



**College of Sciences
Academic Learning Compacts**

Actuarial Sciences, BS

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 applied statistical methods.
4. Students will demonstrate knowledge of corporate finance.
5. Students will demonstrate knowledge of economics.

Critical Thinking

6. Students will demonstrate knowledge of the theoretical basis of actuarial models and the application of those models to insurance and other financial risk.
7. Students will demonstrate an understanding of the steps involved in the modeling process and how to carry out these steps in solving business problems.

Communication

8. Students will effectively communicate actuarial results and recommendations in writing.

Assessment of Actuarial Sciences, B.A. Outcomes

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

- Papers
- Tests
- Projects
- Performance Evaluations