

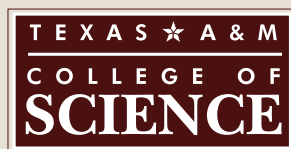


**EDUCATIONAL
EXCELLENCE.**

**GROUNDBREAKING
DISCOVERY.**

**UNPARALLELED
OPPORTUNITY.**

The College of Science is home to five departments and many interdisciplinary research units that provide technical and educational expertise to the world and broaden our understanding of the universe.



<http://www.science.tamu.edu>

3257 TAMU
College Station, Texas 77843-3257
PH: 979-845-7361
FX: 979-845-6077

Departments of Distinction

An Overview of Departments in the College of Science

NUMBERS AND NOTABLES

BIOLOGY

- Accounts for two-thirds of the College's undergraduate students
- Faculty include all but one of A&M's Searle Scholars (4) and one of its five female distinguished professors

CHEMISTRY

- Ranks 15th nationally in the most recent National Research Council rankings, the highest rating of any Texas A&M department
- Seventh-largest in research and development expenditures among all chemistry departments nationwide

MATHEMATICS

- 13th nationally among public university departments in research funding
- One of five nationwide that has had both Vertical Integration of Research and Education in the Mathematical Sciences (VIGRE) and Research Experiences for Undergraduates (REU) National Science Foundation grants.

PHYSICS

- Internationally recognized Mitchell Institute for Fundamental Physics and Astronomy annually attracts eminent experts to Texas A&M
- One of nine partners in the \$550 million Giant Magellan Telescope, which will produce images 10 times sharper than those of the Hubble

STATISTICS

- Ranked 10th in mathematical statistics (*U.S. News & World Report*)
- Third nationally in editorial board memberships (*AMSTAT News*)
- Among top 15 worldwide for total research output (*Canadian Journal of Statistics*)

BIOLOGY

www.bio.tamu.edu

The Department of Biology seeks to understand life at its most basic levels and convey that knowledge to prepare the next generation of scientists, physicians, and citizens. We provide fundamental lecture and laboratory courses that introduce biological principles to students across the University. We prepare students for advanced biological study and careers and also play an essential role in enhancing an understanding of the central role of biological systems in the global environment. In addition, our faculty provide external expertise and service on scientific advisory and editorial boards worldwide.

BIOLOGY FACTS¹

Tenure-Track Faculty: 46
Non-Tenure-Track Faculty: 9
Distinguished Professors: 2
Graduate Students: 105
Undergraduate Students: 1,568
Degrees Awarded: 329 (9 Ph.D., 9 master's, 311 undergraduate)
Research Funding: \$5.0 million

CHEMISTRY

www.chem.tamu.edu

The Department of Chemistry, one of the largest in the nation, is also one of its most prestigious. Our faculty is ranked among the top 10 percent in quality by the National Research Council, and their research expertise is enhanced by a comprehensive array of state-of-the-art instrumentation and facilities. We offer flexible undergraduate degree programs that emphasize laboratory practice and research participation, as well as one of the larger Ph.D. programs in the nation (more than 400 Ph.D.s awarded in the past 10 years) with opportunities for professional development. Our goal is to educate junior scholars to become scientists who can be leaders in chemistry.

CHEMISTRY FACTS¹

Tenure-Track Faculty: 47
Non-Tenure-Track Faculty: 22
Distinguished Professors: 5
Graduate Students: 261
Undergraduate Students: 270
Degrees Awarded: 100 (29 Ph.D., 9 master's, 62 undergraduate)
Research Funding: \$13.9 million

MATHEMATICS

www.math.tamu.edu

At the time Texas A&M was founded in 1876 as the oldest public institution of higher learning in Texas, two of its original six professors were mathematicians. Today the Department of Mathematics continues to perform an equally critical function, maintaining one of the University's highest teaching loads while also executing one of the nation's most impressive and diverse research agendas. We offer three undergraduate degrees with a variety of options as well as traditional and specialized tracks for advanced graduate study. As proven leaders in K-12 educational outreach, technology-mediated instruction, and distance education, we currently offer one of the nation's only 100 percent online master's degrees in mathematics.

MATHEMATICS FACTS¹

Tenure-Track Faculty: 85
Non-Tenure-Track Faculty: 67
Distinguished Professors: 5
Graduate Students: 138
Undergraduate Students: 285
Degrees Awarded: 88 (10 Ph.D., 22 master's, 56 undergraduate)
Research Funding: \$5.9 million

PHYSICS

www.physics.tamu.edu

The Department of Physics offers firm foundations and flexible degree plans as we open young minds to the frontiers of scientific knowledge in areas such as atomic, condensed matter, high energy, nuclear, and applied physics. Our award-winning faculty includes one Nobel laureate, three National Academy of Sciences members, and six distinguished professors as well as many internationally decorated scholars and researchers. While graduate students are much of the impetus behind our outstanding research, most of our undergraduates also participate in research projects.

PHYSICS FACTS¹

Tenure-Track Faculty: 64
Non-Tenure-Track Faculty: 11
Distinguished Professors: 4
Graduate Students: 150
Undergraduate Students: 134
Degrees Awarded: 39 (17 Ph.D., 6 master's, 16 undergraduate)
Research Funding: \$10.2 million

STATISTICS

stat.tamu.edu

The Department of Statistics seeks to produce statistical methods that benefit all professions while providing first-rate instruction to prepare students for careers in industry, government, and academia. We offer master's and doctoral degrees and, together with the Department of Mathematics, jointly sponsor an undergraduate degree in applied mathematical sciences. Our research programs feature international leaders in a variety of areas, from bioinformatics to statistical modeling. We also

CONTACTS AT A GLANCE

BIOLOGY

Dr. U.J. McMahan, Head
(979) 845-7747
granster@tamu.edu

CHEMISTRY

Dr. David H. Russell, Head
(979) 845-2011
russell@mail.chem.tamu.edu

MATHEMATICS

Dr. Albert Boggess, Head
(979) 845-9424
boggess@math.tamu.edu

PHYSICS

Dr. Edward S. Fry, Head
(979) 845-7717
fry@physics.tamu.edu

STATISTICS

Dr. Simon J. Sheather, Head
(979) 845-3141
sheather@stat.tamu.edu

boast many of Texas A&M's top experts in distance education and are pioneers in technology-mediated instruction.

STATISTICS FACTS¹

Tenure-Track Faculty: 37
Non-Tenure-Track Faculty: 10
Distinguished Professors: 2
Graduate Students: 136
Degrees Awarded: 31 (4 Ph.D., 27 master's)
Research Funding: \$7.3 million

ABOUT THE COLLEGE

The College of Science at Texas A&M University takes great pride in providing the highest quality science education, scholarly research, and technical expertise to the people and industries of Texas and the nation. Through five departments and many interdisciplinary centers and institutes, we advance discovery and solve real-world problems while producing the next generation of scientific leaders and technologies and playing a key role in helping Texas A&M succeed in its mission to become one of the nation's top 10 public institutions by the year 2020.

QUICK FACTS

- Five departments (Biology, Chemistry, Mathematics, Physics, Statistics)
- 29 degree programs—12 bachelor's, 8 master's, 9 doctorates
- 2,258 undergraduate majors
- 279 tenured/tenure-track faculty (14% of total)
- \$42.4 million/year in research
- ~50% of A&M distinguished professors
- U.S. leader in minority & female Ph.D.s
- Teach 20% of total A&M semester credit hours

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¹ 2008. "College of Science Annual Report," Office of the Dean, College of Science, Texas A&M University.