

Cybersecurity, M.S.

Mission Statement

The mission of the Department of Computer Science is to provide a high-quality, student-oriented educational experience to undergraduate and graduate students in the Northwest Florida region. The department prepares students for successful computing careers by empowering them with the knowledge and skills to contribute responsibly and creatively to a complex and ever changing world, and to continue professional development and life-long learning.

The M.S. in Cybersecurity degree program prepares graduates to be leaders in the protection of data assets and analysis of potential threats to systems and networks. The curriculum focuses on the techniques, policies, operational procedures, and technologies that secure and defend the availability, integrity, authentication, confidentiality, and non-repudiation of information and information systems and the development of secure software systems.

Student Learning Outcomes

Student learning outcomes for students in the Cybersecurity program are listed below. UWF Cybersecurity graduates should be able to do the following:

Content

- Analyze concepts, principles, and theories in computing technology for use in the cybersecurity field.

Critical Thinking

- Analyze cybersecurity problems and formulate and evaluate solutions.

Communication

- Deliver effective oral and written professional communications.

Integrity/Values

- Articulate professional, legal, and ethical issues in the program.

Assessment of Student Learning Outcomes

Cybersecurity graduate students will acquire advanced skills and knowledge that enable them to join a computing or information technology profession or continue a path of higher education towards a doctoral degree. They will be assessed in several cybersecurity classes as well as a research seminar, which is a required class completed at the end of their program of study. The seminar class allows students to demonstrate an integrative grasp of the outcomes by studying contemporary issues in cybersecurity and developing appropriate solutions to problems.

Job Prospects for Cybersecurity Graduates

- Security Analyst
- Security Architect
- Malware Analyst
- Cybersecurity Engineer
- Cybersecurity Specialist
- Cybersecurity Advisor

Find out more about Cybersecurity, M.S. at UWF:

https://onlinedegrees.uwf.edu/my/ms-cybersecurity/?utm_source=referring&utm_medium=referral&utm_campaign=partnersite_test