Master of Cybersecurity Engineering

Completely Online
Available Fall 2018

Earn your Master of Cybersecurity Engineering degree from an “Academic Center of Excellence in Cyber Operations”. Auburn University is one of 16 universities in the nation to receive this designation by the National Security Agency.

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Description:
The graduate program prepares students for analyzing, developing, investigating, protecting, and defending the cyber ecosystem of organizations. As such, it focuses on the engineering and technical aspects of cybersecurity. The degree is designed to appeal to practitioners as well as research scholars through the choice of capstone experience.

Program Requirements:
The degree requires a minimum of 33 credit hours. The following courses are required:

Foundational Courses (9 credit hours)
- COMP 7270/7276 Advanced Algorithms
- COMP 7300/7306 Advanced Computer Architecture
- COMP 7500/7506 Advanced Operating Systems

Required Cybersecurity-Specific Courses (9 credit hours)
- COMP 6350/6356 Digital Forensics
- COMP 6370/6376 Computer and Network Security
- COMP 7370/7376 Advanced Computer and Network Security

Elective Cybersecurity-Specific Courses (select three of the courses listed below for a total of 9 credit hours)
- COMP 6520/6526 Network and Operating System Administration
- COMP 6700/6706 Software Process
- COMP 6720/6726 Real Time and Embedded Systems
- COMP 7700/7706 Software Architecture
- COMP 7710/7716 Software Environments
- COMP 7720/7726 Software Re-Engineering

Elective Courses (3 credit hours)
- 6000/7000/8000-level coursework relevant to cybersecurity and approved by the major professor.

Capstone experience (3 credit hours)
- COMP 7980/7976 Capstone Project

Admission Requirements:
Applicants should have a bachelor’s degree in computer science, software engineering or an equivalent technically-deep software-oriented equivalent discipline from an institution of recognized standing. Degrees or significant work experience in information technology, electrical engineering or other related disciplines may also apply. Applications will be evaluated on an individual basis by the department’s graduate admission committee.

Contact Us:
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Auburn University is an equal opportunity educational institution/employer.