**TIFFIN UNIVERSITY**

# CYBER SECURITY

**Our economy is dependent upon technology for every aspect of its operation. Although technology has many benefits, it is vulnerable and can be exploited daily in automobiles, pacemakers, mobile banking apps, smart city technology, traffic systems, financial transaction systems, power grids, dams and planes. The bottom line is this: if you have an internet connection, you are vulnerable. Our nation needs your assistance in safeguarding our technology.**

Tiffin University's Cyber Security major addresses the evolving threats to our economy and society in cyberspace. We provide a solid background in technology applications, threat assessment and mitigation. The curriculum addresses the entire range of cyber operations, from analyzing the largest national and international cyber policy issues, to collecting data off the smallest hand-held devices. Through this major, students are exposed to the entire breadth of the field.

Our courses are cutting edge. We have the ability to quickly transition our program to keep pace with industry demands. One of the hallmarks of the program is the senior seminar, where students participate in a variety of hands-on activities that require network penetration and defense, as well as forensic analysis.

The program is interdisciplinary. We recognize the need for individuals who have deep analytical skills, can talk to clients and translate technical jargon. To add value to the field of cyber defense, it is important to understand the total environment, not just the technical piece.

**We will provide you with a solid background for a successful career in cyber security. Our coursework will further differentiate you from other candidates:**

**CYBER SECURITY CORE: 12 hours**
- CDS152 Introduction to Cyber Defense
- CDS345 Cyber Law and Ethics
- POL151 Introduction to National Security Studies
- POL313 American National Security Policy

**MAJOR: CYBER SECURITY: 54 hours**
- CDS244 Cyber Security
- CDS348 Incident Management
- CDS355 Penetration Testing and Vulnerability Analysis
- CDS424 Applied Network Security
- CDS444 Wireless Security
- CDS445 Cyber Warfare
- CDS491 Senior Seminar In Cyber Defense
- CST155 Introduction to Operating Systems
- CST201 Introduction to Programming
- CST230 Networking Fundamentals
- CST280 Database I
- CST301 Advanced Programming Techniques
- CST325 Linux
- CST330 Network Infrastructures I
- CST412 IT Project Management
- POL225 Introduction to Intelligence Studies
- SCS300 Research Design
- SCS470 Internship

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