Why HPE Education Services?

- IDC MarketScape leader 5 years running for IT education and training*
- Recognized by IDC for leading with global coverage, unmatched technical expertise, and targeted education consulting services*
- Key partnerships with industry leaders OpenStack®, VMware®, Linux®, Microsoft®, ITIL, PMI, CSA, and SUSE
- Complete continuum of training delivery options—self-paced eLearning, custom education consulting, traditional classroom, video on-demand instruction, live virtual instructor-led with hands-on lab, dedicated onsite training
- Simplified purchase option with HPE Training Credits

NCSP Awareness Training, Rev.20.21
H0DV6AAE

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

*Realize Technology Value with Training, IDC Infographic 2017, Sponsored by HPE, October 2017
**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
- Explain what it means to “become digital”
- Discuss the difference between industrial and digital era enterprises
- Explain how cybersecurity supports an organization’s digital transformation

Understanding Cyber Risks
- Explain the cyber risk equation
- Identify and explain each component of the cyber risk equation
- Describe the basics of a risk assessment

NIST Cybersecurity Framework Fundamentals
- Explain the genesis of the NIST-CSF
- List and describe the components of the NIST-CSF
- Describe each of the NIST-CSF’s objectives

Core Functions, Categories and Subcategories
- Understand and explain
  - Core functions
  - Framework categories
  - Informative references

Implementation Tiers and Profiles
- Understand and explain Implementation Tier terms and their use
- Understand and explain each Implementation Tier
- Understand and describe the three risk categories
- Understand and explain Profiles and their use
- Understand and describe the use of Profiles when determining gaps
- Identifying and prioritizing focus areas

Cybersecurity Improvement
- 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
- Understand and describe CIIS as a practice within an organization

Learn more at hpe.com/ww/learnsecurity

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