



Cybersecurity Foundations

Commitment:
4 weeks of study,
10-20 hours/week



Cybersecurity Foundations

The essentials of cybersecurity, where you'll learn about common threats, vulnerabilities, and attacks. This will equip you to identify security risks and understand the principles of protecting digital information.



Technologies & Management

Explore security architecture and design principles. You'll also master identity and access management, alongside learning vital risk management strategies to assess and mitigate threats.



Cryptography Mastery

Engage with cryptography and Public Key Infrastructure (PKI). You'll gain hands-on experience in encryption techniques, crucial for securing data.

About the Course

Dive into the world of cybersecurity, learning about threats and protection strategies. Equip yourself with essential security knowledge.

Gain insight into vital cybersecurity tools and risk management. Understand how technologies safeguard data and manage digital threats.

Master cryptography and PKI, essential for data security. Prepare for the Nucamp CySecurity exam, opening doors to a cybersecurity career.

At the end, you will be able to

1. Identify and analyze various cybersecurity threats and vulnerabilities.
2. Utilize key technologies and tools for effective digital protection and risk management.
3. Implement and understand cryptographic solutions and Public Key Infrastructure (PKI).
4. Prepare confidently for the Nucamp CySecurity exam, demonstrating a solid foundation in cybersecurity principles.

WEEK 1

Understanding Cyber Threats

This week, you'll embark on your cybersecurity journey by exploring the landscape of digital threats. You'll learn about various types of cyber attacks and vulnerabilities, understanding how they can impact

systems and data.

Your goal is to develop a foundational knowledge of security threats, which will be crucial for your future in cybersecurity.

WEEK 2

Tools and Architecture

We'll delve into the technologies and tools essential in cybersecurity. You'll gain insights into security architecture and design, exploring how these elements work together to

protect digital assets.

This week is about equipping you with the knowledge to understand and use key cybersecurity tools effectively.

WEEK 3

Identity Management and Risk

Your focus this week will be on Identity and Access Management (IAM) and Risk Management. You'll learn how to control access to systems and data, an integral part of cybersecurity.

Additionally, we'll cover the strategies to assess and mitigate risks, preparing you to handle potential security threats proactively

WEEK 4

Cryptography and Exam

In the final week, you'll delve into Cryptography and Public Key Infrastructure (PKI), understanding their role in securing communications and data.

This week is also about consolidating your learning and preparing for the Nucamp CySecurity exam, ensuring you're ready to demonstrate your newfound cybersecurity expertise.

