Cybersecurity, BS

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 B.S. in Cybersecurity 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 more broadly-based domains. The major helps prepare students for careers as information systems security professionals, senior system managers, and system administrators responsible for information systems and the security of those systems.

Student Learning Outcomes

UWF Cybersecurity BS 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.
Assessment of Student Learning Outcomes

The program will be assessed annually through a rotating model of assessing one of the four Student Learning Outcome (SLO) per year, completing the program assessment within four years. An Assessment Committee will develop an assessment plan for each year to select the SLO and the corresponding courses that are being assessed. The course coordinators for assessed courses will be charged with developing the instrument for assessment and collecting and submitting the assessment data to the Assessment Committee at the end of the semester for review and to make recommendations for program improvements to the entire faculty.

Employment Opportunities for Cybersecurity

Cybersecurity has become a major concern to society. Businesses and government are making significant investments in cyber defense resulting in a growing job market of cybersecurity professionals. Students completing the degree will have a wide range of career opportunities including Cybersecurity Analyst, Network Administrator, Database Administrator, Software Developer, and more.

Find Out More about Cybersecurity at UWF:

https://uwf.edu/hmcse/departments/computer-science/undergradmajors/bs-cybersecurity/