

NICE

NATIONAL INITIATIVE FOR **CYBERSECURITY** EDUCATION



▶ ***Component 4: Cybersecurity Workforce Training and Professional Development*** ◀

Peggy Maxson, DHS; Jane Homeyer, ODNI; John Mills, DOD

Component Organization and Leads

NICE Component 4
**Cybersecurity Workforce Training
and Professional Development**

ODNI Dr. Jane Homeyer
DoD John Mills
DHS Peggy Maxson

Functional Areas

**FA1: General
IT Use**

Chris Kelsall
Fed CIO Council
Roy Burgess
DHS

**FA2: IT
Infrastructure,
Operations,
Maintenance, and
Information**

George Bieber
DoD
Roy Burgess
DHS

**FA3: Law
Enforcement and
Counter-
intelligence**

Josh Black
DoD / DC3
Mel Sinkler
NCIX

**FA4: Specialized
Cybersecurity
Operations**

CAPT Jill Newton
NSA

Work Plan: Tasks

1. Population Review

*Define the Workforce
Construct the Framework*

2. Training Catalog

Identify training per level

3. Workforce Baseline Study

Assess quality

4. Workforce and Training Analysis

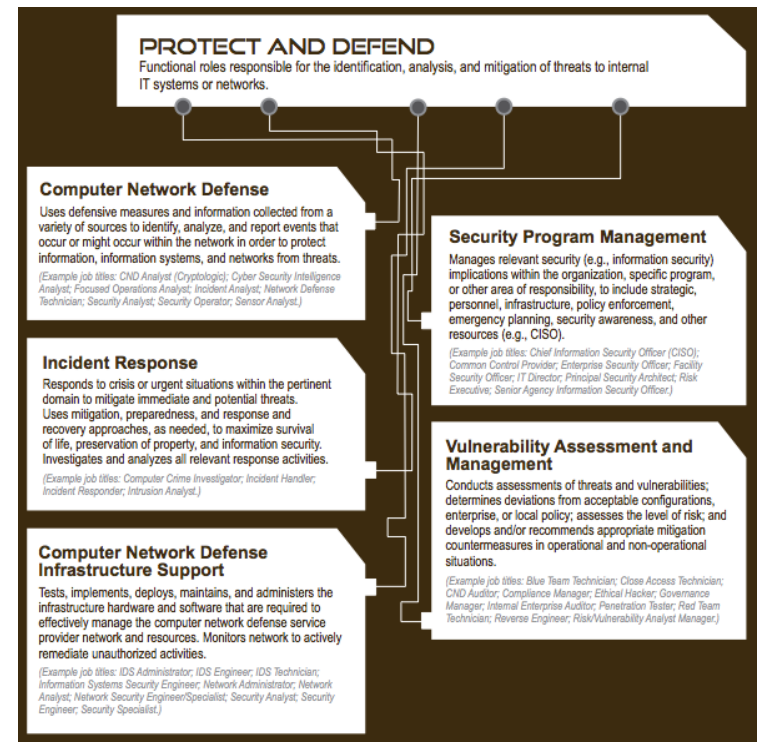
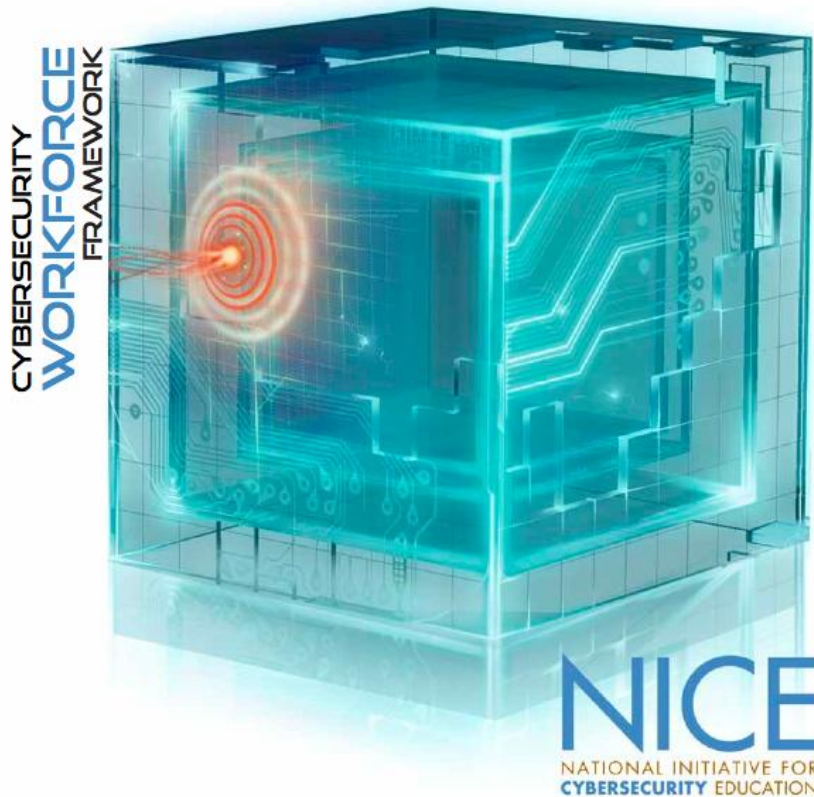
Identify gaps

5. Professional Development Roadmaps

Build pipeline of talent

6. Communication

Cybersecurity Workforce Framework



Debuts at NICE Workshop 2011!

Cybersecurity Course Catalog

The screenshot shows the NICE Cybersecurity Training Catalog website. The header includes the NICE logo (National Initiative for Cybersecurity Education) and the text "HUMAN-CAPITAL BASED CYBERSECURITY TRAINING CATALOG". Navigation links for "LEARN", "REGISTER", "EXPLORE", and "LOGIN" are visible. The main content area features a search bar with a "Submit" button, a dropdown menu for course types (All Source Analyst, Cyber Analyst, Threat Exploitation Analyst, Cyber Investigator), and a location input field. A central image shows a group of diverse professionals. To the right, a diagram illustrates the NICE Framework with boxes for "SECURELY PROVISION", "OPERATE & MAINTAIN", "PROTECT & DEFEND", "ANALYZE", "SUPPORT", "OPERATE & COLLECT", and "INVESTIGATE". Below this, there are three informational sections: "Using the Framework" with a link to learn more, "Spotlight on Providers" featuring the University of Maryland University College, and "About the NICE Initiative" with a video player showing Dr. Samuel Bell. The footer contains the URL "www.CSRC.NIST.GOV/NICE/" and links for "CONTACT US | PRIVACY POLICY | TERMS OF USE".

internal pilot, October 2011

National Institute for Cybersecurity Studies

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Cybersecurity News

- Cybertheft and the U.S. Economy**
[Council on Foreign Relations](#) | August 11, 2011
- Former CIA Counter-Terror Chief: Al Qaeda will go cyber**
[ABC News](#) | August 11, 2011
- Anonymous allegedly threatens to 'kill' Facebook**
[ComputerWorld](#) | August 10, 2011 09:50 AM
- China says it was targeted in 500,000 cyberattacks**
[The Huffington Post](#) | August 9, 2011 07:49 AM
- Anonymous hacker collective hits rural law enforcement**
[Homeland Security News Wire](#) | August 9, 2011 07:49 AM

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Cybersecurity Terms A-Z

Learn basic terminology and find out how you can become more cybersecurity aware.

Cybersecurity Degree Programs

Upcoming Training

- Oct 9** [SANS Baltimore 2011](#)
Baltimore, MD
SANS Commercial
- Oct 17** [Certified Information Systems Security Professional \(CISSP\) Preparation](#)
Live Online
UMBC Training Centers Commercial
- Oct 18** [Grid SecCon 2011](#)
New Orleans, LA
SANS Commercial

Newest Job Postings

- Today*
[Special Senior Advisor for Cyber Security \(SL\)](#)
Department Of Homeland Security – Washington DC Metro Area, DC
- Today*
[Sr. Cyber Security Researcher](#) - NEW
Idaho National Laboratory - Idaho Falls, ID
- Yesterday*
[Cyber Security Engineer](#)
SRA International - Arlington, VA
- Yesterday*

Proof of concept in the Exhibit Hall

Component 4 Sessions (Part 1)

- **NICE Cybersecurity Workforce Framework** *on Track 3*
Public Release at the NICE Workshop!
 - **Tutorial:** Yesterday
 - **Framework Introduction:** Today, 10:45-11:40
 - **Leveraging National Standards:** Today, 11:45-12:40
 - **Standards, Industry Perspective:** Today, 1:45-2:40
- **Digital Literacy** *on Track 1 with streaming video*
 - **Digital Literacy Initiatives:** Today, 2:45-3:40
 - **Changing Behavior in the Workplace:** Today, 4:00-4:55
 - **Federal Awareness Training:** Tomorrow, 11:00-11:55

Component 4 Sessions (Part 2)

- **Training Catalogue**
 - **Framework Application:** Yesterday, at tutorial
- **Baselines and Assessments** *on Track 3*
 - **Determining Current Cybersecurity Capabilities:**
Today, 2:45-3:40
- **National Initiative for Cybersecurity Studies (NICS)** *on Track 3*
 - **Introduction:** Tomorrow, 9:35-10:30
 - **In-Depth Discussion:** Tomorrow, 11:00-12:00
 - **Mock-up of Portal with Usability Testing:** Exhibit Booth

*for all
of NICE*