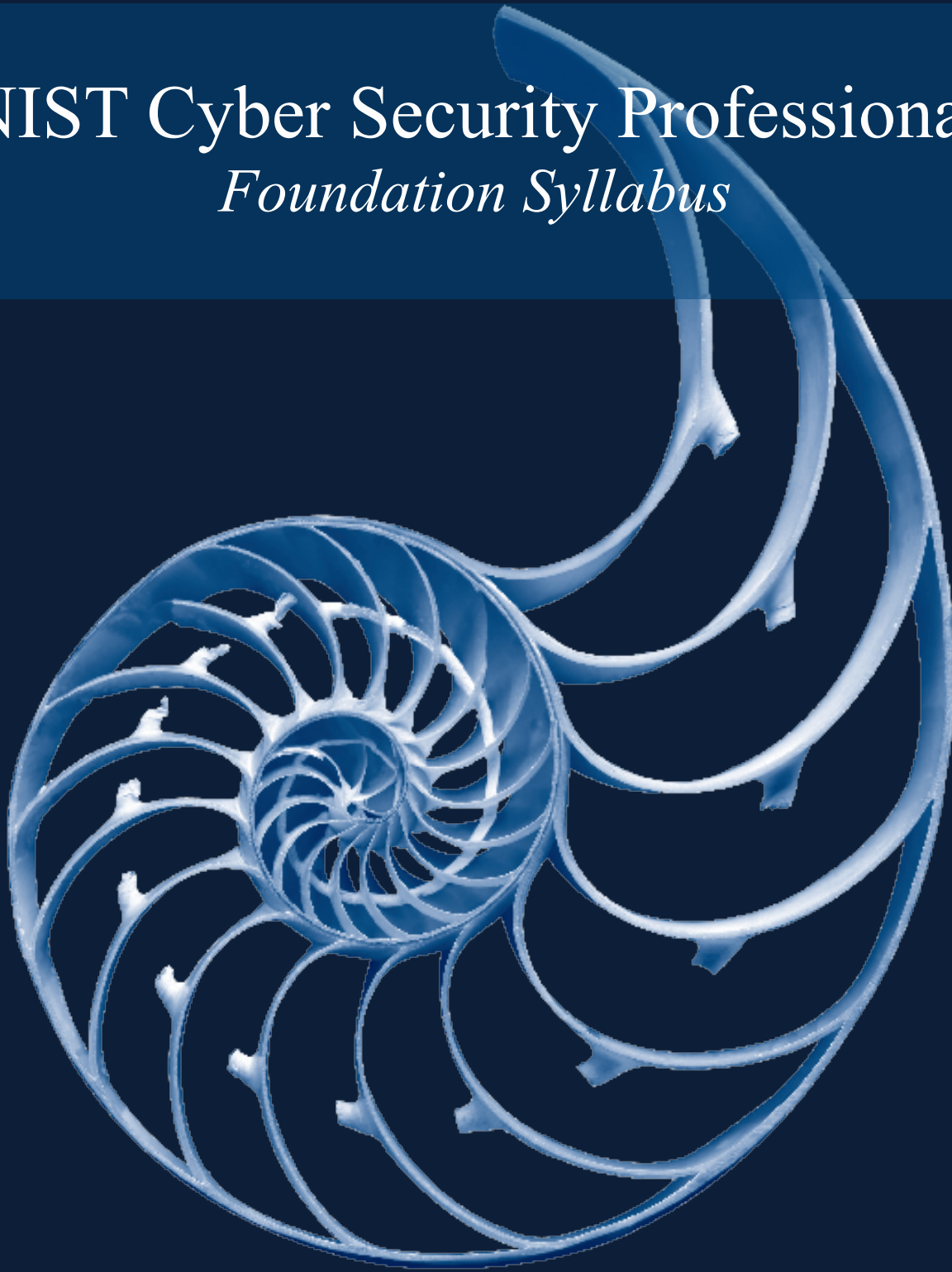


NIST Cyber Security Professional *Foundation Syllabus*



Based on NIST-CSF 1.1

itSM906 NCSP Foundation

2.0

10-28-2019

Syllabus

NIST Cybersecurity Professional Foundation Syllabus Contents

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Introduction

The purpose of this document is to provide the learning outcomes for the course and the assessment criteria. It also provides an overview of the examination design in terms of the types of questions asked.

Starting with Chapter 2, Digital Transformation, the BL 1 & 2 (for Bloom's Taxonomy 1 & 2) provides the number of questions that will appear on the exam.

NIST Cybersecurity Professional Foundation Syllabus:

| Number | Chapter | Learning Outcome | BL 1 & 2 Marks |
|--------|---|---|----------------|
| 1.0 | Digital Transformation | | 2 |
| 1.1 | | Explain what it means to “become digital.” | |
| 1.2 | | Discuss the difference between industrial and digital era enterprises. | |
| 1.3 | | Explain how cybersecurity supports an organization’s digital transformation. | |
| 2.0 | Understanding cyber Risks | | 6 |
| 2.1 | | Explain the cyber risk equation. | |
| 2.2 | | Identify and explain each component of the cyber risk equation. | |
| 2.3 | | Describe the basics of a risk assessment. | |
| 3.0 | NIST Cybersecurity Framework Fundamentals | | 9 |
| 3.1 | | Explain the genesis of the NIST-CSF. | |
| 3.2 | | List and describe the components of the NIST-CSF. | |
| 3.3 | | Describe each of the NIST-CSF’s objectives. | |
| 4.0 | Core Functions, Categories & Subcategories | | 9 |
| 4.1 | | Understand and explain the | |
| 4.1a | | Core Functions | |
| 4.1b | | Framework Categories | |
| 4.1c | | Informative References. | |
| 5.0 | Implementation Tiers & Profiles | | 10 |
| 5.1 | | Understand and explain Implementation Tier terms and their use. | |
| 5.2 | | Understand and explain each Implementation Tier. | |
| 5.3 | | Understand and describe the three risk categories | |
| 5.4 | | Understand and explain Profiles and their use | |
| 5.4a | | Current | |
| 5.4b | | Target | |
| 5.5 | | Understand and describe the use of Profiles when | |
| 5.5a | | Determining gaps | |
| 5.5b | | Identify & prioritize focus areas | |
| 6.0 | Cybersecurity Improvement | | 4 |
| 6.1 | | Understand and explain how an organization can approach the adoption and adaptation of the NIST-CSF | |

| | | | |
|-----|--|--|----|
| 6.2 | | Understand and describe how to implement cybersecurity controls using an incremental improvement approach. | |
| 6.3 | | Understand and describe CIIS as a practice within an organization. | |
| | | Marks and questions | 40 |

Examination Design and Administration

Duration:

60 minutes

Number of questions:

40

Level of knowledge:

Bloom's level:

1 – Knowledge

2 – Comprehension

Digital Transformation & Cyber Risks

NIST-CSF, Categories, Subcategories, Tiers & Adoption

Delivery:

Paper-based, proctored classroom

Online, proctored

Recommended pre-requisites

Working knowledge of IT

Format:

This is a closed book exam with forty (40) multiple-choice questions with a single correct answer from 4-choices (A, B, C, D).

Questions may appear in any of the following forms (sample, not an exhaustive list).

- Which of the following is true, correct, most correct?
- Which of the following statements is NOT correct?
- Which of the following statements addresses X?
- How would you show Y?
- What is...?
- What is missing from...?
- _____ is a correct way to...?
- How would you describe...?
- How would you explain...?
- What is the main idea of...?
- Which is the best choice...?

Scoring:

Each correct answer is worth 1 point. Passing is 60% (24 correct out of 40).

