CEROC
110100101
0010 001
1010 1101
100001010
CYBERSECURITY EDUCATION,
RESEARCH AND OUTREACH CENTER

TENNESSEE TECH
COLLEGE OF ENGINEERING
1915

CYBERSECURITY @ TECH

1. WHY CONSIDER CYBERSECURITY AS A CAREER?

- Cyber War is becoming the new trend…So, **DEFEND** <u>your nation in cyberspace</u> (better option than physical war). *Google USCYBERCOM*
- 75% of the population in the USA are victims of cyber-crime (as per recent studies).
- Average cost to ONE company per year for cyber-crime: $12.7 million (as per recent studies)
- The USA is ranked No. 1 in the world for having the most attack sources and attack victims (as per recent studies)
- <u>Demand for cyber security professionals grew 91%</u> during the 4 years from 2010 to 2014
- The U.S. Cyber Command seeks 5,000 cybersecurity professionals.
- The federal government will need 10,000 cybersecurity experts in the near future.
- The number of information security professionals worldwide is expected to increase to almost 4.24 million in the near future.
- Average salary is $87,000

2. WHY STUDY CYBERSECUIRTY @ TECH?

- Tech offers an undergraduate CS concentration in cybersecurity
- Tech offers a graduate program (MS and PhD) in cybersecurity
- Our program is on its way to getting certified by the National Security Agency and the Department of Homeland Security
- Tech houses Cybersecurity Education, Research, and Outreach Center. *Google TTU CEROC*
- We are working on getting students federal scholarships to study cybersecurity (covers all tuition + very generous stipends + direct opportunity to work for the government and national labs)
- We have the CyberEagles students club with many opportunities and activities. *Google TTU CyberEagles*
- Our security body of work are nationally recognized.

Growth in Job Postings (2010-2014)

Cybersecurity Postings: 91%   All IT Postings: 28%

Cybersecurity Salary Premium

Cybersecurity Postings: $83,934   ($6,459)   All IT Postings: $77,475

https://www.burning-glass.com/research-project/cybersecurity/