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NIST NICE Workforce Assessment
& Training Curriculum Solutions



Agenda and Objectives

- NIST National Initiative for Cybersecurity Education (NICE) Workforce Assessment & Curriculum Program
- IT & Cybersecurity Frameworks & Methodologies
- NICE Workforce Assessment & Mentoring Program
- NIST NICE IT & Cybersecurity Curriculum Catalog

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NIST NICE Workforce Assessment & Curriculum Program

- Today, enterprises need to build a workforce capable of engineering, maintaining and improving the IT & Cybersecurity frameworks and methodologies to identify, protect, detect, respond and recover from cyber-attacks.
- **itSM Solutions NISTCSF.COM** is a global consortium of academic, government and industry thought leaders working together to create IT and Cybersecurity curriculum that teaches the knowledge, skills and abilities to operationalize the frameworks and methodologies created by the NIST National Initiative for Cybersecurity Education (NICE), Axelos, CompTIA, ISACA, ISC2, PMI 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.

Frameworks & Methodologies

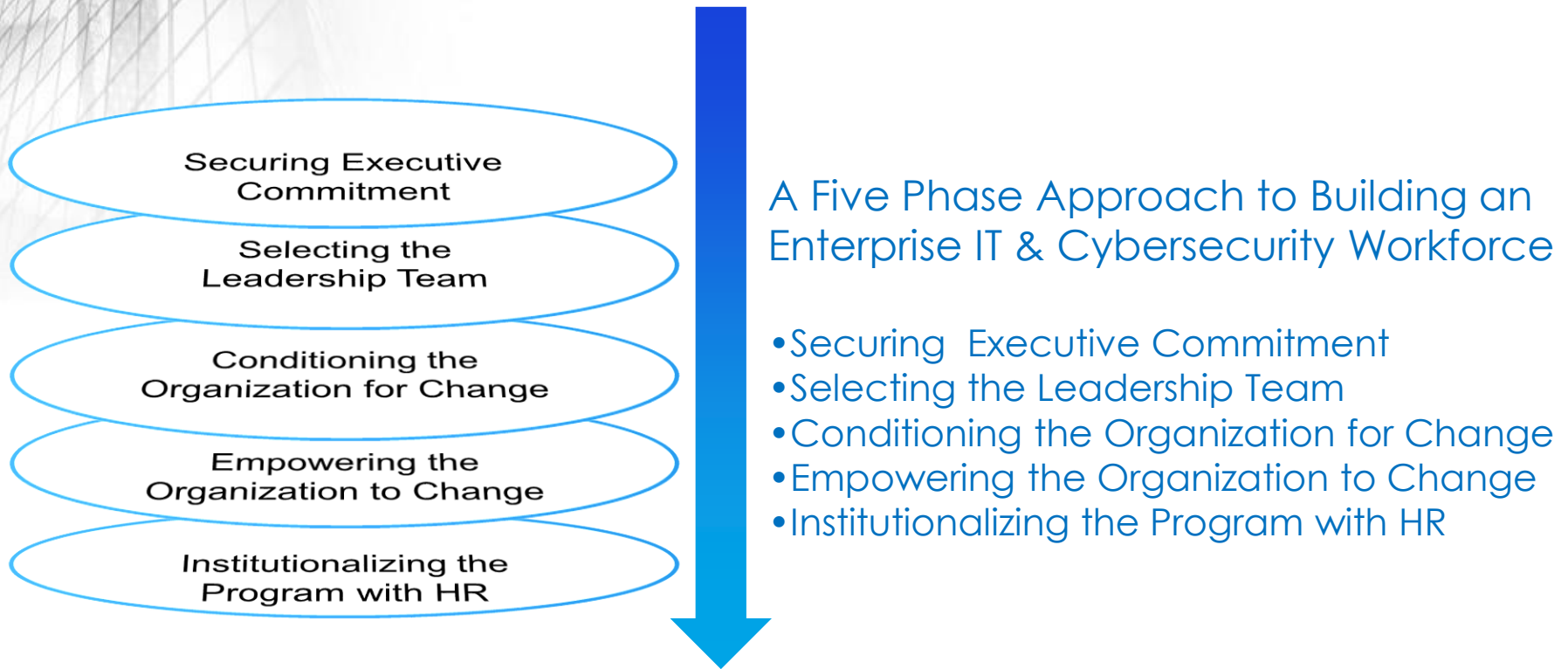
- **NISTCSF.COM Best Practice Frameworks and Methodologies curriculum areas include:**
 - NIST Cybersecurity Framework
 - NICE Cybersecurity Workforce Framework
 - Axelos ITIL® Cyber Service Management Framework
 - Axelos RESILIA™ Cyber Resilience Framework
 - ISACA Cobit Cyber Governance Framework
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

NICE Workforce Assessment & Mentoring Program

- NISTCSF.COM's National Institute of Cybersecurity Education (NICE) training assessment & mentoring program is a five phase approach to organizational change based on the key principles outlined in Kotter's eight step change process for organizational transformation.
- The NICE assessment & mentoring program provides enterprises with a structured approach on how to profile the knowledge and skills of their IT & Cybersecurity workforce and then map that profile to a series of role based training programs designed to create a workforce capable of engineering, maintaining and improving the IT & NIST Cybersecurity frameworks and methodologies an organization needs to identify, protect, detect, respond and recover from cyber-attacks.

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NICE Assessment & Mentoring Program



Phase #1 – Executive Training Services

Securing Executive Commitment



**Phase #1
Securing Executive
Commitment
(Executive Trainings)**

Organization Role	Objective	Training Programs
CEO, CFO, CIO, CISO CRO, CCO, PMO Director, SMO Director, Governance Director	To help the executive team understand the benefits associated with operationalizing a IT & Cybersecurity program	Executive Overview Executive Simulations Digital Readiness Training

Phase #2 – Leadership Training Services

Selecting the Leadership Team



**Phase #2
Selecting the
Leadership Team
(Leadership Trainings)**

Organization Role	Objective	Training Programs
Practice Owners, Service Owners, Change Mgrs. Operation Mgrs. CSI Mgrs. Business Analysts	To help the leadership team acquire the knowledge and skills to develop an actionable IT & Cybersecurity plan	Assessment Training NCSF Assessment Training Digital Readiness Training Planning to Change Workshop Internet of Things Training ITIL® Training RESILIA Training Prince 2 Training NIST Cybersecurity Training Simulations



Phase #3 – Enterprise Readiness Training



**Phase #3
Conditioning the
Organization for
Change
(Basic Trainings)**

Organization Role	Objective	Training Program
All IT staff, senior leadership, stakeholders and supply chain partners	To help condition the enterprise for IT & Cybersecurity change through a series of online awareness and simulation trainings	Awareness Simulations Digital Readiness Training

Phase #4 – Practitioner Training



**Empowering the
Organization to Change
(Specialty Trainings)**

Organization Role	Objective	Training Programs
1st Line Mgrs. Practice & Service Owners Architects & Strategists Operation & System, Analysts Business & Quality Analysts Program & Project Managers Operation & Change Mgrs. Service Level & CSI Mgrs. Tool Administrators	To provide the IT & Cybersecurity practitioners the knowledge and skills to plan, design, implement, operate and improve a IT & Cybersecurity program.	NIST Cybersecurity Framework Training NIST Cybersecurity Employee Training NICE Cybersecurity Workforce Trainings Internet of Things Training ITIL Trainings RESILIA Trainings Prince 2 Trainings ISO 27001 Training Cobit Training Simulation Trainings



Phase #5 – HR Training Program



**Institutionalize the
Program with HR
(HR Programs)**

Organization Role	Objective	Activities
HR Manager	To establish HR policies and procedures for training new employees and a career pathway for existing employees practicing IT & Cybersecurity	Setup both eLearning and role-based Blended Learning IT & Cybersecurity best practice training solutions for new and existing employees



IT & Cybersecurity Curriculum Catalog

- itSM Solutions NISTCSF.COM role-based curriculum solutions enables enterprises to build a workforce capable of operationalizing, maintaining and improving IT & Cybersecurity best practice frameworks and methodologies 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.

Curriculum & Mentoring Benefits

- **100% Online** Using Video and Digital Book Content (print books available upon request)
- **100% Priced Right** (no student left behind)
- **Role Based Training** – With a focus on Engineering, Operations, Specialty Role & Risk Management professionals
- **Learning Management System (LMS)** Student Mentoring & Monitoring Services to ensure successful training & business outcomes
- **Instructor Led Delivery** or Review Sessions can be added to any program if required
- **Enterprise Training Program** Planning and Launch Services
- **Partner Sales & Marketing** Planning and Launch Services
- **New Curriculum** Planning & Development Services

IT & Cybersecurity Career Pathways

- **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.)

Questions & Answers

