



## MEET THE FACULTY

### **Dr. Connie Campbell**

Interests: Graph theory, foundations of mathematics, theology, and travel

### **Mrs. Gayla Dance, Chair**

Interests: Calculus, differential equations, and amateur naturalist

### **Dr. Mark Lynch**

Interests: Hyperspaces, pool, brewing, kayaking, and hiking

### **Dr. Robert Shive**

Interests: Mathematics analysis, calculus, computer science, digital images, and aviation

### **Ms. Tracy Sullivan**

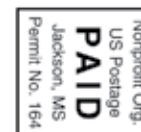
Interests: Calculus, watching football, and fishing

### **Dr. Yan Wang**

Interests: Graph theory, analysis of algorithms, and linear algebra

For more information about the mathematics department please call 601-974-1365 or email Mrs. Gayla Dance at [dancegf@millsaps.edu](mailto:dancegf@millsaps.edu). You can also visit us online at [www.millsaps.edu/math](http://www.millsaps.edu/math).

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1701 NORTH STATE STREET  
JACKSON, MS • 39210-0001



# GOT MATH?



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## MATHEMATICS AT MILLSAPS COLLEGE

The mathematics department at Millsaps College provides a curriculum designed to fulfill the needs and interests of any student that wishes to pursue mathematics. The department supports two majors: Mathematics and Applied Mathematics. Whether your goals are to pursue graduate school, to find a career in industry or government, or simply to develop your analytical skills to their highest potential, the mathematics department is ready to provide you with the mathematical experiences you need.



## FOUNDATIONAL COURSES

All Mathematics and Applied Mathematics majors at Millsaps College begin their coursework by completing the following four courses: **Calculus II (MATH 2230)**, **Calculus III (MATH 2240)**, **Introduction to Advanced Mathematics (MATH 2310)**, and **Linear Algebra (MATH 3650)**

These courses form the foundation for nearly all subsequent work in mathematics. In order that students are prepared for the more advanced courses in their major, these four courses should be completed by the end of the sophomore year. All majors must also complete Senior Seminar (MATH 4902—4912) during their senior year.



## MATHEMATICS AND APPLIED MATHEMATICS

In addition to the foundational courses, students complete one of two majors with the following courses:

### A. THE MATHEMATICS MAJOR (10 courses total)

To major in mathematics, students must complete five additional courses: **Abstract Algebra (MATH 4620)**, **Advanced Calculus (MATH 4630)**, **two elective mathematics courses**, and **one course outside the department, chosen from a list of approved courses, that is related to mathematics**

### B. THE APPLIED MATHEMATICS MAJOR (12 courses total)

To major in applied mathematics, students must complete seven additional courses: **Differential Equations (MATH 3540)**, **Mathematical Statistics (MATH 4510)**, **Computer Science I (CSCI 1010)**, **two elective mathematics courses**, chosen from a list of courses approved for the applied mathematics major, and **two courses from one department outside mathematics, chosen from a list of approved courses, that use applications of mathematics**

## WHAT CAN YOU DO WITH A MATHEMATICS MAJOR?

Students with a degree in mathematics are routinely praised for their incredible analytical skills. Employers seek mathematics majors regardless of the particular work involved because of their ability to solve problems. Banks and investment firms, insurance companies, government agencies (such as the NSA, census bureau, or CDC), pharmaceutical companies, and publishing firms are only a few of the vast employment opportunities that are available to math majors.

Furthermore, mathematics provides a solid preparation for graduate school in several fields. Majors frequently go on to graduate school in mathematics, statistics, medicine, engineering, actuarial science, business, and law. Whether you are interested in mathematics for its own sake or in applications of mathematics in a particular subject, a degree in mathematics gives you the foundation for a lifetime of critical thinking and learning.

*For both majors, students must earn a grade of C- or better in all courses for the major.*