MASTERS OF SCIENCE IN DATA SCIENCE

Mission Statement

The Department of Mathematics and Statistics strives to provide quality undergraduate and graduate education in Mathematics and Statistics and Data Science and to contribute to the community, region, and profession through research and services. The goal of these programs is to prepare students for a successful professional career in data science.

Student Learning Outcomes

Graduates with a Master of Science in Data Science should be able to do the following:

Content

Identify, formulate, and solve complex data problems by selecting and applying appropriate methods.

Critical Thinking

Understand the broad impact of data on society and can raise critical questions about data, its interpretation, and visualization, and the methods by which these are produced

Communication

Formulate reasonable interpretations of data and share them effectively through visual and narrative means.

Integrity/Values

Recognize ethical and professional responsibilities in data science situations and make informed judgments, which must consider the impact of the solutions in global, economic, environmental, and societal contexts.

Assessment of Student Learning Outcomes

Program SLOs will be assessed using selected student work in the core course of Statistical Modeling (STA5176), Modeling in Regression (STA 6235) and Capstone Projects in Data Science (IDC 6XX1-1). Within these courses, exam questions and projects are used to assess program-level outcomes. Students are required to take Capstone Projects in Data Science (IDC 6XX1-1) during the last semester. Projects from each track are used to assess student outcomes from each track.

Job Prospects

With a Master of Science in Data Science degree, you can pursue jobs in a variety of fields that involves working with data (of any kind). Some of the opportunities a Master of Science in Data Science degree holder enjoys include:

- A statistician who works for national governments, local authorities, consulting and reporting companies, market research companies and research institutes.

- Business intelligence reporting professional, who works for tech companies, financial companies, consulting and reporting companies.
- Data Analyst who works for telecommunications companies, finance companies, manufacturing companies, construction and utility companies and other large companies.
- Data Mining or Big Data Engineer who works for tech companies, entertainment companies, retail and trade companies.
- Program/Project Manager who works for any company.

For more information about MS Degree in Data Science:

https://uwf.edu/hmcse/departments/mathematics-and-statistics/graduate-program/ms-data-science/