Introduction to Cybersecurity

Length: 2 day onsite / 8 week online
RUs: 1

The Cisco Networking Academy® Introduction to Cybersecurity course covers trends in cybersecurity and career opportunities available in this field.

The course introduces the importance of cybersecurity and current trends. In the age of the Internet of Everything (IoE), the networked connections of people, processes, data, and things create a greater need for a robust security infrastructure. The network is used for everything from storing an organization's confidential data, to storing personal financial and health information. More connections make data more vulnerable to attacks, creating a growing need for individuals with cybersecurity skills.

The course consists of eight modules with presentations and panel discussions that feature industry experts and offers activities, videos, and additional resources for students to explore.

Recommended Audience:
This course is recommended for cable technicians, IT professionals, business analysts, service providers, data center professionals, or project managers interested in learning about cybersecurity.

Prerequisites:
None are required to take this training course.

Certification:
There is no certification exam related to this course, however Introduction to Cybersecurity is a starting point for learners interested in becoming security professionals through Cisco. Students who complete this course may also be interested in the Cisco Networking Academy® CCNA® Routing and Switching and CCNA Security courses.

Course Outline:
Module 1 - The Cybersecurity Industry
Module 2 - Malware and How to Protect Yourself
Module 3 - Overview of Cybersecurity in Finance and Telecommunications
Module 4 - Cisco Security Solutions
Module 5 - Defending Against Global Threats
Module 6 - Strategic and Architectural Cybersecurity Planning
Module 7 - Vulnerabilities and Solutions
Module 8 - Will Your Future Be in Cybersecurity?

Course Materials:
There are no additional course materials or books needed. All materials are provided online.
System requirements:
Google Chrome 30+, Safari 6.1+, Firefox 25+, or Internet Explorer 10+

Module Outline:
Module 1 - The Cybersecurity Industry
- Explain the importance of cybersecurity in the global economy
- Explain why cybersecurity is a growing profession

Module 2 - Malware and How to Protect Yourself
- Explain the characteristics and operation of malware
- Explain how hackers use unsuspecting individuals to propagate malware

Module 3 - Overview of Cybersecurity in Finance and Telecommunications
- Explain why cybersecurity is critical to the banking industry
- Explain why cybersecurity is critical to the telecommunications industry

Module 4 - Cisco Security Solutions
- Explain Cisco’s approach to cybersecurity
- Explain the behavior-based approach to cybersecurity

Module 5 - Defending Against Global Threats
- Explain the characteristics of cyber warfare
- Explain how Cisco Security Intelligence Operations (SIO) tracks and responds to a global threat

Module 6 - Strategic and Architectural Cybersecurity Planning
- Explain trends in the cyber threat landscape
- Explain the framework of the Enterprise Security Architecture

Module 7 - Vulnerabilities and Solutions
- Explain why cybersecurity is critical to the medical devices industry
- Explain the components of cloud security

Module 8 - Will Your Future Be in Cybersecurity?
- Explain the opportunities for pursuing network security certifications