CYBER SECURITY

DURATION - 33 Weeks*

COURSES - 10

Gain practical skills and train in best practices, standards and trends to secure and protect network vulnerabilities. Prepare to take the CompTIA Security+ certification exam.

WHAT WE TEACH
• Assess threats and vulnerabilities faced by every organization and technology user

• Various hardware & software defense tools to combat new types of attacks

• Cryptography algorithms used to ensure safe transmission, storage and use of sensitive data

• Prepare for the Security+ certification exam

WHAT WE PROVIDE
• Courses taught and delivered by industry experts

• Cutting-edge technical skills

• Preparation for dynamic career in cyber security

Pacific Union College does not guarantee employment.

AVAILABLE STACKABLE BADGES & CERTIFICATION
• Created by Industry Experts and Employers

• Curriculum created by industry experts for employers and with instructors meeting college level standards.

CSO100	CSO101	CSO102	CSO103
Security Foundations	Networking Foundations	System Administration	Network Defense

CSO104	CSO105	CSO106	CSO107
Crypto Access	Logging	Program Foundations	Web App Security

CSO108	CSO110
Threats	Group Project

*For successful full-time enrollment.

LIVE-VIRTUAL SUPPORT

Admissions Advisors	Program Directors
Instructors	Directors of Education
Success Coach	Mentors

COURSE OUTLINE

CSO100	Security Foundations	Get the fundamentals of security concepts including threats, policy and procedures, risk management and disaster recovery
CSO101	Networking Foundations	Learn technical skills required in network administration and support as well as what is needed to excel in the network certification exam
CSO102	System Administration	Learn to install and configure network components to support organizational security
CSO103	Network Defense	Learn to use the most current tools to assess the security posture of an organization and understand the impacts of various vulnerabilities
CSO104	Cryptography and Access Management	Learn cryptography algorithms used for safe transmission and storage of sensitive data. Get best practices on access and account management
CSO105	Logging and Monitoring	Analyze and interpret security logs on Intrusion Detection and Prevention Systems, as well as get an intro to basic forensics
CSO106	Programming Foundations	Become familiar with programming concepts including code organization, decision-making, handling errors and debugging applications
CSO107	Web Application Security & Project Management	Learn the key concepts of Web security including the mindset, discipline and methods for securing a software project
CSO108	Threats and Vulnerabilities	Become an expert in the vulnerabilities faced by every technology user and organization including hardware, software and various 'Threat actors'
DSO110	Group Project	Play the role of both defender and attacker in a network while using the skills acquired over the course of the program

Professional
WORKFORCE DEVELOPMENT
— at Pacific Union College —