

About Our Program

The TAMIU Department of Biology and Chemistry offers the Masters of Science degree in Biology with a thesis and non-thesis option. Our location provides unique opportunities for a variety of research. With the opening of the new Lamar Bruni Vergara Science Center in Spring 2005, the latest in scientific technology provides you an opportunity to prepare yourself for science careers in the new millennium.

The educational objectives of the MS degree in Biology are:

- to prepare you for a Doctoral Program in Biological Sciences
- to prepare you for teaching Biology in community colleges and institutions of higher education
- to enrich your background for teaching Biology in high and middle school
- to prepare you for jobs related to Biology in industry, education, or government

Why Should You Come Here?

The sciences at TAMIU offer unique opportunities for field/ecological studies due to our proximity to México and our location in the Tamaulipan Biotic Province. Current research involves field and laboratory-based investigations in invertebrate and vertebrate ecology, taxonomy and behavior. Water and other environmental issues are also being examined.

The department is one of the fastest growing in the University. Class sizes are generally under 20 in upper division classes. You can expect personalized attention and assistance as your interest is pursued. Research is emphasized, giving faculty good insight into the scope of scientific problems that students pursue.

Our classroom and facilities incorporate the latest trends in the evolving Internet and information exchange. On-campus housing facilities are also wired for high-speed free Internet. Eighteen computer labs help assure that you will work in an environment where the student-to-computer ratio is 10 to 1.

Another essential element in your graduate study at TAMIU is the Sue and Radcliffe Killam Library, the cornerstone of our on-campus support centers.

The Library houses more than 196,000 bound volumes and provides access to 1,492 print periodical subscriptions and over 8,000 electronic journals in full text or full image. Over 765,000 microform units and over 70,000 state and federal documents are available to library users.



MASTER OF SCIENCE IN BIOLOGY

About Our Faculty

All graduate courses are taught by departmental faculty with terminal degrees. There is a good mix of senior faculty with years of local research experience and junior faculty with knowledge of the latest research methods and techniques. There is strong research interaction among the faculty, providing opportunities for interdisciplinary study. Current research includes: genomic studies of common food contaminating bacteria, behavioral ecology of scorpions, taxonomy of spiders, weather and drought patterns and water use of introduced species. New research programs are beginning in botany, cell biology and microbiology.

Biology

Careers

The need for well-trained biologists is increasing at record pace. Jobs are currently available in both the private and governmental sectors ranging from animal control to zoo workers. You can expect many increased opportunities locally in science education and nationally within the private sector, higher education and government. Although graduate education implies a certain degree of specialization, our interactive department will afford you the opportunity to be broadly trained in the biological sciences. This broad training will open many doors for further graduate education and employment.

How Do I Apply?

- Complete and submit University graduate application and submit undergraduate transcripts to the Office of Graduate Studies and Research.
- A bachelor's degree from an accredited college or university is required.
- All applications can be downloaded from www.tamtu.edu/gradschool/admissions or visit www.applytexas.org
- Have official GRE test scores sent directly from ETS.
- Write a student narrative describing particular academic and career goals and objectives. Narratives must contain a minimum of 300 words.
- International students must also submit adequate TOEFL scores and financial documentation.
- Review additional program requirements in the graduate application.



Spring application deadline is Nov. 30 (domestic); Fall and Summer application deadline is April 30 (domestic); the Spring application deadline for International students is Oct. 1.

For more detailed information including program costs and courses, please visit or call:

Website: www.tamtu.edu/coas/depts/biochem

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