

Mathematics Department Program Level Learning Objectives

Goal 1: Understand Mathematical Content

Students who major in Math will demonstrate competency in Algebra. (Computational and advanced theoretical)

Students who major in Math will demonstrate competency in Calculus .

Students who major in Math will demonstrate competency in Non-routine Computation.

Students who major in Math will demonstrate competency in proving theorems.

Students who major in math will demonstrate competency in effectively using computing tools and other technologies to solve and support conjectures.

Goal 2: Communicate Mathematical Ideas

Students who major in Math will demonstrate competency in the written presentation of problem solutions.

Students who major in Math will demonstrate competency in the verbal presentation of problem solutions.

Students who major in Math will demonstrate the ability to present Mathematical Topics in a written and verbal format.

Goal 3: Being prepared for the next level

Students who major in Mathematics will report that they are informed about internships, research or employment that would move their career forward.

Students who major in math will take and pass licensing exam or graduate entrance exams.

Students who major in math complete the application process for career or graduate school.

Students will be able to articulate key mathematical concepts and the role of mathematics in society.