



Degree Information

The Department of Biochemistry and Biophysics is a key component of the molecular life sciences at Texas A&M University, one of the largest research universities in the country. Our programs have grown in concert with the spectacular expansion of biological inquiry into the chemical basis of life.

Admission

Our graduate students come from many different undergraduate majors, including biology, molecular biology, biochemistry, and chemistry. We recommend that applicants have studied the following subjects: Calculus, Organic Chemistry, Biochemistry, Molecular Genetics, and Physical Chemistry.

To apply, visit <http://biochemistry.tamu.edu>.

1. Click on Graduate Programs
2. Go to Apply Texas to complete the University application
3. Complete application and send:
 - Official transcripts
 - 3 letters of recommendation
 - Official GRE scores
 - Official TOEFL scores (for international applicants)

Graduate Training

Students in Biochemistry spend the first year in courses designed to provide a solid background in fundamental principles of biochemistry and biophysics. Coursework includes structural biochemistry, thermodynamics, enzyme kinetics, biochemical genetics, and molecular biophysics. During the same year, students have the opportunity to rotate through four laboratories.



**AGRICULTURE
& LIFE SCIENCES**
TEXAS A&M UNIVERSITY

**Graduate
Studies in**

Biochemistry

PhD

**Department of
Biochemistry and
Biophysics**

Students explore the diverse research areas in the department and choose a laboratory for thesis work at the end of the first year. The second year of training includes a teaching assistantship and development of thesis research. Subsequent years are spent in mentored research. Guidance is provided through a principal advisor as well as a mentoring committee of faculty that evaluate progress toward the PhD.

Training Environment

The department has a first rate training environment with more than 40 faculty, 100 graduate students and numerous postdocs, research staff, and undergraduates. Students have access to laboratory equipment throughout the department, including many shared facilities and instruments to facilitate research endeavors. Computer support is extensive, with a departmental IT staff as well and university wide access to internet resources and library materials.

Faculty Research Areas

Chemical Biology, Structural Biology, Cell and Developmental Biology, RNA Biology, Gene Structure and Regulation, Enzymology, Plant Molecular Biology, Genomics, Microbiology, Biotechnology, Proteomics, and Bioinformatics.

Financial Support

At Texas A&M University, our graduate students are a vital component of research, teaching, and publication. We offer financial support in the form of a stipend for living expenses, paid tuition and fees, and health benefits. The financial support provided enables students to engage full time in research and scholarly activities.

Graduate Students



The graduate class entering in 2010 (shown above) is a diverse group of young scientists.

Extensive Facilities

The Department maintains modern, state-of-the-art research facilities. The Biochemistry Building, a 166,000 square foot structure with over 90,000 square feet of laboratory and office space, was opened in 1989. The first floor is the location of the new NMR center, as well as departmental offices, lecture halls, a microcomputer center, the Biochemistry stockroom, The second floor houses our new x-ray crystallography and molecular graphics facilities, as well as modern teaching labs and prep rooms. The third and fourth floors contain 48 research laboratory modules occupied by the different research groups, as well as specialty rooms for animal and plant tissue culture and biohazard isolation, the Center for Protein Chemistry, and meeting rooms. Large equipment (centrifuges, environmental chambers and ultracold freezers) is clustered in common equipment hallways, and we are proud of our long tradition that all of the large equipment in the Department is available for the common use of our entire research community.

Contact Information

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