

College of Sciences and Engineering

Graduate Program

The Department of Mathematics offers a program of study leading to the Master of Science degree (M.S.) in Mathematics and Physics with a concentration in Mathematics. Application for admission may be obtained from the university's Graduate School.

Support Services

A vast amount of resources is available to help increase the student's chances of success in mathematics. The Mathematics Laboratory, which is equipped with modern computer technology, challenges the student to complete supplementary exercises outside of actual class time, corresponding to their respective lectures. The Laboratory also includes a tutorial component that is open to students who need assistance in mathematics.

Some classes utilize technological advances such as graphing calculators and computer software, which give students a chance to investigate more challenging concepts.

These services, along with countless classroom and office hours, emphasize the department's commitment to excellence in mathematics education.

For further information, please contact:

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Mathematics



**SOUTHERN
UNIVERSITY**

AND AGRICULTURAL & MECHANICAL COLLEGE

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Mathematics

Why Mathematics?

Mathematics is a subject that is more widely treasured for its sheer elegance than its immediate usefulness. It is certain that our scientific and technological society cannot advance in this globally competitive environment without the tools gained from mathematics.

The study of mathematics parallels the study of such subjects as music, religion, and language. Mathematics is simply a part of human nature. Mathematics is a study of natural patterns and examining inferences in an effort to give generalized results.

Abstraction, order, inference, chance, and patterns are all terms that are commonplace in the language of mathematics. Mathematics only accepts logic, not beliefs, as its standard. There is still a lot of mathematics to be done, both for technological advances and to satisfy our intellectual curiosities.

Why Southern University?

The undergraduate program at Southern University has been developed to prepare students with a wide variety of areas of mathematics. In addition to servicing students from other disciplines like computer science, physics, engineering, business, and biology, the department offers intermediate and advanced courses to prepare students with a sound foundation to enter careers that make extensive use of mathematics. In addition, the department provides specialized training for high school and middle school teachers.

Mathematics Organizations

Southern University has mathematics organizations and services:

- **Pi Mu Epsilon** – National Mathematics Honorary Society. Louisiana Beta Chapter of PME is open only to students who display excellence in mathematics.
- **Mathematics Club** – open to students with interest in mathematics and have shown a level of proficiency in mathematics. The Math Club organizes community outreach activities such as tutoring services and fund-raising events.

Program Objectives

Southern University's Mathematics program develops students to:

- Solve various mathematical problems in various courses using appropriate strategies
- Express mathematical concepts effectively through oral and written statements
- Engage in mathematical modeling to relate real world/ physical phenomena to mathematical ideas
- Use technology as an aid to solve mathematical problems
- Exhibit an understanding of the clear nature of mathematics through the use of proof and deductive reasoning and logical arguments

