Cybersecurity Workforce Solutions
WHY SHOULD WE CARE?

• Cybersecurity Jobs Report: 3.5 Million Openings In 2025
  • Over an eight year period tracked by Cybersecurity Ventures, the number of unfilled cybersecurity jobs grew by 350 percent, from one million positions in 2013 to 3.5 million in 2021.

• For the first time in a decade, the cybersecurity skills gap is leveling off. Looking five years ahead, Cybersecurity Ventures predict the same number of openings in 2025.

• The U.S. Bureau of Labor Statistics projects “information security analyst will be the 10th fastest growing occupation over the next decade, with an employment growth rate for all occupations.

Source: Cyberseek.com
A TOOL IN LOUISIANA’S TOOLBOX

• Senate Bill 79 by Senator Mark Abraham
• Act 57 of the 2020 Regular Session (RS 17:3138.9) commissioned the Cybersecurity Education Management Council (CEMC) and the Cybersecurity Talent Initiative Fund.

• Cybersecurity Talent Initiative Fund
  Creates “…special fund for the purpose of funding degree and certificate programs in cybersecurity fields offered by public postsecondary education institutions in order to meet the state's workforce needs.”

• Cyber Education Management Council
  Designates the Regents-governed Cyber Education Management Council (CEMC) “…for the purpose of advising and making recommendations to the board with respect to distributions from the fund.”
PROGRAM OVERVIEW

The program funds projects statewide across a range of student demographics, industry sectors, institutional infrastructure, and coursework and learning experiences.

Projects are evaluated for relevance, sustainability, impact, and industry support.

$2M
Total cyber workforce development awards

17
Total proposals for cyber programs since inception

$1M+
Total proposed industry and private match

600+
Students impacted and reached

Source: Louisiana Board of Regents
**PROJECT SNAPSHOTs FROM YEAR ONE**

**Cyber Start: Accelerated Network Security Training (ANST)**
- Cohort of 10 female students
- Wrap-around services
- CompTIA A+, Network+, Security+ certifications
- A+: 100% passage (4 students)
- Network+: 100% passage (1 student)
- Security+: 8 students recently sat for exam
- *All 8 will graduate with CTC in Network Security*

**Central Louisiana Cyber Security Work-Based Scholarship Program**
- 3 students (2M, 1F): 2 Black, 1 Two+ Races
- All students new to cybersecurity
- Mentor: completed training
- All scholarship funds disbursed
- Students: New to BS Computer Information Systems
- Engagement: NIST, Homeland Security
- All 3 completed cyber assessments

Source: Louisiana Board of Regents
LSUS Cybersecurity Certification Incentive Program

- Joint effort between LSUS Computer Science and Continuing Education
- LSUS Cyber Collaboratory-based
- Certifications: 7 students currently, 17 scheduled for exams in June 2022.
- Internships: 2 currently employed.
- Interest: 10% increase in cyber concentration enrollment.

C-STEP: Cyber Security Talent Expansion Program

- Undergraduate Certificate (UC) in cybersecurity.
- Target certifications: CompTIA Network+ or Security+.
- Program: New courses and hands-on labs.
- Students: More than 50 enrolled across all classes and labs.
- Results: 70%+ passage rate on certifications.
- Interns: 4 at IT firm, 1 at security firm.

Source: Louisiana Board of Regents
FY 2022-23 APPLICATIONS SELECTED FOR FUNDING BY CEMC

• Louisiana Tech University (Cybersecurity Talent Expansion Program): $331,623

• Louisiana State University and A&M College (FIREStarter 2L Developing Cyber Talent with Hands-on Experiences in Digital Forensics and Industrial Control Systems): $344,397

• Southern University System (Cybersecurity Talent Initiative Program SUS-CyberTIP): $242,181

• Bossier Parish Community College (Accelerated Cyber Technology Training ACTT): $81,799
  o $66,040 as proposed plus an additional $15,759 to support Fletcher Technical Community College’s adoption of the BPCC program

Source: Louisiana Board of Regents
Supplemental Information

Act 57 of the 2020 Regular Session of the Louisiana Legislature

https://www.cyberseek.org/heatmap.html

Contact Information:
Monique Appeaning
Louisiana Legislative Fiscal Office
Email: appeaningm@legis.la.gov