Cybersecurity Education and Workforce Development for the Nation
Mission of NICE

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/

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

Workforce Management
- Define, Identify, Qualify, Track & Report
  - Cyberspace Workforce Management Council
  - Cyberspace Wf Framework & Quals Council
  - Cyberspace Training Advisory Council

Audience
- DoD
- Federal Sector
- Industry
- Academia

Governance
- Proposed

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

Cyber Threat Knowledge
- Cyber Threat Knowledge Program
  - Information Assurance Awareness Program

Surge
Building Blocks

DoD Cyber Workforce Framework

Lexicon

Criticality Analysis

Proficiency Analysis

Career Progression

Qualification Requirements

Training Requirements and Standards

Standardized Development of Position Descriptions

Human Capital Planning

Workforce Identification, Tracking & Reporting

Capable and Ready Cyber Workforce

Workforce Identification, Tracking & Reporting
Cyber Security is a Team Sport: Multiple Players in Multiple Positions

- data analytics
- threat intelligence operations
- education & training
- customer & industry engagement
- program management
- risk management & standards
- engineering & application development
- risk management & standards
Questions?