

Bachelor of Science in Mathematics

The following Program Learning Outcomes have been established by Evangel faculty to define the areas of knowledge and skills that students graduating from this major degree program should have developed:

1. Demonstrate critical thinking and problem-based learning skills to understand, interpret, and evaluate mathematical principles and applications.
2. Communicate findings in standard written and oral formats.
3. Develop a realistic understanding of the various challenges and benefits of mathematics vocations through work studies, internships, or summer research opportunities.
4. Demonstrate a working knowledge of fundamental algebraic structures (e.g., groups, rings, and fields), number and calculus theories.
5. Identify, formulate, abstract, and solve mathematical problems that use tools from a variety of mathematical areas, including algebra, analysis, probability, and differential equations.
6. Demonstrate a solid understanding of rigorous mathematical proof and express mathematical concepts accurately and concisely in numerical and spoken language.
7. Demonstrate a basic working knowledge of the properties of complex numbers and complex-valued functions.
8. Working knowledge of computer software and algorithmic processes necessary for quantitative analysis.
9. Apply mathematical concepts to concrete and abstract problems, and draw logical conclusions using the logic, and inductive and deductive reasoning.