Computer Science, 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 careers in computing 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 Computer Science degree program provides students with knowledge and skills in algorithmic programming, software development, and research of computational methods for creating innovative solutions. This program offers two concentration areas in software engineering and data science. However, other concentrations may be chosen with the approval of a faculty advisor. The program prepares students for doctoral studies and careers in software engineering, data analytics, and other computing fields.

Student Learning Outcomes

UWF Computer Science MS graduates should be able to do the following:

Content

- Develop and analyze relevant algorithms and their efficient implementation in a variety of environments.

Critical Thinking

- Identify and analyze alternate approaches to solving computational problems.

Communication

- Employ effective and professional technical writing and presentation skills.

Integrity/Values

- Identify ethical issues and responsibilities within the computing profession.

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. Course coordinators will be charged with collecting

assessment data from course instructors and submitting the data to the department's Assessment Committee at the end of the semester for review. Upon review of the assessment data, the Assessment Committee will be charged with making recommendations for program improvements to the entire faculty.

Job Prospects for Computer Science MS Graduates

The demand for professionals with advanced skills in computing and software development is continuously growing. Students completing the degree will have a wide range of career opportunities including Software Engineer, Software Consultant, Senior Programmer, Systems Engineer, and more.

Find out more about Computer Science MS at UWF:
https://uwf.edu/programs/hmcse/computer-science-ms/