

# CENTER FOR INFORMATION ASSURANCE



Since the Center for Information Assurance (CfIA) was established in 2004, it has consistently met the criteria for maintaining its designation as a National Center of Academic Excellence in Information Assurance/Cyber Defense Education (CAE-CD) and Research (CAE-R) by the National Security Agency (NSA and Department of Homeland Security, DHS). The long-term goal is to establish a regional hub for Cybersecurity Education and Research in collaboration with public and private sectors in the State of Tennessee with significant impacts on economic development, citizen privacy and security.

The CfIA is a founding member of the National Cyber Security Preparedness Consortium (NCPC). This five-university consortium is currently funded through DHS/FEMA grants to develop cybersecurity courses on Understanding Social Engineering Attacks (USEA), Mobile Device Security & Privacy (MDS/MDP), Cyber Identity & Authentication (CIAA) and Examining Advance Persistent Threats (EAPT).

- Puzzle-Based Cyber Security Learning to Enhance Defensive Skills of Front-Line Technicians: A three-year NSF-funded research collaboration with Jackson State Community College.
- Adaptive Multi-Factor Authentication (A-MFA): A project that aims to develop an A-MFA system that recently received a patent.
- GenCyber 2016 & 2017: Cybersecurity camp for middle and high school students
- Cyber Ambassador Tech Camp 2018: Cybersecurity camp for high school students
- Professional Development Workshops: Workshops that focus on Digital Forensics, Secure Coding and Cyber Security



The University's undergraduate and graduate degree/certificate programs are below:

## Computer Science Department

- BS in Cyber Security Concentration
- Graduate Certificate in Cyber Security and Information Assurance
- PhD in Computer Science with Research and Dissertation in Cyber Security

## Business Information and Technology (BIT) Department

- Graduate Certificate Program in Business Information Assurance
- Graduate Certificate Program in Software Testing
- PhD in Business Administration with Research and Dissertation in Business Information and Technology



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