Introduction to Cybersecurity At-a-Glance

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.

Course Description

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

Cybersecurity refers to the people, products, and processes that protect electronic data from those with malicious intent. This course introduces students to a variety of networking professionals who discuss the exciting and growing industry of cybersecurity.

The course modules define cybersecurity, explain why it is important, and introduce some of the products and processes used to secure data.

The course offers the following:

- Recorded presentations and panel discussions created by cybersecurity professionals and industry experts
- Activities that reinforce learning
- Links to articles and websites to help you explore cybersecurity on your own
- Quizzes to check your understanding of the information presented

Cybersecurity Careers

Training a cybersecurity workforce is a national priority for many countries, and the demand for cybersecurity professionals has grown three times faster than any other job role in information and communications technology (ICT).

There are many opportunities for career growth in this field. As people become increasingly dependent on networks to store their personal, financial, and business data, there's greater incentive for cyber criminals to steal or manipulate that data. The world needs people who are trained to mitigate these threats in proactive and comprehensive ways.

Course Availability

The Introduction to Cybersecurity course is delivered through the Cisco NetSpace® learning environment and is available in English. Students can self-enroll to take the course at your own pace in places and at times most convenient to you.

Students who complete this course may also be interested in the NetAcad™ Cisco CCNA® Routing and Switching and CCNA Security courses.

Learning Objectives

Students who complete Introduction to Cybersecurity will be able to perform the following tasks:

Module	Learning Objectives
The Cybersecurity Industry	• Explain the importance of cybersecurity in the global economy • Explain why cybersecurity is a growing profession
Malware and How to Protect Yourself	• Explain the characteristics and operation of malware. • Explain how hackers use unsuspecting individuals to propagate malware
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
Cisco Security Solutions	• Explain Cisco's approach to cybersecurity. • Explain the behavior-based approach to cybersecurity
Defending Against Global Threats	• Explain the characteristics of cyber warfare. • Explain how Cisco's Security Intelligence Operations (SIO) tracks and responds to a global threat
Strategic and Architectural Cybersecurity Planning	• Explain trends in the cyber threat landscape. • Explain the framework of the Enterprise Security Architecture
Vulnerabilities and Solutions	• Explain why cybersecurity is critical to the medical devices industry. • Explain the components of cloud security
Will Your Future Be in Cybersecurity?	• Explain the opportunities for pursuing network security certifications

About Cisco Networking Academy

Cisco Networking Academy delivers a comprehensive learning experience to help students develop ICT skills for career opportunities, continuing education, and globally recognized career certifications.

To learn more, visit: **www.netacad.com**.