

Program Learning Outcomes Mathematics

Upon graduation, majors should have a set of fundamental competencies:

1. Demonstrate analytical skills and extensive experience with the tactics of problem solving and logical thinking. Graduates will have the ability to ask all-important questions and perform suitable quantitative analysis.
2. Demonstrate a solid understanding of rigorous mathematical proof. Students will be able to write clear well-organized and logical mathematical arguments..
3. An ability to identify, formulate, abstract, and solve mathematical problems that use tools from a variety of mathematical areas, including algebra, analysis, probability, and differential equations.
4. A deep understanding of at least one more area of specialization within mathematics.
5. Working knowledge of computer technology, software, and algorithmic processes necessary in quantitative analysis.
6. An ability to communicate effectively and to function well on multi-disciplinary teams.