

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

OFFICE OF ADMISSION

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

DIVISION OF NATURAL AND COMPUTATIONAL SCIENCES DEPARTMENT OF BIOLOGY

(903) 593-8311, ext. 2291



THE DIVISION OF NATURAL AND
COMPUTATIONAL SCIENCES

BIOLOGY





BIOLOGY AT TEXAS COLLEGE

The Department of Biology at Texas College offers diversified programs that enable students to select a curriculum that best suits their career goals. Biology covers an array of specialist subjects inclusive of anatomy, ecology, microbiology and zoology. The Biology degree provides for scientific skill developments and preparations that are transferrable to many industries. Further, the program provides the skills necessary to enter professional programs as well as professions in industry, agribusiness, food management, cosmetics, pharmaceuticals, and the retail industry. The curriculum provides a strong foundation in liberal arts and sciences needed for emerging careers in science and/or related fields.

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

- Provides students with a broad education in Biology;
- Provides a foundation of theory, knowledge, and skills for students who desire to pursue advanced study in Biology;

- Provides education and training for prospective teachers;
- Offers students opportunities to gain appreciation of the artistic nature and cultural beauty of biology; and
- Offers General Studies Courses for all students.

WHY STUDY BIOLOGY IN THE THIRD MILLENNIUM

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

CAREERS IN BIOLOGY-RELATED FIELDS

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

- Researcher
- Air Quality Specialist
- Environmental Specialist
- Fish and Wildlife Specialist
- Medical Illustrator
- Pharmaceutical Representative
- Teacher
- Water Quality Specialist
- Zoo and Aquarium Careers
- Hospital Medical Assistant

RESEARCH

The Biology Department is comprised of faculty that have published a multitude of research, and is currently involved in computational biology research, including molecular dynamics simulations of proteins with state of the art technology, providing students undergraduate research involvement opportunities.



JOINT ADMISSION MEDICAL PROGRAM

The Joint Admission Medical Program (JAMP) at Texas College provides:

- Support through undergraduate scholarships and summer stipends;
- Placement into JAMP Summer Internship experiences;
- Hands-on experience through clinical enrichment opportunities;
- Comprehensive, multi-phase MCAT preparation program;
- Personal and professional development through dedicated mentoring;
- Guaranteed admission to a participating Texas medical school if all criteria are met; and
- Scholarships to attend medical school.

PATHWAYS TO MEDICINE

Texas College has recently collaborated with the University of Texas at Tyler School of Medicine to create the Pathways to Medicine initiative. This early assurance program affords the opportunity for Texas college students to engage in high-caliber preparation for medical school, as well as preparation for the MCAT and the medical school admission process. Each year, after having completed the Pathway to Medicine program, at least one Texas College graduate is guaranteed admission to the UT Tyler School of Medicine.