

UNLOCK YOUR POTENTIAL

Choose a Math Major!

Benefits

Develop critical skills:

Sharpen your problem-solving and analytical abilities, preparing you for complex challenges in various domains.

Ignite your passion:

Dive into the joy and excitement of mathematical exploration, making learning fun and challenging.

Build teamwork and leadership:

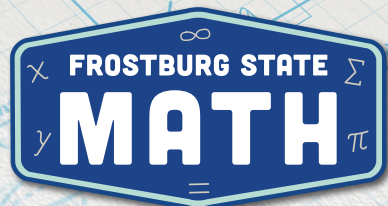
Take advantage of strong faculty support, interactive classes, and small class sizes, with hands-on learning and leadership opportunities in our student Learning Assistant program.

High earning potential:

Start your career with impressive starting salaries typically between \$60,000 and \$70,000.

Future-proof skills:

Mathematics is crucial in our data-driven world, with 33% job growth projected in math-related fields (2020-2030).



Requirements

Calculus Sequence:

- Math 236 (Calculus 1), 237 (Calculus 2), and 238 (Calculus 3)
- This standard sequence includes differential, integral, and multivariable calculus, emphasizing meaning-making and problem-solving in context

Statistics:

- Math 280 (Applied Statistics and Data Analysis) and 380 (Probability and Statistics)
- This sequence includes applied and theoretical tools, setting up opportunities in diverse areas including data science and actuarial science

Applied Math and Programming:

- Math 350 (Linear Algebra), 432 (Differential Equations) and 470 (Math Models and Applications), Cosc 240 (Computer Science 1)
- This sequence studies systems of equations and vector spaces, real-world problems involving rates of change, model-building processes, and the generation and interpretation of results

Pure Math:

- Math 315 (Foundations of Math), 451 (Modern Higher Algebra 1), and 452 (Modern Higher Algebra 2)
- This sequence includes logical reasoning, formal math thought, and proof writing in a variety of fields of math

Electives:

- Two electives at the 400-level
- Choose from classes such as Geometry, Real Analysis, Linear Algebra II, History of Math, and Theory of Numbers

Capstone Experience:

- Math 491 (Seminar in Math)
- This is the culmination of the program, including an independent research project

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For more information:

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www.Frostburg.edu/Math

FSU is committed to making all of its programs, services and activities accessible to persons with disabilities. To request accommodation through the ADA Compliance Office, call 301-687-3035 or use a Voice Relay Operator at 1-800-735-2258. Frostburg State University is a smoke-free campus.