

PROGRAM BREAKDOWN

Master of Science in Cybersecurity

(30 Graduate Level Semester Credit Hours – Estimated Completion Time 15 months)

Students enrolled in the Masters of Science in Cybersecurity must complete the following for graduation:

- 12 credits from the core courses.
- 3 credits for the final capstone project.
- 15 credits from the technical courses.
- Complete the three (3) co-requisite courses.

| COURSE NUMBER | COURSE NAME | CREDIT HOURS |
|--|---|----------------|
| Core Courses (12 credits). | | |
| MET 510 | Network Systems and Technologies | 3 credit hours |
| MET 520 | Cloud Computing and Data Analytics | 3 credit hours |
| MET 530 | Information Security | 3 credit hours |
| MET 540 | Systems Integration and Architecture | 3 credit hours |
| Technical Courses - 15 Credits | | |
| Network Security (6 Credits Required): Choose two courses from the below | | |
| MCS 516 | Principles of Information Security | 3 credit hours |
| MCS 524 | Network, Protocols and Security | 3 credit hours |
| MCS 563 | Cloud Security | 3 credit hours |
| MCS 592 | Computer Forensics | 3 credit hours |
| Information Systems (3 Credits Required): Choose two courses from the below | | |
| MBA 671 | Information and Technology Systems | 3 credit hours |
| MCS 616 | IT Operations | 3 credit hours |
| MCS 672 | IT Auditing and Secure Operations | 3 credit hours |
| MIT 537 | Risk and Information Systems Control | 3 credit hours |
| Advanced Security (6 Credits Required): Choose two courses from the below | | |
| MCS 539 | Advanced Cryptography | 3 credit hours |
| MCS 655 | Information Security and Penetration Testing | 3 credit hours |
| MCS 687 | Ethical Hacking and Response | 3 credit hours |
| MIT 547 | Information Security Management | 3 credit hours |
| Final Research Project – 3 credits | | |
| MCS 710 | Final project (Capstone) | 3 credit hours |
| Degree requirements (3 co-requisite courses - No credit): All students must complete the three co-requisite courses as part of the requirement for graduation. | | |
| LIS 400 | Information Resources for Academic and Professional Success | 0 credit hours |
| LIS 500 | Scholarly Writing and Research Strategies | 0 credit hours |
| LIS 700 | Research Methodology | 0 credit hours |