related work to support the critical needs of our digital infrastructure. Thanks to the combination of his academics and his work-study experience, he's well-prepared.

Students Gain Experience in Cybersecurity Industry

Slippery Rock University's Center for Cybersecurity and Advanced Computing, known as "C2AC," is not a physical location. Rather, the C2AC is an online resource and interdisciplinary collaborative that is built on the research and career development activities of SRU students. Since the C2AC was launched in 2018 to address topics related to cybersecurity and high-performance computing(HPC), SRU students have been fulfilling the center's mission through collaborative research and interdisciplinary academic efforts.

"We're encouraging students to be mentored and to participate in HPC and cybersecurity research and events, and so far, they've had tremendous experiences that are rare for undergraduate students," said **Nitin Sukhija**, associate professor of computer science and director of the C2AC.

"We have a new bachelor's degree program in cybersecurity, but what's putting SRU's program on the map is how active our students are in national and international conferences and conducting research with the top HPC laboratories in the country."

Pennsylvania's High-Growth Jobs and Industries

EDUCATION | NURSING | SOCIAL SERVICES
BUSINESS | COMPUTER SCIENCE | ENGINEERING

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