

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 exponential growth of networked connections leaves data more vulnerable to attacks, creating a growing need for cybersecurity experts.

Join a Global Force of Cybersecurity Experts

Introduction to Cybersecurity covers trends in cybersecurity and career opportunities.

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

The course modules define cybersecurity, explain why it's important, and introduce 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.

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 cybercriminals to steal or manipulate that data. The world needs people who are trained to proactively mitigate and address these threats.

Introduction to Cybersecurity is delivered through the Cisco NetSpace® learning environment in English. Students can self-enroll to take the course at your own pace. Instructors can enroll students and teach the course through the same process used for other NetAcad™ courses.

Module	Learning Objectives
The Cybersecurity Industry	<ul style="list-style-type: none"> • Explain the importance of cybersecurity in the global economy • Explain why cybersecurity is a growing profession
Malware and How to Protect Yourself	<ul style="list-style-type: none"> • Explain the characteristics and operation of malware. • Explain how hackers use unsuspecting individuals to propagate malware
Overview of Cybersecurity in Finance and Telecommunications	<ul style="list-style-type: none"> • Explain why cybersecurity is critical to the banking industry • Explain why cybersecurity is critical to the telecommunications industry
Cisco Security Solutions	<ul style="list-style-type: none"> • Explain Cisco's approach to cybersecurity. • Explain the behavior-based approach to cybersecurity
Defending Against Global Threats	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Explain trends in the cyber threat landscape. • Explain the framework of the Enterprise Security Architecture
Vulnerabilities and Solutions	<ul style="list-style-type: none"> • Explain why cybersecurity is critical to the medical devices industry.
Will Your Future Be in Cybersecurity?	<ul style="list-style-type: none"> • Explain the opportunities for pursuing network security certifications