

MASTER OF SCIENCE IN CYBERSECURITY

The Master of Science in Cybersecurity program at Atlantis University prepares students for leadership roles in information technology security. It focuses on equipping students with the knowledge and skills to manage and secure information systems and technologies at both enterprise and individual levels.

PROGRAM OVERVIEW

30 Credits

Duration
14 Months

10 Courses

Tuition **\$35,260**
(both in-state and out-of-state)

PROGRAM OBJECTIVES

- **Deepen Knowledge:** Enhance understanding and skills in cybersecurity and information management.
- **Competitive Edge:** Enable students to compete for rewarding careers in the cybersecurity industry.
- **Leadership Development:** Cultivate leadership capabilities for public and private enterprises within the cybersecurity field.

PROGRAM OUTCOMES

Upon completion, students will:

- Understand cybersecurity and IT privacy across various factors.
- Grasp the implications of emerging technologies on security and privacy.
- Implement best practices and frameworks for organizational protection against cyber threats.
- Safeguard digital information assets and support IT infrastructures.
- Manage data and information security, anticipate and mitigate risks, and recommend best practices in security governance.

admissions@atlantisuniversity.edu
+1 (305) 377 -8817

CURRICULUM BREAKDOWN

COURSES

CORE COMPETENCIES (12 CREDITS)

- MCS 516 Principles of Information Security (3 credits)
- MCS 524 Network, Protocols, and Security (3 credits)
- MCS 563 Cloud Security (3 credits)
- MCS 592 Computer Forensics (3 credits)

TECHNICAL COURSES (15 CREDITS)

• Network Security (6 Credits Required):

- MCS 516 Principles of Information Security (3 credits)
- MCS 524 Network, Protocols and Security (3 credits)
- MCS 563 Cloud Security (3 credits)
- MCS 592 Computer Forensics (3 credits)

• Information Systems (3 Credits Required):

- MBA 671 Information and Technology Systems (3 credits)
- MCS 616 IT Operations (3 credits)
- MCS 672 IT Auditing and Secure Operations (3 credits)
- MIT 537 Risk and Information Systems Control (3 credits)

• Advanced Security (6 Credits Required):

- MCS 539 Advanced Cryptography (3 credits)
- MCS 655 Information Security and Penetration Testing (3 credits)
- MCS 687 Ethical Hacking and Response (3 credits)
- MIT 547 Information Security Management (3 credits)

FINAL RESEARCH PROJECT (3 CREDITS)

- MCS 710 Final Project (Capstone) (3 credits)

DEGREE REQUIREMENTS (NO CREDIT)

- LIS 400 Information Resources for Academic and Professional Success
- LIS 500 Scholarly Writing and Research Strategies
- LIS 700 Research Methodology

CAREER OPPORTUNITIES

Graduates acquire skills for roles such as:

- Cybersecurity Analyst
- Information Security Manager
- Network Security Engineer
- IT Security Consultant
- Security Architect
- Ethical Hacker
- IT Auditor
- Incident Response Specialist

The program ensures graduates have a comprehensive understanding of cybersecurity principles, effective implementation of security measures, and readiness to address evolving cybersecurity challenges.

JOIN US AND SHAPE YOUR FUTURE
IN A DYNAMIC COMMUNITY.

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