The Texas A&M College of Veterinary Medicine & Biomedical Sciences (CVM) offers **doctoral degrees** in Biomedical Sciences and **master of science degrees** in Biomedical Sciences, Veterinary Epidemiology & Public Health, and Science & Technology Journalism. Students pursuing a master's degree in Biomedical Sciences, Veterinary Epidemiology & Public Health, or Science & Technology Journalism may choose either a thesis or a non-thesis track.

The CVM's largest graduate program is Biomedical Sciences (BIMS). Students can earn BIMS master's or doctoral degrees through the CVM. Students interested in the BIMS graduate program may contact a student advisor by calling 979.845.5092.

The Department of Veterinary Integrative Biosciences (VIBS) offers two master's degrees:

- **Veterinary Epidemiology & Public Health**
- **Science & Technology Journalism**: prepares students for careers as writers and editors specializing in science, technology, or medicine. Students take courses both in science communication and in various science disciplines.

Students interested in either of these graduate programs may contact a student advisor by calling 979.845.5092.

There are also interdisciplinary programs with close ties to the CVM, such as Genetics, Neuroscience, and Toxicology, through which students may pursue a master's or doctoral degree.

**ADMISSIONS REQUIREMENTS**

For consideration of admission to a graduate degree program in the CVM, prospective students must have a minimum of a baccalaureate degree (or its equivalent) awarded from an accredited institute of higher education prior to beginning the first semester of coursework for the degree program. The typical competitive candidate will also have a minimum 3.00 GPA in all levels of previous postgraduate study, a GRE total score of 300 or higher, and show success in previous natural sciences and related coursework and research experience. Scholarships and fellowships are available for competitive candidates.

More information about the admissions process, scholarships, and fellowships, can be found here: [vetmed.tamu.edu/graduate](http://vetmed.tamu.edu/graduate)
CURRICULAR TRAINING TRACKS

Diagnostics & Therapeutics: Faculty members in this group are engaged in research that involves the study of spontaneous disease in client-owned animals, research in experimental animals that can be directly applied to patients with spontaneous disease, the development of novel diagnostic tests, and the development of new therapeutic strategies. Areas of research include clinical trials in neurology, oncology, cardiology, orthopedics/stem cells, and internal medicine, as well as diagnostics and therapeutics for gastrointestinal, orthopedic/regenerative medicine, and reproductive disorders.

Genomics & Bioinformatics: Faculty members in this group are engaged in understanding the structure and function of genomes and the evolutionary relationships between genes and proteins. In order to understand these relationships, genomics investigators utilize computer science, mathematics, statistics, and engineering principles to interpret genomic data. Areas of research include comparative, functional, conservation, population, and computational genomics, phylogenomics, genome evolution, immunogenomics, and epigenomics.

Infection, Immunity & Epidemiology: Faculty members in this group are actively engaged in research that integrates a multidisciplinary approach to epidemiology related to infection and immunity. This involves studying the frequency, distribution, and control of diseases in addition to mechanistic studies of microorganisms and disease, host-pathogen interactions, the immune system, and immunological disorders. Areas of research include infectious and zoonotic diseases, surveillance of emerging and re-emerging infectious diseases, diagnostics development, comparative, public health, food safety, biodefense, the ecology and molecular epidemiology of antimicrobial resistance, and the developmental and clinical aspects of immunology, bacteriology, virology, parasitology, and pathobiology.

Physiology & Developmental Biology: Faculty members in this group study the functions of body systems and how specific genes govern differentiation of cells, tissues, and organs with unique structure and functions. Both disciplines require a firm foundation of mathematics, chemistry, physics, biophysics, and both molecular and cellular biology. Areas of research include toxicology, neuroscience, reproductive biology, cardiovascular sciences, regenerative medicine, pharmacology, developmental biology, epigenetics, and cell biology.

PROFESSIONAL DEVELOPMENT OPPORTUNITIES

The CVM offers a variety of professional development opportunities for its graduate students. These include workshops, such as scientific writing, grant writing, public speaking, team-work, communication, and conflict management. Additionally, we offer a number of experiential training programs that allow students to gain specific skills through hands-on training in well-known laboratories and in high-caliber training courses. The CVM also exposes its trainees to a variety of different career paths through seminars and career panels with former graduates of the college.