



**College of Sciences  
Academic Learning Compacts**

**Actuarial Science - B.S.**

**Discipline Specific Knowledge, Skills, Behavior and Values**

1. Students will demonstrate knowledge of the fundamental probability tools for quantitatively assessing risk.
2. Students will demonstrate an understanding of the fundamental concepts of financial mathematics.
3. Students will demonstrate knowledge of mathematical statistics.

**Critical Thinking**

1. Students will demonstrate knowledge of the fundamental probability tools for quantitatively assessing risk.
2. Students will demonstrate an understanding of the fundamental concepts of financial mathematics.
3. Students will demonstrate knowledge of mathematical statistics.

**Communication**

1. Students will demonstrate knowledge of mathematical statistics.

**Assessment of Actuarial Science - B.S. Outcomes**

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

- Tests/exams
- Projects
- Presentations