



## Course Outline

- ✦ The CSCS™ credential is a job-role based designation.
- ✦ This program is designed to enable professionals to understand, prioritize and ultimately assist organizations achieve compliance with Information Security-based regulations.
- ✦ It is laser-beam focused on thoroughly examining compliance requirements and establishing best practices that can be applied in securing today's digital business information infrastructure.



## Learning Objective

- Step through industry standards such as PCI DSS, GDPR, ISO 27001, HIPAA, and FISMA.
- Evaluate America's standard for compliance: NIST guidance and special publications.
- Understand U.S. state government information security mandates (e.g. Texas, California, New York and others).
- Explore best practices to build a credible compliance and cybersecurity program.



## Skills

Business Continuity Planning	Business Impact Analysis	Disaster Recovery	NIST		
Cybersecurity Strategy	FISMA	GDPR	HIPAA & HITECH	CCPA	PCI DSS
International Standards	ISO 27001	ISO 27799	Risk Analysis	SOC2	PIPEDA
U.S. National Standards	State Regulations & Standards	23 NYCRR 500			

## Target Audience

- Module 1: State of Cybersecurity
- Module 2: Critical Issues of Today
- Module 3: Regulations and Frameworks: Getting Started
- Module 4: ISO/IEC 27K Series
- Module 5: PCI DSS
- Module 6: Healthcare Information Security Regulations

- Module 7: U.S. Federal Regulations
- Module 8: NIST Frameworks and Guidance
- Module 9: U.S. State Regulations
- Module 10: GDPR
- Module 11: Incident Response Plan (IRP)
- Module 12: Business Continuity Plan (BCP)

## Course Content

### Module 1 - State of Cybersecurity

- A Current Cyber Assessment: Results
- Verizon Report (DBIR)
- Ransomware Cyber-attacks
- Our Past: A Mirror to Cyber Future
- CCPA Regulation: The Future?
- Bottom Line: Cyber Attack Lifecycle

### Module 2 - Critical Issues of Today

- Cyber Kill Chain
- Ransomware

### Module 3 - Regulations and Frameworks: Getting Started

- Gramm-Leach-Bliley (GLB)
- 21 CFR Part 11
- NERC's Cybersecurity Standards
- Sarbanes-Oxley Act of 2002
- Key SOX Titles and Sections
- Federal Trade Commission (FTC)
- AICPA, SOC, SOC2, PIP, PIPEDA

### Module 4 - ISO/IEC 27K Series

- Introduction and Benefits of ISO
- ISO 27799
- ISO/IEC 27001
- ISO/IEC 27002

### Module 5 - PCI DSS

- DSS Security Levels
- PCI DSS Key Requirements
- Achieving PCI DSS Compliance
- Control Objectives

### Module 6 - Healthcare Information Security Regulations

- HITECH Act
- HIPAA Final Rule and HITECH Act
- HIPAA and HITECH Act
- Business Associates
- Breach Notification
- HIPAA Privacy Rule
- HIPAA Security Rule
  - Administrative Safeguards
  - Physical Safeguards
  - Technical Safeguards

## Module 7 - U.S. Federal Regulations

- FISMA
- FIPS
- COOP
- FedRAMP

## Module 8 - NIST Frameworks and Guidance

- Role of NIST
- NIST Cybersecurity Framework
- NIST SP 800-53 Rev 5
- NIST SP 800-37 Rev 1
- NIST SP 800-37 Rev 2
- NIST SP 800-171

## Module 9 - U.S. State Regulations

- California's CCPA
- 23 NYCRR 500
- SB 1386
- AB 1950
- AB 1298
- AB 211
- SB 541
- SB 24
- AB 1710
- Massachusetts 201 CMR 17.00
- Massachusetts M.G.L. c. 93H
- Colorado
- Pennsylvania 73 P.S.
- Nevada SB 227
- Texas Privacy Rights

## Module 10 - GDPR

- Who Does GDPR Impact?
- What Information Applies?
- Key GDPR Requirements
- Fundamental GDPR Concepts
- Key GDPR Facts
- Right to Erasure
- Preparing for GDPR Enforcement

## Module 11 - Incident Response Plan (IRP)

- IRP Elements
- 6 Steps of Incident Response
- Incident Response Plan Templates

## Module 12 - Business Continuity Plan (BCP)

- Core Objectives
- Classification of Sensitive Information
- Classification of Threats
- Data Backup Plan
- Disaster Recovery Plan Outline
- Contingency Planning
- RPO, RTO

## Digital Badge



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