

**DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE**  
**Bachelor of Science in Mathematics**  
**Bachelor of Science in Mathematics Education**

**MISSION STATEMENT**

The mission of the Department of Mathematics and Computer Science, as determined by its commitment to excellence in teaching, research, and service, is to maintain an academic environment that:

1. Provides quality academic programs that encourage student interaction with faculty and that encourage students to perform with distinction within and beyond the University.
2. Provides faculty with opportunities, resources, and rewards to achieve excellence in teaching, research and service to the University, to the profession, and to the community.
3. Enhances and enriches the intellectual, economic, and social/cultural life of the region.
4. Assists graduate students as they develop from competent mathematics educators into leaders in the decision making processes that are critical to mathematical education.

**STUDENT LEARNING GOALS**

**Goal #1** - All mathematics graduates will demonstrate knowledge and understanding of the fundamental theories, techniques and practices of their major area of concentration.

**Goal #2** - Students will be able to summarize and distinguish among the current uses of technology such as computer algebra systems, visualization software, statistical packages, and computer programming languages.

**STUDENT LEARNING OBJECTIVES**

**Objective #1.1** - Mathematics majors will progress from a procedural/computational understanding of mathematics to a broad understanding encompassing logical reasoning, generalization, abstraction, and formal proof.

**Objective #1.2** - Mathematics majors will become skilled at conveying their mathematical knowledge in a variety of settings, both orally and in writing.

**Objective #2.1** - Math majors will be able to demonstrate competency in and understanding of the uses of computers and various programming languages.