



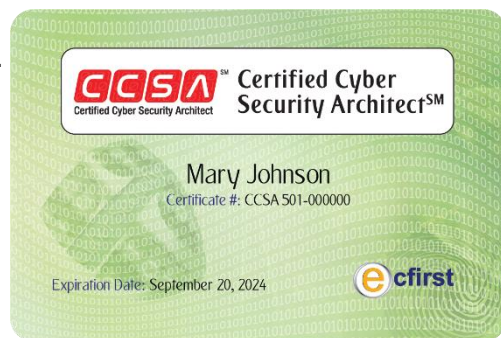
## Course Outline

- ✦ CCSA<sup>SM</sup> is an instructor-led 1-day program.
- ✦ The program validates knowledge and skill sets in cybersecurity with focus on the NIST Cybersecurity Framework, and the U.S. DoD cybersecurity mandate, CMMC.
- ✦ Core topics emphasized include establishing a credible, evidence-based enterprise cybersecurity program and developing a comprehensive incident response plan.



## Learning Objective

- Examine how to establish a cybersecurity program based on the NIST Cybersecurity Framework.
- Step through key areas that must be addressed in a credible incident response plan.
- Walk through core components, organization and CMMC Maturity Levels.
- Examine CMMC domains and CMMC capabilities required for organizations.



## Skills

CMMC Framework

Cyber Policies

Cybersecurity Framework

Cybersecurity Program

Encryption

Penetration Testing

Security Incident

Risk Assessment

Vulnerability Assessment

NIST

## Target Audience

- Information Security Officers
- Security Practitioners
- Privacy Officers
- Senior IT Professionals
- Compliance Professionals & Managers


## CCSA Program References

Very positive  
Great Sessions!

**I loved the training**  
Clear concise and to the point  
**The instruction was clear**  
A very thorough program and support!

**Privileged to participate**  
The training was point on for the core material  
Very good overview of cybersecurity and relevant frameworks  
Clear concise and to the point. Very informative and timely

Comprehensive knowledge and experienced with credentials and delivery



**Lots of information to deliver in the allotted time**

I especially appreciated the new information regarding the CMMC Framework  
Fast paced, topical, informative, and researchable  
This instructor and the staff were excellent  
**Comprehensiveness, Instructor**  
Very knowledgeable, positive and rapid instructor  
Lots of information to deliver in the allotted time  
This has been a great training experience  
**Good basic training**  
Great course!

## Course Content

### Module 1 - Cybersecurity Framework

- Framework Profile
- Framework Implementation Tiers
- Framework Core Functions
- Functions, Categories & Sub-Categories

### Module 2 - CMMC Framework: A U.S. DoD Mandate

- Introduction
- CMMC Key Facts
- CMMC Module Framework
- CMMC Levels
- CMMC Domains and Process Maturity

### Module 3 - NIST SP 800-171 R2

- Purpose
- Target Audience
- Controlled Unclassified Information (CUI)
- Security Requirements

### Module 4 - Security Incident Management

- Fundamentals
- Serious Incident Management
- Incident Management Recommendations

### Module 5 - Ransomware Readiness

- Defining ransomware
- NISTIR 8374
- Ransomware Readiness Plan
- Ransomware Checklist
- Ransomware Prevention

### Module 6 - Vulnerability Assessment & Penetration Testing

- Vulnerability Scans
- Wireless Assessment
- Pen Test Methodology
- External & Internal Pen Test
- Exploitable Vulnerabilities
- Detect & Prevent Intrusions
- Change-Detection Mechanism
- Firewall/DMZ Assessment
- Enterprise Risk Assessment

### Module 7 - Essential Cyber Policies

- Information Security Policies
- Organization of Information Security
- Risk Assessment
- Risk Management
- Audit Controls

- Mobile Devices
- Breach Notification
- Information Security Incident Management
- System Acquisition, Development and Maintenance
- Supplier Relationships
- Ransomware Policy

## Module 8 – Encryption

- Encryption Assessment: Cloud, Mobile & More
- Mandates: Standards & Regulations
  - ISO 27001
  - PCI DSS
  - NIST
  - HIPAA and HITECH
- Encryption Strategy
  - Policy
  - Checklist
  - Cybersecurity Framework

## Module 9 – Establishing a Cybersecurity Program

- Prioritize and Scope
- Orient
- Create a Current Profile
- Conduct a Risk Assessment
- Create a Target Profile
- Determine, Analyze, and Prioritize Gaps
- Implement Action Plan

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