

## MISSION STATEMENT

Texas College is a Historically Black College founded in 1894, by the Colored Methodist Episcopal Church, now the Christian Methodist Episcopal Church (CME). Our mission continues to embody the principles of the Christian Methodist Episcopal Church. The College shall prepare students with competencies in critical and creative thinking related to the knowledge, skills and abilities as defined in the areas of study using different modalities of instruction. Additionally, the College shall provide an environment to inspire intellectual, spiritual, ethical moral and social development, which empowers graduates to engage in life-long learning, leadership, and service. (Restated and approved by the Board of Trustees, October 24, 2024).

## CORE VALUES

To address the mission, the College incorporates the core values of:

**Academic Excellence** - Developing a culture of curiosity and creativity that will challenge the frontiers of teaching/learning; stimulate research; raise the level of analytical reasoning and inquiry; and enable students to acquire leadership, human relations, communication, and technology skills.

**Integrity** - Instilling the pursuit of character, honesty, and sincerity of purpose as the moral rubrics upon which the behaviors of our graduates and College family are anchored.

**Perseverance** - Implanting diligence, enterprise, and pride in the application of skills, knowledge, and abilities developed during the course of study at Texas College.

**Social Responsibility** - Promoting in the College community a conscious awareness that we are all stewards of the resources entrusted to our care.

**Tolerance** - Emphasizing openness to divergent points of view, applying an eclectic approach to rational and analytical thinking.

**Community Service** - Encouraging self-extension in service to others as the heart and soul of our educational enterprise.

## VISION STATEMENT

Texas College - a creative, culturally diverse, inclusive environment, preparing students who aspire to be purpose-driven, financially secure and marketable leaders.



## CONTACT Us

### TEXAS COLLEGE

(903) 593-8311  
2404 North Grand Avenue  
Tyler, Texas 75702  
[www.texascollege.edu](http://www.texascollege.edu)

### OFFICE OF ADMISSION

(903) 593-8311, ext. 2297  
1 (800) 306-6299  
[admissions1@texascollege.edu](mailto:admissions1@texascollege.edu)

### DIVISION OF NATURAL AND COMPUTATIONAL SCIENCES DEPARTMENT OF MATHEMATICS

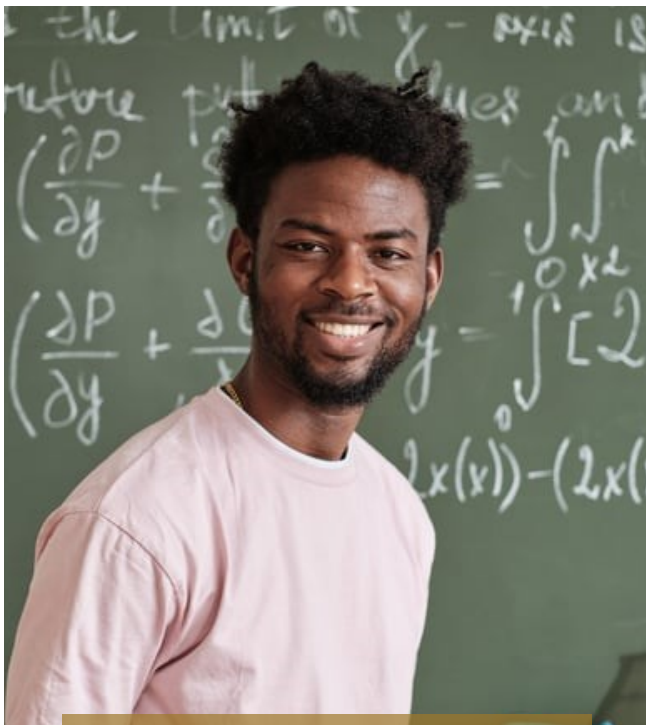
(903) 593-8311, ext. 2257



THE DIVISION OF NATURAL AND  
COMPUTATIONAL SCIENCES

## MATHEMATICS





## MATHEMATICS AT TEXAS COLLEGE

The Department of Mathematics at Texas College provides a broad liberal arts foundation in the area of mathematical study. Students are introduced to mathematical topics, principles and foundational preparation that will assist with graduate school entry and/or entry into professional fields. The curriculum emphasizes computing and mathematical modeling designed to give students a modest advantage in the job market. The Department of Mathematics programs leads to the Bachelor of Science degree and/or preparation of the Educator Preparation Program.

The Mathematics program, within the Division of Natural and Computational Sciences:

- Prepares students to enter graduate school;
- Prepares students to teach at the elementary and secondary levels;

- Prepares students to apply the use of quantitative and logical reasoning abilities needed for citizenship, industry, government, business, and other areas; and
- Prepares students to develop the awareness of and appreciate for the role of mathematics.

## WHY STUDY MATHEMATICS IN THE THIRD MILLENNIUM

Mathematics is the oldest art and the oldest science. Virtually, every culture of man throughout history has included the study of mathematics, as an important component of formal and informal education. Over a period of several thousand years mathematics has established a consistent, amazing, and uncanny record of creating theories, designing models, deducting facts, and making predications about natural phenomena. When you study Mathematics, you don't just get a major, you gain a view of the universe.

## WHAT'S IN IT FOR YOU?

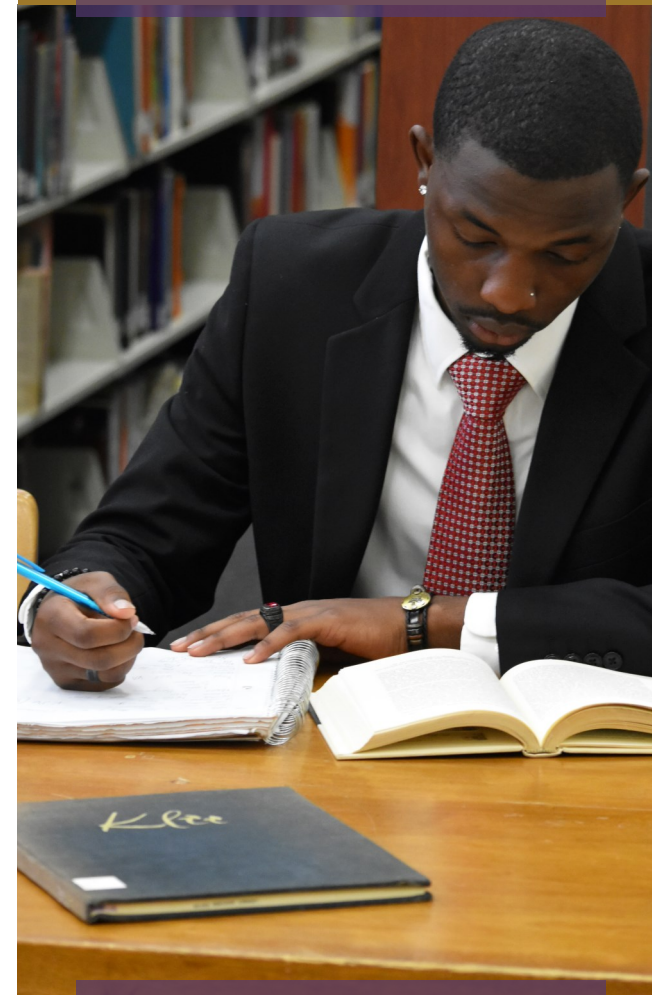
Job security, satisfaction, and salary always rate at or near the top when considering an enjoyable and "good" career, and mathematics forges a pathway to meeting these. The more mathematics courses you take in high school and college, the more money you're likely to earn over a lifetime. Regardless of your motivation, the best reason for you to pursue the mathematics major is because you enjoy mathematics.

## CAREERS IN MATHEMATICS-RELATED FIELDS

The Mathematics program offers courses and preparation for graduate school, as well as several careers and fields, such as:

- Actuary;
- Computer Science Programmer;
- Business Computer Systems Analyst;
- Accountant;

- Attorney;
- Physician;
- Technical Writer / Communicator;
- Statistics; and
- Engineering.



## TEACHER EDUCATION PROGRAM IN MATHEMATICS

Students who plan to teach mathematics must complete a Mathematics Emphasis Degree Plan (4-8 or 8-12).