

## CYBERSECURITY

### Mission Statement

*The mission of the Department of Computer Science is to provide a high-quality, student-oriented educational experience to our undergraduate and graduate students. 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 Department of Computer Science offers a Bachelor's of Science in Computer Science, Cybersecurity, and Software Design & Development.*

### Program Descriptions

The B.S. in Cybersecurity degree program prepares graduates to be leaders in the protection of data assets and analysis of potential threats to system 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 in local as well as broadly-based domains.

### 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

- Identify and analyze threats and vulnerabilities in systems, and develop secure computing solutions.

#### Critical Thinking

- Employ computing strategies to analyze and solve problems.

#### Communication

- Create and deliver effective oral presentations and written reports with appropriate tools and technologies.

#### Integrity/Values

- Describe ethical issues and responsibilities that relate to a computing professional.

## Project Management

- Employ effective project-management skills to develop computing solutions either individually or through interdisciplinary teams within a global and societal context.

## Assessment of Student Learning Outcomes

Students pursuing the undergraduate Cybersecurity program will demonstrate skills specific to their degree. Several upper-level courses will give students the opportunity to identify and reflect on degree content, critical thinking, communication, integrity, and project management skills through the completion of assignments that meet departmental standards and integrate what the students have learned. Opportunities to showcase student work will become available as the study progresses, and these include the opportunity to participate in undergraduate research projects with faculty, or to present the results of student work at university or external events.

## Job Prospects for Cybersecurity Graduates

Programmer

Cyber security analyst

Systems designer

Database administrator

Database developer

Data analyst

Operations manager

Project manager

Network administrator

Network programmer

Security analyst

Software consultant

Software systems tester

Forensics specialist

Network manager

Software developer

***Find Out More about Cybersecurity at UWF:***

**<http://uwf.edu/computerscience/>**