



**EXTRAORDINARY
EVERY DAY.**

Science plays an important role in our daily lives, albeit one that we often take for granted.

In the College of Science, our challenge is to understand the extraordinary in the everyday, then use that knowledge to go beyond the norm and improve our quality of life, one day and one discovery at a time.

COLLEGE OF SCIENCE
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As the scientific core of Texas A&M University, the College of Science provides the highest quality of science education, scholarly research, and technical expertise to the people and industries of Texas and the United States.

OUR OBJECTIVES

- **Top 10:** Help Texas A&M succeed in its mission to become one of the nation's top 10 public institutions by the year 2020
- **Education:** Provide unique learning experiences and fundamental science education to students across A&M
- **Research:** Conduct basic and interdisciplinary research and produce the next generation of scientists and responsible leaders of our professions
- **Service:** Provide scientific service to our state, nation, and professions

TARGET: TOP 10 UNIVERSITY

PHENOMENAL FACULTY

The college boasts two of A&M's three Nobel laureates, four National Academy of Sciences members, five American Academy of Arts and Sciences Fellows, half of A&M's distinguished professors, and all but one of its Searle Scholars. Many of our faculty also are CAREER, NYI, and Sloan awardees. The college also experienced one of the largest percent gains university-wide under the 2003-08 faculty reinvestment program.

SUCCESSFUL STUDENTS

Our students are equally successful. For instance, Biology historically has placed more of its majors in medical and dental schools than any other A&M department. Chemistry has awarded more doctorates in the past 10 years¹ than any other A&M department and graduates the third-largest number of Ph.D.s among the U.S.'s 230 chemistry Ph.D. grantors.²

DEPARTMENTS

BIOLOGY

- Accounts for two-thirds of the College of Science's undergraduates
- Faculty include all but one of the university's Searle Scholars (4)

CHEMISTRY

- Ranks 8th among public graduate programs and T-19th overall (inorganic 6th overall) in the most recent U.S. News & World Report (2010)
- Ranks seventh-largest in research and development expenditures among all chemistry departments nationwide

MATHEMATICS

- 13th nationally for public university departments in research funding
- Ranks 21st overall and 14th among public graduate programs in the most recent National Research Council rankings (T-40th overall, 22nd public in U.S. News & World Report)

PHYSICS AND ASTRONOMY

- Home to the internationally recognized Mitchell Institute for Fundamental Physics and Astronomy, which attracts top physicists to A&M
- One of 10 partners in the \$700 million Giant Magellan Telescope (GMT), which will produce images 10 times sharper than those of the Hubble and serve as a cornerstone of A&M's astronomy program

STATISTICS

- Ranks 10th overall in the most recent National Research Council rankings
- Ranks T-12th overall and 3rd among public graduate programs in statistics and biostatistics (U.S. News & World Report) and third nationally in editorial board memberships (AMSTAT News)

VISIONARY SUPPORT

Former students, A&M friends, and corporate partners continue to make a significant impact on the college through their enthusiastic financial support. The college fared well in the recently completed *Operation Spirit and Mind* capital campaign, which raised just over \$308 million – funds that will be used to create hundreds of endowed scholarships, graduate fellowships, and study-abroad opportunities.

TARGET: EDUCATION

CLASS SERVICE

The college is dedicated to education and knowledge-generation. Each semester, we provide the required mathematics, statistics, and science foundations for all Texas A&M majors, teaching 20 percent of the university's total semester credit hours¹. Each department has leaders in the promotion of innovative educational approaches and use of information technology to enhance the overall learning experience.

NON-TRADITIONAL TRAINING

As a rule, educational experiences in the college are anything but ordinary. In addition to traditional training in fundamental sciences, our undergraduates are exposed to challenging research opportunities that enhance the academic experience and provide beneficial practical skills to better prepare them for advanced studies or careers in science.

GOING THE DISTANCE

At a time when students are clamoring for high-quality, readily accessible educational opportunities, the college offers one of the nation's only online master's degrees in mathematics and the second-largest master's degree in statistics online program in the country.

TARGET: RESEARCH

BY THE NUMBERS

In Calendar Year 2010, the college's total funding amounted to \$65.7 million³, a figure that helps the university rank among the National Science Foun-

ation's Top 20 Academic Research Performers in the U.S. with \$630.7 million in total annual research expenditures university-wide⁴.

COLLABORATION BY DESIGN

Because the search for answers requires an increasingly interdisciplinary approach, the college is forging collaborations that break traditional barriers, combine uncommon skills, and produce unparalleled results. Examples of our success span diverse, groundbreaking areas: e.g. bioinformatics, biological clocks, neuroscience, inorganic chemistry, quantum optics, structural biology, nanotechnology and theoretical physics.

LAB PRACTICALS

Even as undergraduates, our students are encouraged to log significant time as juniors or seniors in labs that were once the sole domain of graduate students. Many are mentored by faculty researchers, often in paid positions.

TARGET: SERVICE

TEACHING TEXAS

As one of the state's most prominent scientific educational resources, the college is a leading proponent of its public education reform. We are actively involved in reversing the current science and math teacher shortage, helping A&M lead the state in math and science teacher production (State Board for Educator Certification) the last six years.

UNPARALLELED OUTREACH

The college offers a wide variety of educational outreach activities to encourage middle and high school students to pursue science and technical careers. Each year, more than 2,000 participants visit the Texas A&M campus for events designed to educate and inspire.

LEADERS IN DIVERSITY

The college is distinctly focused on diversity and, in particular, women's and minority issues. A national leader in minority and female Ph.D. production, the college annually hosts several conferences and awards scholarships specifically tailored for women and minorities.

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¹ 2005. "Office of Institutional Studies and Planning Reports," Fall 2005, Texas A&M University.

² 2003. "Directory of Graduate Research," American Chemical Society.

³ 2010. "College of Science Annual Report," Office of the Dean, College of Science, Texas A&M University.

⁴ 2009. Office of the Vice President for Research, Texas A&M University.