

## Be Prepared for the Future – Study Mathematics

## Unlimited Opportunity

# change the world

Modern mathematics is essential in today's world and its importance to other fields has never been as great. In our highly technical world, the demand for people who can understand and use the language of mathematics continues to grow rapidly. Trained mathematicians and math educators are needed in a variety of fields.

A bachelor's degree in mathematics prepares students for:

- graduate studies in a number of academic areas such as mathematics, computer science, engineering, business, and education.
- careers in actuarial analysis, biomathematics, computer science, cryptography, financial and market analytics, management, medicine, operations research, and statistical analysis.

Governors State University is an upper-division public university providing quality baccalaureate, master's, and doctoral degrees and certificate programs.

Students seeking to complete a degree program, enhance their qualifications, and improve their skills will find the program that fits their goals at GSU. Classes are offered at convenient times and locations, via the Internet and as media courses.

Governors State represents the best educational value in Illinois with one of the lowest tuition rates of any public university in the state. Financial aid is available to both qualified full and part time students.

**Bachelor of Arts in Mathematics**

**Bachelor of Arts in Mathematics  
With a Secondary Teacher  
Education Sequence**

**Mathematics Education Certificate**



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# Mathematics at GSU

Mathematics is the science of problem solving. It is the process of finding a solution, insightful deduction, and accurate computation.

## The Bachelor of Arts in Mathematics

program at Governors State University takes mathematics study and application to the next level, providing students with the insight and skill sets needed in today's competitive job market.

GSU's undergraduate major in mathematics offers a balance between theoretical and applied study, providing students with a substantial and broad background. Students take coursework in the areas of linear algebra, differential equations, statistics, non-Euclidean geometry, and complex number system. The GSU mathematics program provides opportunities to develop skills in logical thinking, problem analysis, problem solving, and computer usage. Students use the latest mathematics software including Maple®, Minitab®, and the Geometer's Sketchpad®.

Electives may be used to supplement and expand on the study of mathematics and related topics or used to create a minor specializing in a related science, (biology, chemistry, computer science, psychology) or business area of concentration, (finance, accounting, management).

## The Bachelor of Arts in Mathematics with Secondary Education Sequence and Certificate in Mathematics Education

include coursework and teaching experience required for secondary education certification. The certificate program requires a bachelor's degree in mathematics. Both programs are accredited by the National Council for Accreditation of Teacher Education (NCATE) and are approved by the Illinois State Board of Education (ISBE).

For a complete list of program requirements, visit [www.govs.edu/catalog](http://www.govs.edu/catalog).



## Faculty

The mathematics faculty are highly qualified and diverse in specializations and interests. They understand that mathematics is best learned through exploring, innovating, discovering, and solving.

Class size is small with state-of-the-art problem solving tools. Instructors are accessible as both academic advisors and program mentors.



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