DxCERTSsm

IT & NIST Cybersecurity Career Pathway Training Curriculum & Student Management Platform



IT Experience. Practical Solutions.



Agenda and Objectives

- The Cybersecurity Workforce Problem
- NISTCSF.COM Cybersecurity Curriculum Consortium
- DxCERTS IT & NIST Cybersecurity Career Pathway Curriculum
- DxCERTS Unlimited Access Subscription Program





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 (DxCERTSSM) 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 online training curriculum that can be delivered in an instructor led classroom, virtual classroom or blended classroom or as a standalone self-paced video program.
- The consortium is also focused on delivering online train-the-trainer services that will enable academic and enterprise institutions to utilize existing resources to support the delivery or mentoring portion of its IT & NIST Cybersecurity workforce development and continuing education program.
- The consortium's UMass Lowell NIST Cybersecurity Framework NCSF-CFM certification training programs were recently featured in the <u>National CyberWatch</u> <u>Center 2018 Innovations in Cybersecurity Education magazine</u>.





DxCERTS IT & NIST Cybersecurity Career Pathways Curriculum

 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 DXCBRTS 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 security and RESILIA Cyber security and Frameworks | This DCCERTS 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 ITL 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 DACERTS 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 | ITSM Engineer ITSM Operations Analyst ITSM Business Analyst ITSM Expert Practitioner ITSM AGLE Practitioner ITSM Governance Practitioner DEVOPS Practitioner | INFOSEC Engineer INFOSEC Deprations Analyst INFOSEC Specialist Ethical Hacker, Pen Tester, Vulnersbilt Asseson, Forensie Investigator, Finst Responder, Wirelse Investigator, Finst Responder, Wirelse Network Professional, Secure Web Analyst, Drofessional, Secure Web Analyst, Disaster Recovery Analyst | Microsoft MCSA Microsoft MCSE Cisco CCNA Cisco CCNP VMware Professional CompTIA F Specialist CompTIA Server Specialist CompTIA Linux Specialist CompTIA Linux Specialist CompTIA Leathcare Techniclan | Amazon Web Services Engineer Amazon Web Services Operations Analyst Microsoft Azure Engineer Microsoft Azure Operations Analyst | Software & Application Developer Jewascript Specialist, ASP NET Specialist, Angular & Specialist, SQL Seners Specialist, Caylon Specialist, Runine Specialist, RVIN Specialist, Runine Specialist, RVIN Specialist, RADong Specialist, RVIN Specialist, RATUI Specialist, RVIN Specialist, RSTUI Specialist, RVIN Specialist, RSTUI Specialist, RVIN Specialist, RSTUI | Project Management Professional SCRUM Professional AGILE Professional RISK Management Professional | Enterprise Business Skills Cybersecuity Awareness, Operating Systems, Sharepoin, Internet & Coro Computing, Legal, Web Design, Accounting, Social Media, Human Resources, Communication Skills, Time Management Skills, Thising Critically, Ibusiness Etiguette, 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 |



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

itSM Solutions IT Experience. Practical Solutions.

DxCERTS

Program Benefits

- DxCERTS career pathway programs are aligned with the industry leading IT & Cybersecurity frameworks being adopted and operationalized by organizations across the globe.
- DxCERTS subscription program provides enterprises of any size the ability to offer training to all of its IT & NIST Cybersecurity workforce.
- DxCERTS flexible delivery options enable the program to be adapted to any organizational structure and training schedule
- DxCERTS online 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

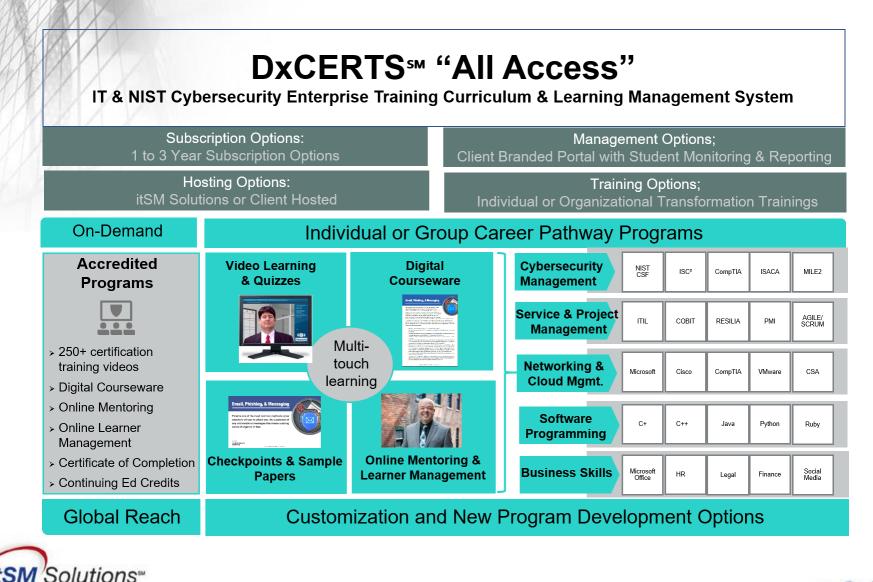


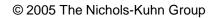


DxCERTS Unlimited Access

Subscription Program

IT Experience. Practical Solutions







DxCERTS "All Access" Subscription Program

- The DxCERTS "All 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 solution not
 only helps organizations get the right training to the right person at
 the right time but also provides management teams (HR, Learning &
 Development and Department Managers) with the online student
 management and reporting tools to ensure a successful, on-time,
 training outcome for both the student and employer.



Questions & Answers





