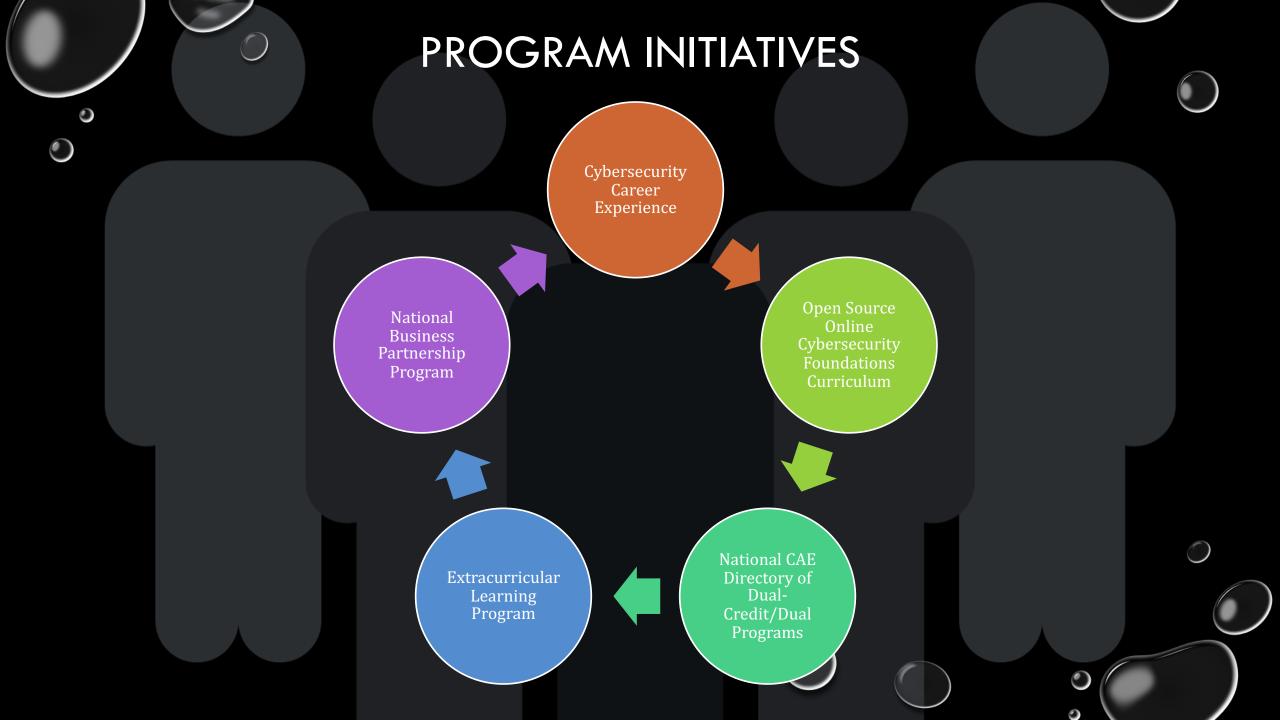


RATIONALE

OUR PROPOSED <u>NATIONAL K-12 CYBERSECURITY PIPELINE</u>
INITIATIVE WOULD PROVIDE SEVERAL BENEFITS TO THE NATION
AND CAE-C COMMUNITY:

- INCREASED NUMBER OF STUDENTS INTERESTED IN CYBERSECURITY CAREER PROGRAMS
- PROVIDE NEW OPPORTUNITIES FOR K-12 STUDENTS INTERESTED IN CYBERSECURITY CAREERS
- ESTABLISH AN EARLIER START PROGRAMS FOR STUDENTS PURSUING A CYBERSECURITY PROGRAM OF STUDY
- PROVIDE TUITION SAVINGS FOR STUDENTS AND PARENTS (ELIMINATE ENROLLMENT REPETITION BETWEEN K-12 AND COLLEGE COURSEWORK)
- INCREASED MATRICULATION AND RETENTION BETWEEN K-12 AND COLLEGE CYBERSECURITY PROGRAMS
- CREATE A MORE DIVERSE NATIONAL K-12 CAE-C PIPELINE

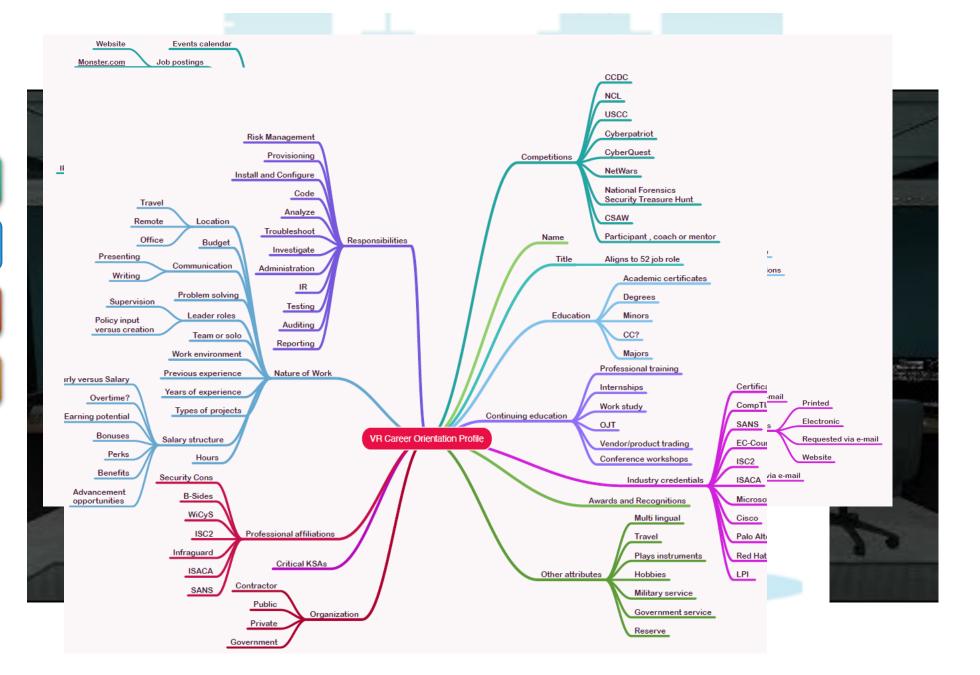


The Environment

Cyber Hero Avatars

Challenges/Easter Eggs

VR Demo



CYBERSECURITY FOUNDATION COURSE

FOUNDATIONAL KUS

- Cybersecurity Foundations
- Cybersecurity Principles
- IT Systems Components

TECHNICAL CORE KUS

- Basic Cryptography
- Basic Networking
- Basic Scripting & Programming
- Network Defense
- Operating Systems Concepts

NON-TECHNICAL CORE KUS

- Cuber Threats
- Cybersecurity Planning & Management
- Policy, Legal, Ethics, & Compliance
- Security Program Management
- Security Risk Analysis

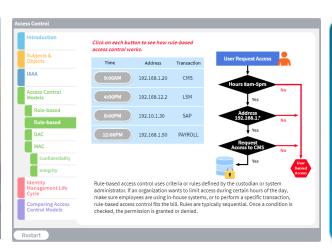
FULLY COVERED

PARTIALLY COVERED - INTRO LEVEL

PARTIALLY COVERED - INTRO LEVEL

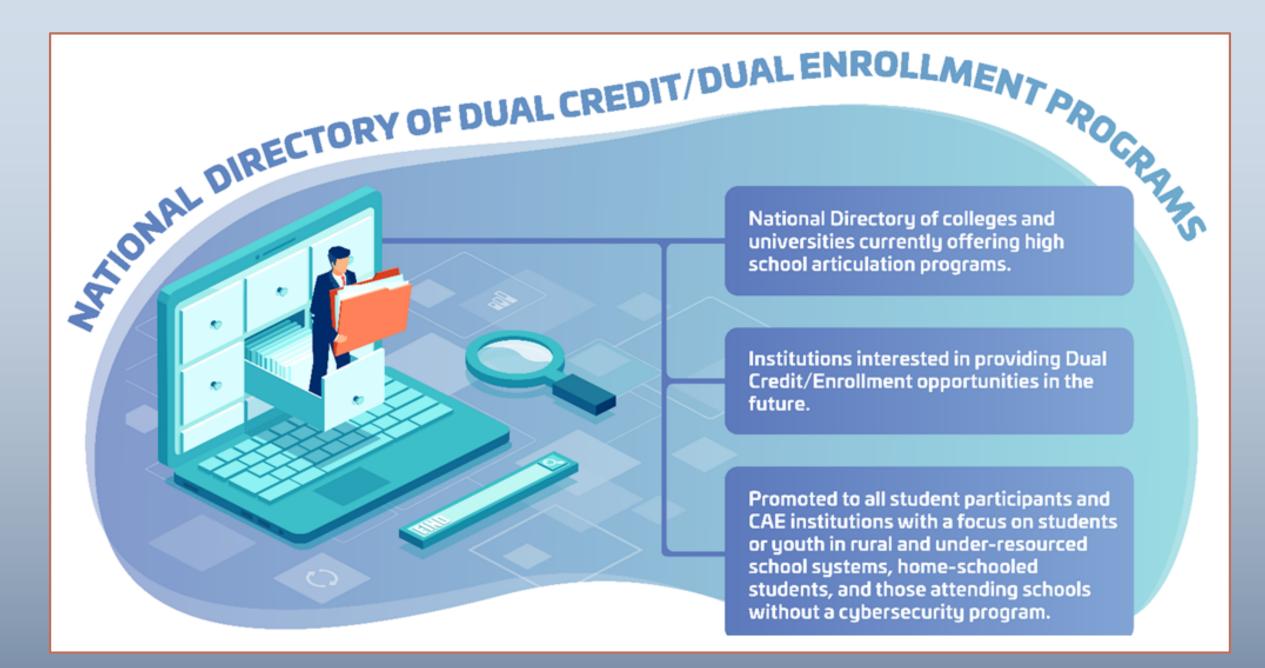






cisco

Networking Academy



After-school Programs

Honors Programs

Competitions

NATIONAL CYBERSECURITY EXTRA-CURRICULAR PORTAL AND BI-WEEKLY LIVE WEB SHOW

Student Organizations

Cybersecurity Events

Norkforce Opportunities

BUSINESS AND INDUSTRY PARTNERSHIP

- BUSINESS PARTNERS
- CISCO SYSTEMS, PALO ALTO NETWORKS, EMC DELL, VMWARE, LINUX PROFESSIONAL INSTITUTE (LPI), COMPTIA, ISC2, NDG, AND OTHERS
- PROVIDE THE STUDENTS PARTICIPATING IN THIS PROGRAM WITH A WEALTH OF SUPPORT AND RESOURCES:
 - INSTRUCTIONAL MATERIALS
 - SPONSORED EXAM VOUCHERS
 - ACCESS TO PRODUCTS AND SERVICES
 - SUBJECT MATTER EXPERTISE AND JOB FAIRS
 - FREE ACCESS TO THEIR EXTENSIVE PORTFOLIO OF ONLINE CYBERSECURITY CURRICULUM
 - ACCESS TO VIRTUAL CYBER RANGES, SIMULATORS AND WORKFORCE EXPERIENCES IN THE CYBERSECURITY INDUSTRY

