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

Washington Adventist University 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.

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