

DxCERTSSM

IT & NIST Cybersecurity Workforce Development
Training Curriculum & Management Program



Agenda and Objectives

- The Digital Transformation (Dx) Problem
- NISTCSF.COM Cybersecurity Curriculum Consortium
- DxCERTS IT & Cybersecurity Frameworks & Methodologies
- DxCERTS IT & Cybersecurity Training Curriculum Catalog
- DxCERTS IT & Cybersecurity Curriculum Delivery Formats & Benefits
- DxCERTS “All Access” Enterprise Subscription Program



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The Digital Transformation (Dx) Problem

- Today, due to the ever changing threat landscape created by Digital Transformation (DX) programs (IoT, Mobile, Cloud etc.) and a very sophisticated network of threat actors (i.e., the bad guys) enterprises need to build a workforce capable of engineering, maintaining and improving the best practice frameworks and methodologies required to identify, protect, detect, respond and recover from cyber-attacks.

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Cybersecurity Curriculum Consortium

- **itSM Solutions NISTCSF.COM** is a global consortium of academic, government and industry thought leaders working together to create Digital Transformation (DX) IT and Cybersecurity Training Curriculum (DxCERTSSM) that teaches the knowledge, skills and abilities to operationalize the frameworks and methodologies created by the National Institute of Standards and Technologies (NIST) and other internationally recognized institutes and organizations.
- The consortium's focus is to **create licensable assessment, curriculum and train-trainer-services** that will provide an affordable and scalable way for other academic and commercial institutions to offer these programs as part of their IT & Cybersecurity workforce development program.



IT & NIST Cybersecurity Frameworks & Methodologies

- **NISTCSF.COM Best Practice Frameworks and Methodologies curriculum areas include:**
 - NIST Cybersecurity Framework
 - NICE Cybersecurity Workforce Framework
 - Axelos ITIL® Cyber Service Management Framework
 - Axelos RESILIA™ Cyber Resilience Framework
 - ISACA Cobit Cyber Governance Framework
 - PMI PMBOK & Axelos PRINCE2 Project Mgmt. Methodology
 - IDT Digital Enterprise Readiness Framework
 - Cloud Security Alliance Cybersecurity Framework
 - SI Cyber Software & Application Security Testing Methodology

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IT & NIST Cybersecurity Training Curriculum Catalog

- itSM Solutions role-based curriculum solutions enables enterprises to build a workforce capable of operationalizing, maintaining and improving IT & Cybersecurity best practice frameworks, methodologies and technologies across an enterprise and its supply chain.

IT Service, Project, Cybersecurity & Cloud Mgmt. Training				Networking, Programming & INFOSEC Training			Business & Cyber Skills Training	
IT Service Management	IT Project Management	Cybersecurity Management	IT Cloud Management	Software Programming	IT Networking	Information Security	Microsoft Office Skills	General Business Skills
27 Courses	17 Courses	15 Courses	11 Courses	24 Courses	45 Courses	30 Courses	68 Courses	31 Courses
ITIL V3 ITIL V4 RESILIA COBIT ISO20000 DEVOPS DIGITAL READINESS AGILEshift SAFe	PMI PRINCE2 AGILE SCRUM	NIST CSF NIST 800-171 COBIT ISO27001 FAIR VaR DEVSECOPS	AZURE AWS COMPTIA SHAREPOINT SQL SERVER CLOUD SECURITY	C+ C++ JAVA PYTHON RUBY ANGULAR 5 ASP.NET HADOOP PERL SQL 2014 RESTFUL SELENIUM BOOT STRAP SECURE CODING	Microsoft Cisco COMPTIA VMware	ISC2 ISACA COMPTIA MILE2 CyberSec First Responder IoT	O365 END USER O365 ADMIN O365 SHAREPOINT O365 WEB APPS WORD EXCEL POWERPOINT OUTLOOK ACCESS PROJECT LYNX DATA ANALYSIS	HR LEGAL ACCOUNTING CYBERSECURITY IOT Awareness SOCIAL MEDIA COMMUNICATIONS COMPUTERS INTERNET SHAREPOINT PROJECT MGMT.

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Curriculum Delivery Formats

- **Video Instructor** Led Self-Paced Video Training with Online Mentoring
- **Video Instructor** Led Self-Paced Blended Team Training with Self-Paced Videos and Digital Courseware plus
- **Instructor Led** Online or Onsite Review Sessions
- **Instructor Led** Onsite Public Open Enrollment Training Classes with Digital Book or Print Courseware
- **Instructor Led** Onsite Team Training Classes with Digital Book or Print Courseware
- **Instructor Led** Onsite Team Training with Self-Paced Videos and Digital Courseware
- **Instructor Led** Virtual Public Open Enrollment Training Classes with Digital Book or Print Courseware
- **Instructor Led** Virtual Team Training Classes with Digital Book or Print Courseware



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Curriculum & Enterprise LMS Benefits

- NIST National Initiative for Cybersecurity Education (NICE) focused
- Accredited, White Label Print, Digital Book and Video Certification Curriculum
- Cyber Range Skills Training Programs and Advisory Services
- 100% Priced Right – no student left behind
- Role Based Training Curriculum with a focus on Engineering, Operations, Specialty Role & Risk Management professionals
- Client Branded Learning Management System (LMS) for Student Enablement, Mentoring & Reporting Services
- Instructor Led Delivery or Mentoring Sessions can be added to any program
- Instructor Train-the Trainer Sessions delivered online – no travel required
- Workforce Planning and Launch Services
- New Curriculum Planning and Development Services



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Career Pathway Programs

- **Cybersecurity Management** (NIST Cybersecurity Framework, NIST 800-171 etc.)
- **Cyber Resilience Management** (RESILIA)
- **IT Service Management** (ITIL V3, ITIL V4)
- **IT Governance Management** (COBIT5)
- **IT Project Management** (PMP, PRINCE2, SCRUM, AGILE)
- **Software & Application Launch Management (DEVOPS & DEVSECOPS)**
- **Cloud Management** (AMAZON, AZURE etc.)
- **IoT** (Awareness & Practitioner)
- **Enterprise Digital Transformation Management** (IDT Foundation & Practitioner)
- **Enterprise AGILITY Management** (AGILEshift)
- **Enterprise RISK Management** (FAIR Institute)
- **Cybersecurity Workforce Development** (NICE Cybersecurity Workforce Framework)
- **Cloud Security** (Cloud Security Alliance)
- **Information Security** (CISSP, CISA, CISM, Security+, Ethical Hacker etc.)
- **Secure Coding** (Software & Application Development)
- **Software Development** (C+, C++, JAVA, PYTHON, RUBY, ANGULAR 5, ASP.NET etc.)
- **Network Engineering** (Microsoft, Cisco, CompTIA & VMware)
- **Microsoft Office** (Office 365, SKYPE, Lync, Word, PowerPoint, Excel etc.)
- **Business Skills** (Communication Skills, Social Media, Accounting, Legal, HR etc.)



DxCERTS “All Access” Enterprise Subscription Program

- The DxCERTS “All Access” enterprise subscription program enables enterprises of any size to assign to its organization the NIST/NICE IT and Cybersecurity training programs required to learn the knowledge, skills and abilities to identify, protect, detect, respond and recover from cyber-attacks.
- This affordable, easy to use training and management program not only helps organizations get the right training to the right person at the right time at the right price but also equips management teams (HR, Learning & Development and Department Managers) with the management and reporting tools necessary to ensure a successful training outcome for both the student and employer.
- The DxCERTS “All Access” subscription program also provides enterprises with the capability to create the “workforce skills report” that might be required during an internal or governmental audit of an organizations IT and Cybersecurity workforce.



DxCERTS "All Access" Program Overview

DxCERTSSM "All Access" IT & NIST Cybersecurity Enterprise Training Curriculum & Learning Management System

Subscription Options:
1 to 3 Year Subscription Options

Management Options;
Client Branded Portal with Student Monitoring & Reporting

Hosting Options:
itSM Solutions or Client Hosted

Training Options;
Individual or Organizational Transformation Trainings

On-Demand


Accredited Programs




- > 250+ certification training videos
- > Digital Courseware
- > Online Mentoring
- > Online Learner Management
- > Certificate of Completion
- > Continuing Ed Credits

Individual or Group Career Pathway Programs

Video Learning & Quizzes




Digital Courseware




Multi-touch learning

Checkpoints & Sample Papers



Online Mentoring & Learner Management



Cybersecurity Management	NIST CSF	ISC ²	CompTIA	ISACA	MILE2
Service & Project Management	ITIL	COBIT	RESILIA	PMI	AGILE/ SCRUM
Networking & Cloud Mgmt.	Microsoft	Cisco	CompTIA	VMware	CSA
Software Programming	C+	C++	Java	Python	Ruby
Business Skills	Microsoft Office	HR	Legal	Finance	Social Media

Global Reach

Customization and New Program Development Options

DxCERTS “All Access”

Case Studies

- **Disney**

- Getting widespread adoption of a new method or way of working in such a large organization is no mean feat. ‘With over 700 domestic IT cast, we simply can’t adopt large-scale change overnight,’ he explains. ‘Where I talk about best practice and ITIL integration, at the start of the process, the staff only know how we do business. They are unaware of both ITIL and our interest in it. The first step is to make them part of Disney’s ITIL® Journey.’

- **Internal Revenue Service (IRS)**

- Rick Lemieux from itSM Solutions was involved in helping the IRS roll out its ITIL training program from the beginning. ‘ITIL V3’s focus on continual service improvement and putting the customer first fit well with the IRS’s objectives, so we took some time educating the executive teams on the benefits of ITIL V3. This wasn’t a hard sell because everyone could see the synergy there, but understanding the fit doesn’t mean you can roll it out instantly.’

Questions & Answers

