

# COLLEGE OF SCIENCE AND ENGINEERING TECHNOLOGY

## Administrative Officers

Dean	John Pascarella, Ph.D. jbp014@shsu.edu; (936) 294-1401
Associate Dean	Anne R. Gaillard, Ph.D. bio_arg@shsu.edu; (936) 294-1326
Associate Dean	Marcus Gillespie, Ph.D. geo_bmg@shsu.edu; (936) 294-1945
Department of Agricultural Sciences and Engineering Technology	Stanley Kelley, Ph.D., Chair sfkelley@shsu.edu; (936) 294-2220
Department of Biological Sciences	Chad Hargrave, Ph.D., Chair CWH005@shsu.edu; (936) 294-1538
Department of Chemistry	Richard E. Norman, Ph.D., Chair norman@shsu.edu; (936) 294-1527
Department of Computer Science	Peter A. Cooper, Ph.D., Chair cooper@shsu.edu; (936) 294-1569
Department of Geography and Geology	Brian Cooper, Ph.D., Chair bio_bjc@shsu.edu; (936) 294-3274
Department of Mathematics and Statistics	Brian Loft, Ph.D., Chair mth_bml@shsu.edu; (936) 294-4465
Department of Physics	Barry Friedman, Ph.D., Chair phy_baf@shsu.edu; (936)294-1604

The College of Science and Engineering Technology at Sam Houston State University welcomes you! Why consider pursuing a degree from this College? Here are just a few reasons:

- You can choose from a wide variety of programs (26 undergraduate and 11 graduate degrees) in the fields of agriculture, engineering technology, biology, biomedical sciences, chemistry, forensic chemistry, computer science, general studies, geography, geology, mathematics, statistics, and physics.
- Our programs will prepare you for careers in exciting and rapidly evolving fields that advance society.
- You will learn from professors who love to teach and draw from their personal and professional experience as practitioners in their areas of expertise.

We invite you to take a closer look at the programs that spark your interest. All will connect you with the innovative thinking, mentoring, leadership, and academic challenges that are hallmarks of an SHSU education.

## Mission

The College of Science and Engineering Technology is committed to equipping students with the academic foundation necessary for them to be critical problem solvers in a rapidly changing world and to the generation of scientific knowledge through scholarly endeavors.

## Vision

The College of Science and Engineering Technology aspires to be a gateway of opportunity and a catalyst for personal and professional development. Embracing high standards, ethical practices and personalized student-faculty interaction, the College dedicates itself to excellence in teaching, engagement in quality research, and active community service. The College of Science and Engineering Technology will pursue its vision by:

- preparing students for continued intellectual growth throughout productive and personally rewarding careers;
- fostering the development and dissemination of knowledge through scientific inquiry;
- promoting continual professional growth and scholarly activity;
- exemplifying high ethical standards and teaching the importance of ethics in professional practice;
- increasing scientific literacy in the populace, and instilling a high regard for nature and humankind;
- understanding and respecting diversity among people, cultures, and ideas; and
- assuming the responsibilities of academic community engagement and membership in a global society.

## Academic Programs

The College of Science and Engineering Technology provides a broad range of Undergraduate Programs, as well as Graduate Programs. The College of Science and Engineering Technology is comprised of 7 academic units:

- Agricultural Sciences and Engineering Technology
- Biological Sciences
- Chemistry
- Computer Science
- Geography and Geology
- Mathematics and Statistics
- Physics

### College of Science and Engineering Technology Undergraduate Degrees

Major	Degree(s)
Agriculture	B.S.
Agricultural Business	B.S.
Agricultural Engineering Technology	B.S.
Animal Science	B.S.
Plant and Soil Sciences	B.S.
Biology	B.A., B.S.
Biomedical Sciences	B.S.
Chemistry (Professional Chemist)	B.S.
Chemistry (Other Technical Careers)	B.S.
Forensic Chemistry	B.S.
Chemistry (Chemical Engineering)	B.S.
Computer Science	B.S.
Computing Science (Information Science)	B.S.
Computing Science (Information Assurance)	B.S.
General Studies	B.G.S.
Geography	B.S.
Geology	B.S.
Industrial Technology	B.S.
Construction Management	B.S.
Design and Development	B.S.
Mathematics	B.A., B.S.
Mathematics with Teacher Certification	B.S.
Mathematics with Secondary Certification (2 fields)	B.A.
Physics	B.S.
Physics/Engineering (Dual Degree)	B.S.

**Note:** This listing of undergraduate degree programs is correct as of February, 2016 and does not include those degree programs being phased out or in the process of being proposed.

## Highlights

- Faculty members in the College of Science and Engineering Technology have been recognized nationally and internationally for their expertise through national grants and awards, publications, and presentations.
- Undergraduate research is encouraged through partnerships with faculty members.
- Students in the College of Science and Engineering Technology have presented and published nationally and internationally.
- The Math Center at the Academic Success Center provides free tutoring in mathematics and statistics courses.
- The College of Science and Engineering Technology houses the Sam Houston State University Center of Excellence in Digital Forensics and the Daniel Reeves Center for Mathematics Education.
- Departments in the College of Science and Engineering Technology annually host state and regional conferences and symposiums.