

NCSP Awareness Training, Rev.20.21 H0DV6AAE

HPE course number	H0DV6AAE
Course length	1 Hour
Delivery mode	WBT
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Why HPE Education Services?

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The NCSP Certification Training Programs are the industry's first accredited cybersecurity certification training program based on the NIST Cybersecurity Framework (NIST-CSF).

The NCSP Awareness course introduces students to the fundamentals associated with digital transformation, cybersecurity risk management and the NIST Cybersecurity Framework.

The follow on NCSP Foundation and Practitioner Certification Training Programs teach individuals and organizations how to:

- Assess an organization's cybersecurity capabilities in order to understand its current cybersecurity state
- Design a cybersecurity program using NIST-CSF informative reference controls to realize its future cybersecurity state
- Implement and operationalize a Continual Implementation and Improvement Management System (CIIS) to automate, sustain and continually improve its future cybersecurity state

Audience

- Cybersecurity engineers
- Cybersecurity specialists, examples include:
 - Pen testers
 - Ethical hackers
- IT operations
- Software and application developers
- Digital transformation
- Business risk professionals
- IT auditors
- Business professionals—lawyers, accountants
- Candidates wishing to pursue a career in cybersecurity

Prerequisites

There are no prerequisites, however we do recommend students have some knowledge of:

- What is meant by cybersecurity
- Some knowledge of IT
- Ideally, the role of IT in supporting the organization

Credits Earned

1 PDU and CEU Credits

Body of knowledge

This course is based on the Framework for Improving Critical Infrastructure Cybersecurity, version 1.1.

Detailed course outline

Digital Transformation	<ul style="list-style-type: none"> • Explain what it means to “become digital” • Discuss the difference between industrial and digital era enterprises 	<ul style="list-style-type: none"> • Explain how cybersecurity supports an organization's digital transformation
Understanding Cyber Risks	<ul style="list-style-type: none"> • Explain the cyber risk equation • Identify and explain each component of the cyber risk equation 	<ul style="list-style-type: none"> • Describe the basics of a risk assessment
NIST Cybersecurity Framework Fundamentals	<ul style="list-style-type: none"> • Explain the genesis of the NIST-CSF • List and describe the components of the NIST-CSF 	<ul style="list-style-type: none"> • Describe each of the NIST-CSF's objectives
Core Functions, Categories and Subcategories	<ul style="list-style-type: none"> • Understand and explain <ul style="list-style-type: none"> – Core functions 	<ul style="list-style-type: none"> – Framework categories – Informative references
Implementation Tiers and Profiles	<ul style="list-style-type: none"> • Understand and explain Implementation Tier terms and their use • Understand and explain each Implementation Tier • Understand and describe the three risk categories 	<ul style="list-style-type: none"> • Understand and explain Profiles and their use • Understand and describe the use of Profiles when • Determining gaps • Identifying and prioritizing focus areas
Cybersecurity Improvement	<ul style="list-style-type: none"> • Understand and explain how an organization can approach the adoption and adaptation of the NIST-CSF • Understand and describe how to implement cybersecurity controls using an incremental improvement approach 	<ul style="list-style-type: none"> • Understand and describe CIIS as a practice within an organization

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