Tiffin University, Tiffin - Master of Science in Cyber Security

There are cyber threats out there, affecting business, lives and livelihoods. We have to be safe, no matter the cost. Every year, companies spend thousands, even millions, of dollars on cyber security. Our master’s degree will help you gain the knowledge, skills and abilities to succeed in multiple work roles in the cyber security.

Housed in the School of Criminal Justice and Social Sciences, TU’s master’s in cyber security stands above other programs that are more computer-science oriented. Our approach to cyber security is focused around students understanding threats and risk, legal and policy issues, and cyber technical skills, thus giving students a well-rounded education. TU’s lab in the Center for Cyber Defense and Digital Forensics, allowing students a place to not only explore new technologies but to hone cyber security skills.

TU’s outcomes are aligned with the National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework and three overall goals.

• Identifying the knowledge, skills, abilities and tasks that are required to succeed in multiple work roles
• Using a common lexicon which will allow for a universal understanding throughout the cybersecurity discipline
• Utilize the results of an iterative proficiency analysis to determine refined expectations for workforce performance at different position levels.

These outcomes are sure to prepare students to meet the expectations of the workplace.

There is a significant shortage of cyber security professionals destined to only increase due to a rapidly growing profession. The Bureau of Labor Statistics (BLS) reported in 2017 that information security jobs will increase 37% by 2022, which is three times the average growth rate for all other occupations. The BLS also reports that the average salary for a cyber security analyst with an advanced degree earns an average of $95,510 annually. This high average salary speaks to the shortage of qualified personnel in the field of cyber security. Currently, according to Cyberseek.org, there are 313,735 job openings nationally and 7,361 openings in Ohio alone, with most requiring advanced degrees.

Additional Information: https://www.tiffin.edu/academics/graduate/master-science/cyber-security

Cyber Security Major

CDS510: Introduction to Cyber Security
CDS511: Introduction to Information Systems and Operating Systems
CDS512: Law and Ethics in Cyber Security
CDS513: Network Security
CDS520: Cyber Threat Intelligence Analysis
CDS522: Cyber Resilience
CDS620: Cyber Investigations and Incident Management
CDS622: Cybersecurity Management
CDS630: Global Cyber Operations
CDS640: Executive Cyber Leadership

Tiffin University is a member of the Ohio Department of Higher Education, Higher Learning Commission, Accreditation Council for Business Schools and Programs, and the European Council for Business Education.
Core Capabilities

Access Control and Identity Verification
Cybersecurity
Economic Recovery
Forensics and Attribution
Infrastructure Systems
Interdiction and Disruption
Long-term Vulnerability Reduction
On-scene Security, Protection and Law Enforcement
Operational Coordination
Physical Protective Measures
Planning
Risk and Disaster Resilience Assessment
Risk Management for Protection Programs and Activities
Situational Assessment
Threats and Hazards Identification

Core Competencies

Abide by Professional Ethics
Disaster Risk Management
Governance and Civics
Leadership
Operate within the EM Framework, Principles, and Body of Knowledge
Possess Critical Thinking
Systems Literacy
Technological Literacy
Value Continual Learning

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