



What is Toxicology?

According to the **Society of Toxicology (SOT)**, "Toxicology is the study of the adverse effects of **chemical, physical, or biological** agents on living organisms and the ecosystem, including the **prevention and amelioration** of such adverse effects. Toxicology involves the integration of information from many different areas of expertise."

The fields of toxicology, environmental health, and regulatory science are increasing relying on new tools to better **detect** and **characterize** health hazards. Therefore, we **equip our trainees with research and critical thinking skills to protect** public health and the environment.

Apply Today

Graduate students begin studies in the Fall semester. Applications are accepted between **September and February** of the academic year preceding the anticipated start time in the program. Applicants are encouraged to apply and complete their applications by **December 1st**. Completed applications from US citizens and resident aliens submitted **before January 15th** will be considered for **institutional fellowships (doctoral only)** and invitations to the **Texas A&M University Life Sciences Recruiting Symposium** held in late January/early February. The final date to apply and submit the required documents is **March 1st**. Scan the QR code below to apply and for more information.



► For More Information

Interdisciplinary Faculty of Toxicology | TAMU
660 Raymond Stotzer Parkway, Suite 317
College Station, TX 77843
Email: tox@tamu.edu | Phone: 979-845-5529
<https://toxicology.tamu.edu/>



TEXAS A&M UNIVERSITY
Graduate and
Professional Studies



INTERDISCIPLINARY FACULTY OF TOXICOLOGY

**TRANSFORMING EDUCATION
PROTECTING HUMAN HEALTH AND
THE ENVIRONMENT THROUGH
REGULATORY SCIENCE**

[TOXICOLOGY.TAMU.EDU](https://toxicology.tamu.edu)

About our Program

The **Interdisciplinary Faculty of Toxicology** is a graduate (MS and PhD) training program with faculty from Texas A&M University's **16 departments in 7 colleges, and 3 associated laboratories**. It has more than **30 years of history** of training Master's and Doctoral candidates and awarded degrees to over **260 students since 1989**. Each year, the program typically enrolls 5-6 new trainees into a PhD track and 1-2 into an MS track.

The **breadth of disciplines** accessible to our trainees has always been a strength of the program. Our goal is to **prepare trainees** to function as independent researchers and/or practitioners **in a multidisciplinary setting**. We provide training in mechanistic research and regulatory science with a focus on scientifically sound, risk-based regulatory evaluations of the effects of drugs and other chemicals on human health and the environment. **To achieve this goal**, didactic and research opportunities are offered in the laboratories of outstanding investigators **who specialize in:**

- Mechanistic Toxicology
- Data Science & Modeling
- Epidemiology
- Community Engagement
- Environmental Chemistry
- Biomedical Engineering



Why our Program?

Our training program combines the **elements of biology and chemistry** with many other disciplines to understand the effects of chemicals on living organisms and make decisions about their safe use in medicine and other areas.

Texas A&M University-trained Toxicologists...

- **Develop** new and better ways to determine the potential harmful effects of biological, chemical, or physical agents.
- **Design** and carry out carefully controlled studies of specific environmental exposures of social and economic importance.
- **Assess** the probability or likelihood, that particular chemicals, processes, or exposure scenarios may present an unreasonable risk to human health and/or the environment.
- **Make an impact** through career-ready preparation for multiple employment sectors in Toxicology.

NEHS Funded Training Program

NIEHS Funded Training Program is a dedicated T32 program in "Regulatory Science in Environmental Health and Toxicology." A distinctive feature of the program is a hands-on summer externship through a broad and diverse network of state/federal government regulatory agencies.

Training Options

Master's students complete core coursework, attend seminars and the annual regulatory science symposium, and perform laboratory research with the goal of writing and defending a thesis. Most MS-track trainees complete their studies in 2 years.

Doctoral students complete core coursework, attend seminars and the annual regulatory science symposium. In the first year, they typically will conduct rotations through several laboratories to identify a research project and a mentor. PhD trainees are offered the opportunity to conduct an externship at the end of their 1st year with one of our many partners in Federal, State agencies, industry partners, and consulting firms. They will ultimately write and defend their doctoral dissertation. Most PhD-track trainees complete their studies in 4.3 years.

Post-Doctoral fellows, in addition to conducting research, will audit courses, and attend seminars and the annual regulatory science symposium. They work towards acquiring additional skills to become an independent investigator or to secure a professional position.

