All Mathematics major courses develop at least one of the student learning goals in the list below. After completing all the courses in the Mathematics major, our majors should:

1. be able to write clear and correct mathematical proofs;
2. be able to utilize technology, such as graphing calculators and symbolic manipulation software, as an aid for solving mathematical problems;
3. be able to convert from symbolic to graphical or pictorial representations, and be able to utilize these representations to solve mathematical problems;
4. be proficient in computational and symbolic manipulation;
5. be able to formulate models corresponding to “real-world” problems, including “ill-posed” problems, and be able to solve the mathematical problems arising from such models.