

# RSA® Conference 2016

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PROF-M08

## Cybersecurity Education and Workforce Development for the Nation



Connect to  
Protect

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# Mission of NICE



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To energize and promote a robust network and an ecosystem of cybersecurity education, training, and workforce development.



# NICE Goals



*Inspire a sense of urgency in both the public and private sectors to address the shortage of skilled cybersecurity workers*

*Strengthen education and training across the ecosystem to emphasize learning, measure outcomes, and diversify the cybersecurity workforce*



*Support employers to address market demands and enhance recruitment, hiring, development, and retention of cybersecurity talent*

# Building the Nation's Cyber Workforce

<https://niccs.us-cert.gov/>

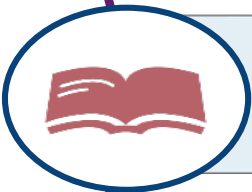


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## WORKFORCE DEVELOPMENT

- Cybersecurity Workforce Development Toolkit
- National Cybersecurity Workforce Framework
- Cybersecurity Strategy Implementation Plan



## TRAINING

- NICCS Cybersecurity Training Catalog
- Federal Virtual Training Environment (FedVTE)



## EDUCATION

- National Centers of Academic Excellence (CAEs)
- Cybersecurity Education and Training Assistance Program (CETAP)
- CyberCorps Scholarship for Service

# Cyber Workforce Strategy Overview



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**Workforce Management**

Cyberspace Workforce Management Issuances  
Define, Identify, Qualify, Track & Report

**Governance**

PROPOSED

Cyberspace Workforce Management Council  
Cyberspace Wf Framework & Quals Council  
Cyberspace Training Advisory Council

**Audience**

DoD

Federal  
Sector

Industry

Academia

**Recruit**

Hiring Authorities  
Compensation Pkgs  
Scholarships  
Internships/Co-op  
Education/Training  
Career Progression  
Opportunity Awareness

**Train**

Training  
Requirements &  
Standards  
Exercises  
Cyber Ranges  
Continuous  
Learning

**Retain**

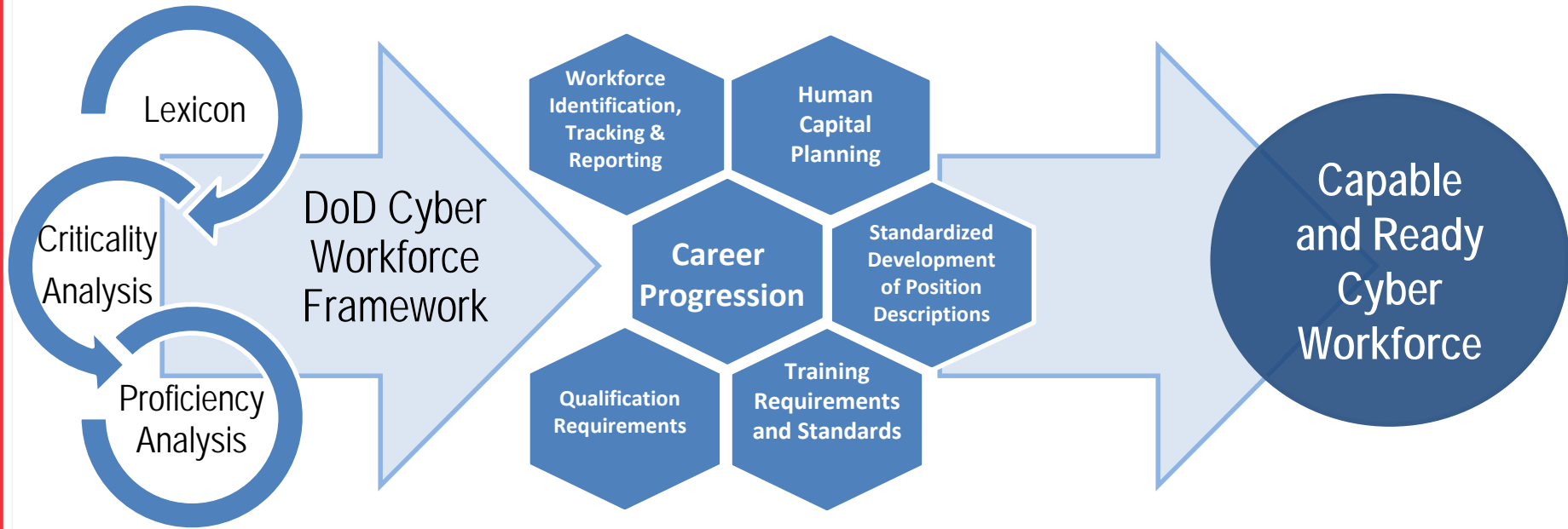
**Cyber Threat Knowledge**

Cyber Threat Knowledge Program  
Information Assurance Awareness Program

**Surge**

Reserve / Guard  
DoD Civilians / DIB Partners  
Public – Private Partners

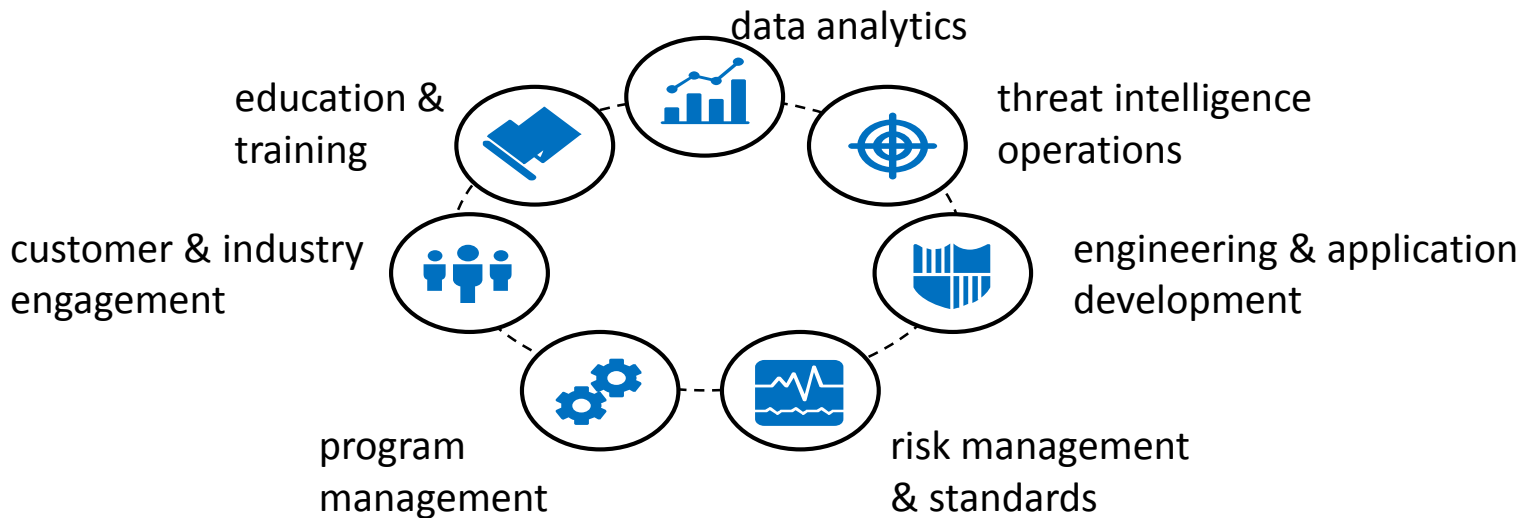
# Building Blocks



# Cyber Security is a Team Sport: Multiple Players in Multiple Positions



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# Questions?