HARRISON COLLEGE OF BUSINESS AND COMPUTING

CYBERSECURITY

Master of Science (MS)
Face to Face and Online Delivery

This is a guide based on the 2023-2024 Graduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on factors such as dual enrollment, remediation, and summer enrollment. Students meet with an academic advisor each semester and use Degree Works to monitor their progress.

CURRICULUM CHECKLIST

30 Hours Required
Core Requirements
___ CY501 Introduction to Cybersecurity (3)
___ CY510 Information Security and Assurance (3)
___ CY520 Info Security in System Admin (3)
___ CY530 Computer Network Security and Defense (3)
___ MA664 Computational Cryptography (3)
Choose one thesis option:
Thesis option
___ CY655 Research Methods in Cybersecurity (3)
___ CY691 Thesis Research I (3)
___ CY692 Thesis Research II (3)
___ GR699 Master's Oral Examination (0)
___ Choose 6 hours of electives from the list below; at least 3 hours must be at the 600 level (6)
Non-Thesis option
___ CY690 Graduate Project (0)
___ GR698 Master's Final Comprehensive Examination (0)
___ Choose 15 hours of electives from the list below; at least 12 hours must be at the 600 level (15)

Electives may be chosen from the following:
___ CS506 Distributed Cloud Computing (3)
___ CY610 Web Application Security (3)
___ CY620 Advanced Computer Forensics (3)
___ CY643 Independent Study (3)*
___ CY650 Legal, Risk and Compliance for Security (3)
___ CY653 Special Topics in Cybersecurity (3)*
___ CY660 Cyber Operations (3)
___ CY662 Ethical Hacking (3)
___ CY670 Secure Operating Environments (3)
___ CY699 Internship (3)*
___ MA510 Mathematical Foundations (3)
___ TN562 Introduction to Networks (3)
___ TN564 Routing and Switching Essentials (3)
*May be taken once for credit on program

Admission Requirements

In addition to the criteria established for general admission to graduate studies, applicants must have the following:

1. A bachelor's degree in cybersecurity or related field*
   * Students with bachelor's degrees from other fields will be required to take up to two prerequisites related to Fundamentals of Computing and Programming.
2. An undergraduate GPA of 3.0 on a 4.0 scale
3. Six completed hours of science and six completed hours of mathematics in the undergraduate degree

Probationary Admission
Applicants who do not meet the general and/or program's admission requirements may be considered for probationary admission upon approval by the graduate program coordinator. While under probation, students must complete nine credit hours that count toward the degree with a grade of "B" or better to continue in the program.

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2023-2024 degree map

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