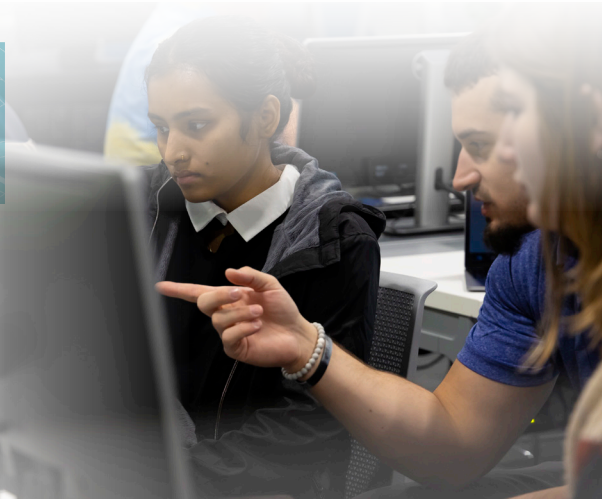
COLUMBUS STATE
ACCELERATED TRAINING CENTERS

Advance your career.



CYBERSECURITY CERTIFICATE

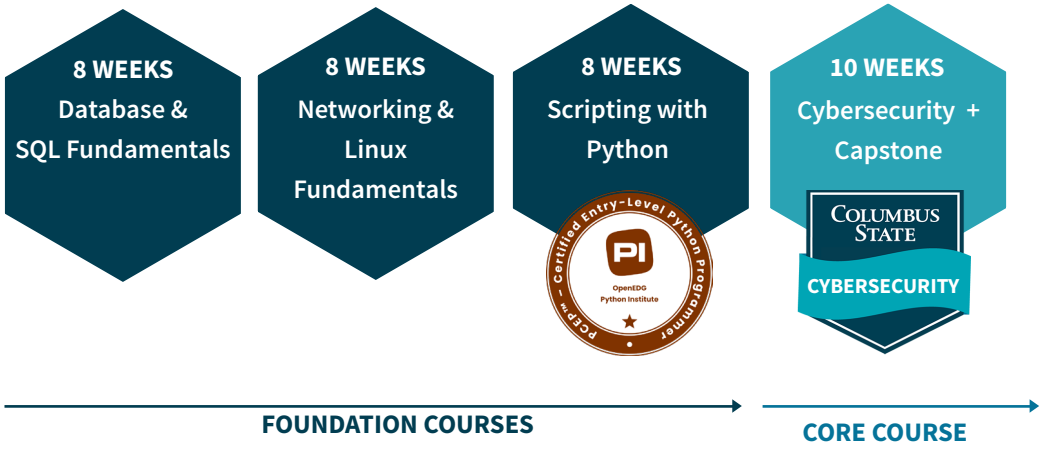
Protect the confidentiality and integrity of organizations' information and systems.

What You'll Learn:
Cybersecurity professionals are the first line of defense in ensuring the confidentiality and integrity of hardware, software, and data.

This 34-week program is intended for individuals with little-to-no background in cybersecurity who are interested in developing the skills that can lead to an industry-recognized certification as a Systems Security Certified Practitioner (SSCP). Students who successfully complete the Scripting with Python course are eligible to become certified by the Python Institute. The program, which Columbus State designed in partnership with Nationwide, begins with essentials in computer science and elements of cybersecurity basics, followed by a focused cybersecurity course series that ends with the opportunity to sit for the SSCP exam.

Participants benefit from a mix of online coursework and virtual real-time instruction. Participants should expect to spend up to 10–15 hours per week on coursework, depending on the level of technology background.

Cybersecurity Certificate (34 weeks)



To learn more and register, visit: cscc.edu/it-workforce

Cybersecurity Certificate & SSCP Certification Courses

COURSE BLOCK 1

Database & SQL Fundamentals

8 weeks

This course introduces the student to the fundamental concepts and techniques of relational database technology, structured query language, database design, and database management. Students perform hands-on labs with commercial software and databases based on real-world scenarios.

Networking Fundamentals

8 weeks

This course is designed for students to learn foundation networking and data communications concepts and terminology. Students will learn the basic concepts, technologies, components, and design for networks. Students will take an active part in the course by learning network types and terminology, practicing software-based networking setup and maintenance to connect to computer systems, and completing various networking assignments.

Linux for Security Practitioners

8 weeks

This course introduces students to core principles of the Linus Operations System (OS) while providing an understanding of security practices associated with building and operating Linux. In addition, students will learn the basic tenants of risk and apply that learning to the OS and application settings to produce a secure server configuration. The Red Hat Linux distribution and Apache web server are used in this course to construct a secured application server.

Scripting with Python

8 weeks

This introductory-level Python programming course teaches students how to analyze a problem and devise a program that solves the problem. Students learn Python syntax and fundamentals concepts such as functions, exception handling, and Python data types. Students write their own programs, learn conditional logic, loops, and sequences, and apply what they've learned in hands-on lab activities.

COURSE BLOCK 2

Cybersecurity (SSCP)

12 weeks

This course is designed for students to learn foundational cybersecurity concepts, terminology, and implementation. Students will learn the practical knowledge and skills necessary to become comfortable with cybersecurity concepts, technologies, risks, and controls. This course prepares the student for the Systems Security Certified Practitioner (SSCP) certification from (ISC)2 ®. (ISC)2 SSCP exam vouchers are provided to students who successfully complete this course.

Cybersecurity Capstone

3 weeks

This Cybersecurity Capstone is the culminating course where students will apply the knowledge and skills gained through the cybersecurity certificate program to real-world problems in the work environment. Student teams complete a cybersecurity challenge using their knowledge about various cybersecurity tools and techniques learned in prior coursework, and then present their findings to peers and mentors.