

DIVISION OF NATURAL and COMPUTATIONAL SCIENCES

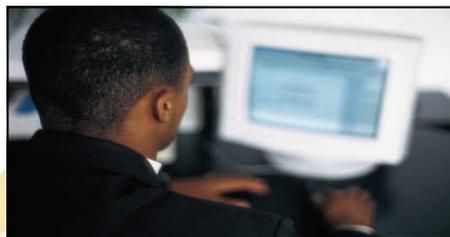
The Division of Natural and Computational Sciences is comprised of offerings in Computer Science, Mathematics, and Biology. The Division of Natural and Computational Sciences generally address students' preparation and understanding of scientific inquiry and knowledge as well as the traditional forms of theory associated with science, computer simulation, numerical analysis, and theoretical computer science. The majors offered in the Division familiarize students with the general practices of natural and computational sciences while also providing an understanding of various models and approaches that may be used in the respective fields of study.

All students aspiring to become candidates for a major in the Division of Natural and Computational Sciences must complete a maximum of 44 semester hours of general education courses and 15 hours of institutional requirements. The prerequisite courses and requirements are listed.



BIOLOGY

The Department of Biology 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 Genetics. The Biology degree provides for scientific skill developments and preparations that are transferrable to many industries. Further, 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.



COMPUTER SCIENCE

The Department of Computer Science provides opportunities for both theoretical and practical knowledge. Computer Science is a wide-ranging discipline that deals with the exploration, design and synthesis of computer systems and their applications. The major curriculum is intended to prepare students to enter the rapidly growing computer field and includes a sound preparation in science and mathematics. Students from any other discipline can also have a minor in Computer Science, if they meet the requirements.



MATHEMATICS

The Department of Mathematics 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 lead to the Bachelor of Science degree and/or preparation of the Educator Preparation program.

STEM

(Science, Technology, Engineering and Mathematics)

The STEM program was created to encourage minority students to successfully transfer into and graduate with bachelor's degrees in the sciences. The goal of the program is to assist students who are interested in pursuing a career in STEM related fields.

Why STEM?

The STEM fields need diverse perspectives to foster innovation, yet minorities are still underrepresented.

From Google, Apple and Microsoft to Amazon, Lockheed Martin and NASA, some of America's biggest organizations are recruiting STEM graduates.

STEM jobs earn higher salaries than non-STEM jobs.

Job openings in STEM fields are projected to grow at faster rates than other occupations.

Benefits of joining the STEM program

Opportunities to participate in professional conferences in STEM areas

Assistance with obtaining STEM internships

Leadership skills development

Professional networking opportunities

Personalized career mentoring



TEXAS COLLEGE Mission Statement and Core Values

Texas College is a historically black college founded in 1894, by a group of CME ministers. Our mission, which continues to embody the principles of the Christian Methodist Episcopal Church, is to *ensure that the student body experiences balanced intellectual, psychological, social and spiritual development, aimed at enabling them to become active productive members of society where they live and work.* (Recast and approved by the Board of Trustees at the Annual Meeting, April 15, 2011).

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, communications, 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.

DIVISION OF NATURAL and COMPUTATIONAL SCIENCES FACULTY

Dr. Bassey Akpan

*Division Chair of Natural and Computational Sciences
Associate Professor of Computer Science*

Dr. Rabin Dahal

Assistant Professor of Mathematics

Ms. Rosia Edwards

Assistant Professor of Mathematics

Dr. Mamta Gupta

Associate Professor of Biology

Dr. Alexei Iakhiaev

Associate Professor of Biology and Physics

Ms. Linda Johnson

Instructor of Biology

Dr. Bob Malek

Assistant Professor of Mathematics

Dr. Scott McCune

Assistant Professor of Computer Science

Dr. Christopher Sparrow

Assistant Professor of Chemistry

Dr. Alesha Harris

Assistant Professor of Chemistry



2404 North Grand Avenue | Tyler, Texas 75702

Toll Free 800.306.6299 | 903.593.8311

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admissions1@texascollge.edu

DIVISION OF NATURAL and COMPUTATIONAL SCIENCES Biology | Computer Science Mathematics



Come GROW with Us!!!

Texas College is an affiliate of the Christian Methodist Episcopal (CME) Church.