

National Cybersecurity Career Awareness Week

November 13-18, 2017

National Initiative for Cybersecurity Education (NICE)



Problem

There is an increasing need for qualified cybersecurity professionals, and a lack of understanding about what a cybersecurity professional does, what jobs are available in cybersecurity, and what cybersecurity career and academic pathways exist.

There are an estimated 299,000 active openings for cybersecurity-related jobs in the United States as of August 2017 (CyberSeek).

Globally, projections suggest a cybersecurity workforce shortage of 1.8 million by 2022. (ISC)²

Cybersecurity Awareness ≠ Cybersecurity Career Awareness

Objectives

- Create excitement around increasing public awareness and engagement in building a strong cybersecurity workforce.
- Emphasize the demand and opportunities in the field of cybersecurity.
- Increase awareness around the multiple career options within the field of cybersecurity.
- Highlight the numerous pathways to enter the cybersecurity career field.
- Showcase programs that increase participation of women, minorities, veterans, persons with disabilities, and other underrepresented populations in the cybersecurity workforce.
- Advance the NICE Strategic Plan objective to inspire cybersecurity career awareness with students.

About

The National Cybersecurity Career Awareness Week, brought to you by the National Initiative for Cybersecurity (NICE), is a week-long celebration focused on increasing awareness about careers in cybersecurity and how building a national cybersecurity workforce enhances America's security and economic prosperity.

NICE brings to the forefront information of local, regional, and national interest to inspire, educate and engage citizens to pique their interest in cybersecurity careers.

National Cybersecurity Career Awareness Week takes place during November's National Career Development Month, and each day of the week-long celebration provides an opportunity to learn about the contributions, innovations, and opportunities that can be found by choosing a career in cybersecurity.

Activities

- Day 1: Nov. 13, 2017 – Kickoff Event at the National Cybersecurity Center of Excellence
- Day 2: Nov. 14, 2017 – Increasing underrepresented populations
- Day 3: Nov. 15, 2017 – Webinar Nontraditional Pathways of Apprenticeship and Cooperative Education
- Day 4: Nov. 16, 2017 – Infusing Cybersecurity Across the Education Portfolio
- Day 5: Nov. 17, 2017 – Identifying Academic and Career Pathways
- Day 6: Nov. 18, 2017 – Increase Career Awareness through Informal Activities. Ending session at the National Cryptologic Museum

The 2017 activities have been organized around the four prongs of the *K-12 Cybersecurity Education Implementation Plan*; however, we encourage all stakeholders to engage in the week-long celebration.



Figure 4. Academic Disciplines and NICE Framework Categories



Figure 1. NICE Framework Categories



Figure 2. NCCAW Website



Figure 3. NCCAW Banner

How Do I Get Involved?

1. Visit the website nist.gov/nice/nccaw
2. Add the Facebook NCCAWFrame
3. Use Hashtags:
 - #MYCYBERJOB
 - #CYBERCAREERWEEK
4. Share the CyberSeek Career Pathway Tool



Figure 5. NCCAW Facebook Frame



References

1. CyberSeek (2017). <http://cyberseek.org/index.html>
2. (ISC) 2017 Global Information Security Workforce Study
3. NICE Framework: nist.gov/nice/framework works
4. NCCAW nist.gov/nice/nccaw