

Dean

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www.cose.txstate.edu (<http://www.cose.txstate.edu/>)

Associate Dean for Academic Affairs

Chad Booth, Ph.D.

Associate Dean for Research

Paula Williamson, Ph.D.

Associate Dean for Student Success

Douglas Morrish, Ph.D.

Assistant Dean for Outcomes and Assessment

Gregory B. Passty, Ph.D.

Department Chairs/School Directors

Agricultural Sciences—Madan M. Dey, Ph.D.
 Biology—Peggy Biga, Ph.D.
 Chemistry and Biochemistry—Soumitra Basu, Ph.D.
 Computer Science—Hongchi Shi, Ph.D.
 Ingram School of Engineering—Jesus Jimenez, Ph.D.
 Engineering Technology—James Wilde, Ph.D.
 Mathematics—Susan Morey, Ph.D.
 Physics—Edwin Piner, Ph.D.

The College of Science and Engineering has a threefold mission:

To teach core concepts and promote literacy in science and mathematics for a diverse student body, while providing students with advanced knowledge and skills for careers in science, technology, engineering, mathematics, and related fields including education.

To support high-quality teaching and internationally recognized research programs in an inclusive, equitable, and accessible environment for students, staff, and faculty.

To serve the citizens of Texas and the nation with educational and research programs that embrace opportunities for innovation in solving regional and global challenges.

To ensure an understanding of basic scientific and engineering concepts, the college offers extensive opportunities for student participation. Students gain experience in laboratories, interact with the environment through field studies, conduct undergraduate research, participate in design experiences and train using technologically advanced instrumentation. A combination of student participation, rigorous classroom instruction, and hands on experiences gives majors a competitive advantage in career advancement or in the selection of professional or graduate programs. The non-science major is assured of adequate scientific knowledge to make informed decisions essential to citizens in a science-oriented, technological world.

The seven academic units in the College of Science and Engineering are the Departments of Agricultural Sciences, Biology, Chemistry and Biochemistry, Computer Science, Engineering Technology, Mathematics, Physics, and the Ingram School of Engineering.

Majors offered in the College include agriculture, agriculture business and management, animal science, applied mathematics, aquatic biology, biochemistry, biology, chemistry, civil engineering, computer science, concrete industry management, construction science and management,

electrical engineering, engineering technology, industrial engineering, manufacturing engineering, mathematics, mechanical engineering, microbiology and molecular genetics, physics, and wildlife biology. In addition, pre-professional minors are available for students interested in applying to physician assistant, dentistry, medicine, veterinarian, or pharmacy programs. Students may not declare more than one pre-professional minor from the list above. Four programs offer a double major with education for students who wish to teach in a secondary education program.

Academic Advising Center

Centennial Hall Room 202
 T: 512-245-1315 F: 512-245-9210
www.cose.txstate.edu/advising (<http://www.cose.txstate.edu/advising/>)

The mission of the College of Science and Engineering Undergraduate Advising Center is to provide accurate and timely academic services to our current and incoming students majoring in degree plans overseen by the College of Science and Engineering. Services include, but are not limited to, the following:

- assistance with the selection of a program of study
- information about course sequencing and degree requirements
- verification of graduation requirements
- interpretation of policies and procedures
- assistance with understanding how academic statuses may affect a student
- referral to other university resources.

Teacher Certification

Currently, there are four programs that offer a double major with education leading to the Texas science- and math- related teacher certification.

- Chemistry (double major with B.S. in Chemistry and Education)
- Life Sciences (double major with B.S. in Biology and Education)
- Mathematics (double major with B.S. in Mathematics and Education)
- Physics/Mathematics (double major with B.S. in Physics and Education)

Students interested in a double major with education are strongly encouraged to see a Science and Engineering Advisor early in their undergraduate program.

Minors

- Minor in Pre-Dental Studies (<http://mycatalog.txstate.edu/undergraduate/science-engineering/pre-dental-minor/>)
- Minor in Pre-Medical Studies (<http://mycatalog.txstate.edu/undergraduate/science-engineering/pre-medical-minor/>)
- Minor in Pre-Pharmacy Studies (<http://mycatalog.txstate.edu/undergraduate/science-engineering/pre-pharmacy-minor/>)
- Minor in Pre-Physician Assistant Studies (<http://mycatalog.txstate.edu/undergraduate/science-engineering/pre-physicsst-minor/>)
- Minor in Pre-Veterinarian Studies (<http://mycatalog.txstate.edu/undergraduate/science-engineering/pre-veterinarian-minor/>)

- Second Teaching Field in Physical Science (Grades 6-12) (<http://mycatalog.txstate.edu/undergraduate/science-engineering/second-teaching-field-physical-science/>)