DxCERTS℠

IT & NIST Cybersecurity
Blended Learning Training Curriculum
& Student Management Platform

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Agenda and Objectives

- The Cybersecurity Workforce Problem

- NISTCSF.COM Cybersecurity Curriculum Consortium

- DxCERTS IT & NIST Cybersecurity Career Curriculum Pathways & Delivery Venues

- DxCERTS Unlimited Access Subscription Program

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The Cybersecurity Workforce 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.

NISTCSF.COM
IT & NIST 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 (DxCERTS℠) that teaches the knowledge, skills and abilities to operationalize the frameworks and methodologies created by the National Institute of Standards and Technologies (NIST), National Initiative for Cybersecurity Education (NICE), Axelos, ISACA, The Digital Transformation Institute 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.

DxCERTS
IT & NIST Cybersecurity Career Curriculum Pathways

- itSM Solutions DxCERTS curriculum enables enterprises of any size 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.

DxCERTS Enterprise Curriculum Pathways	Digital Transformation Readiness Framework Curriculum	NIST Cybersecurity & RESILIA Cyber Resilience Framework Curriculum	Digital Service Management & Digital Governance Framework Curriculum	NICE Cybersecurity Workforce Framework Information Security Curriculum	NICE Cybersecurity Workforce Framework Network & System Admin Curriculum	NICE Cybersecurity Workforce Framework Cloud Management Curriculum	NICE Cybersecurity Workforce Framework Software Programming Curriculum	NICE Cybersecurity Workforce Framework Project Management Curriculum	NICE Cybersecurity Workforce Framework Business Skills Curriculum
Pathway Description	This DxCERTS training and mentoring program enables students to learn the knowledge, skills and abilities to operationalize the digital transformation best practices outlined in the Digital Transformation Readiness Framework	This DxCERTS training and mentoring program enables students to learn the knowledge, skills and abilities to operationalize the the cybersecurity and cyber resilience best practices outlined in the NIST Cybersecurity and RESILIA Cyber Resilience Frameworks	This DxCERTS training and mentoring program enables students to learn the knowledge, skills and abilities to operationalize the Service Management and Governance best practices outlined in the ITIL and Cobit Frameworks	This DxCERTS training and mentoring program enables students to learn the knowledge, skills and abilities to perform the information security workforce roles outlined in the NICE Cybersecurity Framework	This DxCERTS training and mentoring program enables students to learn the knowledge, skills and abilities to perform the networking and administration workforce roles outlined in the NICE Cybersecurity Framework	This DxCERTS training and mentoring program enables students to learn the knowledge, skills and abilities to perform the cloud management workforce roles outlined in the NICE Cybersecurity Framework	This DxCERTS training and mentoring program enables students to learn the knowledge, skills and abilities to perform the application and software development workforce roles outlined in the NICE Cybersecurity Framework	This DxCERTS training and mentoring program enables students to learn the knowledge, skills and abilities to perform the project & program management workforce roles outlined in the NICE Cybersecurity Framework	This DxCERTS training and mentoring program enables students to learn the business skills necessary to communicate and work with the various lines of business within an enterprise
Pathway Roles	DTRF Engineer DTRF Operations Analyst DTRF Business Analyst DTRF Expert Practitioner	NISTCSF Engineer NISTCSF Operations Analyst NISTCSF Business Analyst NISTCSF Risk Management Analyst Cyber Resilience Engineer Cyber Resilience Operations Analyst Cyber Resilience Business Analyst	ITSM Engineer ITSM Operations Analyst ITSM Business Analyst ITSM Expert Practitioner ITSM AGILE Practitioner ITSM Governance Practitioner DEVOPS Practitioner	INFOSEC Engineer INFOSEC Operations Analyst INFOSEC Business Analyst INFOSEC Specialist Ethical Hacker, Pen Tester, Vulnerability Assessor, Forensics Investigator, First Responder, Wireless Network Professional, Auditor, Manager / Officer, Healthcare Professional, Secure Web Analyst, Disaster Recovery Analyst	Microsoft MCSA Microsoft MCSE Cisco CCNA Cisco CCNP VMware Professional CompTIA PC Specialist CompTIA Server Specialist CompTIA Network Specialist CompTIA Cloud Specialist CompTIA Linux Specialist CompTIA Healthcare Technician	Amazon Web Services Engineer Amazon Web Services Operations Analyst Microsoft Azure Engineer Microsoft Azure Operations Analyst	Software & Application Developer Javascript Specialist, ASP.NET Specialist, Angular 5 Specialist, SQL Server Specialist, C++ Specialist, C++ Specialist, Python Specialist, Runline Specialist, RUBY Specialist, HADoop Specialist, PERL Specialist, RESTful Specialist, BootStrap Specialist, Selenium Specialist	Project Management Professional SCRUM Professional AGILE Professional RISK Management Professional	Enterprise Business Skills Cybersecurity Awareness , Operating Systems, Sharepoint, Internet & Core Computing, Legal, Web Design, Accounting, Social Media, Human Resources, Communication Skills, Time Management Skills, Thinking Critically, Business Etiquette, Customer Service
Certification Bodies	APMG International	APMG International Axelos / Peoplecert	Axelos / Peoplecert ISACA	CompTIA ISC2 ISACA MILE2	CompTIA Microsoft Cisco Vmware	Amazon Microsoft	Various	Project Management Institute (PMI) Axelos SCRUMstudy	Various
Alignment with NICE Cybersecurity Workforce Categories	Oversee & Govern	Securely Provision Operate & Maintain Protect & Defend Oversee & Govern Collect & Operate Investigate Analyze	Securely Provision Operate & Maintain Protect & Defend Oversee & Govern Collect & Operate Investigate Analyze	Securely Provision Operate & Maintain Protect & Defend Oversee & Govern Collect & Operate Investigate Analyze	Securely Provision Operate & Maintain Protect & Defend	Securely Provision Operate & Maintain Protect & Defend	Securely Provision Operate & Maintain Protect & Defend	Oversee & Govern	Oversee & Govern

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DxCERTS
Career Curriculum Pathways

- **Digital Transformation (DX) Framework**
  - DTRF - Engineer, Analyst, Specialist & Expert

- **NIST Cybersecurity & Cyber Resilience Frameworks**
  - NISTCSF - Engineer, Analyst, Specialist & Expert
  - RESILIA - Engineer, Analyst, Specialist

- **Service Management & Governance Frameworks**
  - ITIL - Engineer, Analyst, Specialist & Expert
  - AGILE Practitioner
  - Cobit IT Governance - Engineer, Analyst, Specialist & Expert

- **NICE Cybersecurity Workforce Framework**
  - Networking - Engineer, Analyst, Specialist & Expert
  - Information Security - Engineer, Analyst, Specialist & Expert
  - Software & Application Secure Programming
  - Cloud Management - Engineer, Analyst, Specialist & Expert
  - Project Management Professional

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DxCERTS
Curriculum Delivery Venues

- Self-Paced Multi-Touch Video Training

- Blended Multi-Touch Video Training with Instructor Review Session

- Instructor Led Onsite or Online Training Classes with Multi-Touch Blended Courseware

- Instructor Led Onsite or Online Team Training Classes with Multi-Touch Blended Courseware

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DxCERTS Unlimited Access
Subscription Program

DxCERTS℠ "Unlimited Access"
IT & NIST Cybersecurity Training Curriculum & Student Management System

Subscription Options: 1 to 4 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

Individual or Group Career Pathway Programs

Accredited Programs

- 250+ certification training videos
- Digital Courseware
- Online Testing
- Online Mentoring
- Online Student Mgmt.
- Certificate of Completion
- Continuing Ed Credits

Video Learning & Quizzes

Digital Courseware

Multi-touch learning

Checkpoints & Sample Papers

Online Mentoring & Learner Management

Cybersecurity Management	NIST CSF	ISC²	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

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DxCERTS Unlimited Access
Subscription Program

- The DxCERTS unlimited access subscription program enables individuals and organizations to become trained and certified to engineer, operationalize and improve the IT and NIST Cybersecurity frameworks, methodologies and technologies utilized by enterprises across the globe.

- **DxCERTS INDIVIDUAL Subscription Program**
  This affordable, easy to use online training program enables students from across the globe to become trained and certified in the most sought after positions in IT & Cybersecurity.

- **DxCERTS ENTERPRISE Subscription Program**
  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 but also equips management teams (HR, Learning & Development and Department Managers) with the student management and reporting platform necessary to ensure a successful, on-time, training outcome for both the student and employer.

DxCERTS
Program Benefits

- DxCERTS career pathway programs are aligned with the industry leading IT & Cybersecurity frameworks and methodologies being adopted and operationalized by enterprises across the globe.

- DxCERTS enterprise subscription program enables organizations to affordability configure an IT & Cybersecurity career pathway training program for all its employees.

- DxCERTS flexible delivery options enable the program to be adapted to any organizational structure and training schedule

- DxCERTS online LMS Student Monitoring, Mentoring & Reporting platform ensures a successful outcome for both the student and employer

- DxCERTS online instructor Train-the Trainer program enables enterprises to quickly stand-up its own delivery and mentoring force.

- DxCERTS multi-year licenses enable individuals and enterprises to span the training over degree program years or enterprise budget cycles

- DxCERTS procure options include Credit Card, Purchase Order, HR Continuing Education Funds, and State of Federal Workforce Development or Grant Funds

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Questions & Answers