



# **NISTCSF.COM**

## **NIST/NICE Cybersecurity Workforce Framework Training & Certification Programs**

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# **NISTCSF.COM – NIST Cybersecurity Framework Training Solutions**

## **Introduction**

In February 2013, President Obama issued Executive Order 13636, “Improving Critical Infrastructure Cybersecurity,” which called on the Department of Commerce’s National Institute of Standards and Technology (NIST) to develop a voluntary risk-based Cybersecurity Framework to protect the nation’s critical infrastructure—that is, a set of industry standards and best practices to help organizations identify, assess, and manage its cybersecurity risks. These 16 critical infrastructure sectors whose assets, systems, and networks, whether physical or virtual, are considered so vital to the United States that their incapacitation or destruction would have a debilitating effect on security, national economic security, national public health or safety, or any combination thereof. In February 2014, NIST released the NIST Cybersecurity Framework (NCSF).

## **NISTCSF.COM**

**NISTCSF.COM** is a NIST Cybersecurity Framework (NCSF) training solution brought to you by itSM Solutions LLC and UMass Lowell. The program is built around a controls factory methodology created by the chief information security officer for the UMass system to operationalize an NCSF program across the university and its supply chain. Based on its success at UMass and other universities in the area, UMass Lowell, in partnership with itSM Solutions, has established an accredited training program that will teach governments, private industry and other academic institutions how to do the same.

The NCSF Control Factory™ Methodology helps enterprises organize the engineering, technical and business functions of an NCSF program. The methodology is completely adaptable, which means that each of the modules can easily be updated, replaced or modified with minimal impact on the overall solution. Organizations are free to choose the minimum set of controls its need to improve its cybersecurity risk profile and then over time adopt additional controls that will take it to a higher cybersecurity state. The factory approach allows for changes in the cybersecurity threat landscape, new vulnerabilities and the addition of improvements while still keeping a focus on the critical assets and identities.

The goal of NISTCSF is to partner with industry and academia to establish cybersecurity training centers and online training portals across the globe that will teach the knowledge, skills and abilities (KSAs) to design, build, test and manage an NCSF cybersecurity program. It is also our goal to deliver the credentials individuals need to land and sustain a job in cybersecurity.

The UMass Lowell program and its author have won the following industry awards:

- Security Magazine’s Most Influential People in Security, 2016
- SANS People Who Made a Difference in Cybersecurity Award, 2013
- Information Security Executive (ISE) nominee for Executive of the Year for North America, 2013
- ISE North America Project Award Winner I for the Academic and Public Sector Category, 2013

[NISTCSF.COM Overview](#) [Control Factory Overview](#) [Request More Info](#)

## **NCSF Certification Training Programs**

These programs will teach candidates how to design, build, test and manage a cybersecurity program based on the NIST Cybersecurity Framework (NCSF) and Larry's NCSF Controls Factory Methodology.

**The NCSF Foundation Certification Course** outlines current cybersecurity challenges and explains how organizations who implement a NCSF program can mitigate these risks. This program is focused on candidates who need a basic understanding of the NCSF to perform their daily jobs as Executives, Accountants, Lawyers or Information Technology (IT) professionals.

**Location of Training:** Onsite or Online

**Means of Instruction:** Instructor Led Classroom or Virtual Classroom, Self Paced Video

**Number of Hours:** 8 (1 Day)

**Credentials or Certificate Attained:** Certificate of Completion, PDU's, CEU's, College Credits

**Course Description & Outline:** Can be found [here](#)

**The NCSF Practitioner Certification Course** details the current cybersecurity challenges plus teaches in depth the UML's controls factory methodology on how to design, build, test and manage an NCSF cybersecurity program. This program is focused on candidates who need a detailed understanding of the NCSF to perform their daily roles as cybersecurity engineers, testers or operations professionals.

**Location of Training:** Onsite or Online

**Means of Instruction:** Instructor Led Classroom or Virtual Classroom, Self Paced Video

**Number of Hours:** 24 (3 days)

**Credentials or Certificate Attained:** Certificate of Completion, PDU's, CEU's, College Credits

**Course Description & Outline:** Can be found [here](#)

## **NIST/NICE Work & Specialty Role Certification Training Programs**

[NCSF Foundation Outline](#) [NCSF Practitioner Outline](#)

Training content for the NCSF Foundation and Practitioner programs is available in print and digital book formats for instructor-led programs and as online videos for candidates looking for a self-study training solution. Training content for the NCSF Certification Training Library is available as online video only.

All programs come with a certificate of completion and continuing education credits, such as PDU and CEUs. itSM students who successfully complete the certification and meet university requirements may transfer credits and enroll in one of UMass Lowell's master's degree programs in information technology, such as network security or cybersecurity.

Those interested in taking the courses may find that programs such as workforce development, the G.I. Bill, apprenticeships, internships, employers and others will fund their participation.

**The INFOSEC Certification Training Library** prepares candidates to sit for the IT and information security (INFOSEC) certification exams aligned with the work and specialty roles associated with the NCSF. itSM's video training portal enables students be trained to sit for up to 25 NCWF work and specialty area professional certifications in IT and Cybersecurity from CompTIA, ISACA, ISC<sup>2</sup>, Mile2 and others.

**Location of Training:** Online

**Means of Instruction:** Self Paced Video

**Number of Hours:** Varies based on Program Selected

**Credentials or Certificate Attained:** Certificate of Completion, PDU's, CEU, College Credits

**Course Description & Outline:** Can be found [here](#)

**Credentials or Certificate Attained:** Certificate of Completion

**Course Description & Outline:** Can be found [here](#)

Training content for the INFOSEC Certification Training Library is available as online video only. All programs come with a printable student workbook, certificate of completion and continuing education credits, such as PDU and CEUs.

[NCWF Work Role or Specialty Certification Courses](#)