

B.S. Mathematics with Actuarial Science Concentration

Program	B.S. Mathematics with Actuarial Science Concentration
Department(s)	Mathematical Sciences
College	Sciences

1. Student Learning Outcomes for the program. List the Student Learning Outcomes for the program. *Number for later reference.*

Our students that graduate with either a B.S. or a B.A. in the Mathematical Sciences will...

1. Demonstrate a solid understanding of differential (1A), integral (1B) and multivariable (1C) calculus, and be able to apply these concepts to a variety of problems.
2. Demonstrate a solid understanding of vector calculus (2A), linear algebra (2B), and ordinary differential equations (2C), and be able to apply these concepts to a variety of problems.
3. Be able to think analytically and critically and to formulate problems, solve them, and interpret their solutions.
4. Prepare for and complete the two exams offered by the Society of Actuaries (1-Financial Mathematics, and 2-Probability and Statistics).
5. Communicate effectively in writing.
6. Have experience applying knowledge from one branch of mathematics to another and from mathematics to other disciplines.

Items highlighted gray are common with the BS/BA math majors.