



**College of Sciences
Academic Learning Compacts**

Data Science - B.S.

Discipline Specific Knowledge, Skills, Behavior and Values

1. Students will develop and demonstrate academic and technical skills across the three major components of the data science major: statistics, mathematics, and computer science. The skills will be assessed at a level that is appropriate for entry-level employment or for graduate studies.
2. Graduating students will successful secure relevant positions in data-oriented industry jobs or in relevant graduate studies.

Critical Thinking

1. Students will apply skills learned in the program to deliver original reports and analysis in open-ended data science projects. Hands-on data science experience is critical for standing out in the competitive data job market.
2. Graduating students will successful secure relevant positions in data-oriented industry jobs or in relevant graduate studies.

Communication

1. Students will demonstrate the ability to effectively communicate the outcomes of data analysis projects at a level that is appropriate for both non-experts and experts. This includes strong public speaking and personal skills, along with effective use of slides and data visualizations.
2. Graduating students will successful secure relevant positions in data-oriented industry jobs or in relevant graduate studies.

Assessment of Data Science - B.S. Outcomes

These outcomes will be assessed using a variety of assessment methods, including:

- Tests/exams
- Projects
- Presentations