

# Bachelor of Science in Mathematics

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## Program Student Learning Outcomes

Students graduating with a Bachelor of Science (BS) in Mathematics will be able to:

- Demonstrate knowledge of the techniques of modern mathematical subjects including all of algebra, analysis, discrete mathematics, and probability and statistics.
- Demonstrate an ability to solve problems using skills such as deductive logic, data analysis, computation, modeling, connections, and other mathematical techniques.
- Demonstrate an ability to create mathematical proofs.
- Demonstrate an ability to read, write, and speak about mathematics.
- Demonstrate cognizance of their mathematical knowledge, of mathematics around them, and of the benefit of continued study of mathematics.
- Demonstrate an understanding of the connections between mathematics and another discipline relying significantly on mathematics and recognize mathematical ideas embedded in other contexts.