



INSTITUTE FOR
INFECTIOUS ANIMAL DISEASES

A Department of Homeland Security Science & Technology Center of Excellence

Career Development for the Veterinary Professional

Joe W. Mask, PhD

Institute for Infectious Animal Diseases

College Graduate – DVM or PhD

- Evaluate interests and abilities
 - Sciences
 - Animals
- Make commitment (focus, blinders)
 - Highly motivated and dedicated
- Work with scientists
 - Veterinarians
 - Science specialists
 - Animal science specialists
- Work with animals
 - Large, small, exotic animals



High School Degree Plan

- Advanced sciences
 - Calculus
 - Statistics
 - Physics
 - Chemistry (inorganic, organic, biochemistry)
 - Zoology (genetics, nutrition, biology)
 - Microbiology
 - Animal science
 - Veterinary science



College Degree Plan

- Initial college enrollment
 - Community college
 - Senior college
 - Know how to study
 - Study habits
 - Time management
 - Focused
 - Large classes
- College plans
 - Plan A – BS-PhD degree program
 - Plan B – BS-DVM degree program



College BS Degree (Pre-PhD) (Pre-DVM)

- **College of Veterinary Medicine & Biomedical Sciences**
 - Biomedical Science
- **College of Agriculture & Life Sciences**
 - Animal Science
 - Poultry Science
 - Wildlife & Fisheries Science
 - Nutrition & food Science
 - Biological & Agricultural Engineering
 - Biochemistry
 - Genetics



- **College of Science**
 - Biology
 - Chemistry
 - Microbiology
 - Molecular & Cell Biology
 - Zoology
 - Marine Biology
 - Genetics

- TAMU at Galveston
 - Marine Biology



College BS Courses

- Biology
- Microbiology
- Genetics
- Nutrition
- Animal Science
- Inorganic chemistry
- Organic chemistry
- Biochemistry
- Statistics
- Physics
- Calculus



Professional College Application

- Veterinary School – DVM
<http://vetmed.tamu.edu>
- Graduate School – PhD



Professional Career

- DVM Degree
 - Licensed Veterinarian
 - State/National Board Exam
 - State Board of Veterinary Medical Examiners
- PhD Degree
 - Nutritionist
 - Reproductive Physiologist
 - Molecular Geneticist
 - Biochemist – Toxicologist
 - Microbiologist – Parasitologist
 - Epidemiologist
 - Wildlife Biologist – Marine Biologist



- Specialties of employment
 - Regulatory (DVM, PhD)
 - One-health – integrated animal health, human health, environmental health
 - Laboratory (DVM, PhD)
 - Research
 - Diagnostic laboratory
 - Education (DVM, PhD)
 - Clinical (DVM)
 - Diagnosis, treatment



Contact Information - clinical

Joe W. Mask, PhD

Assistant Professor & Extension Specialist

Texas A&M AgriLife Extension Service

Institute for Infectious Animals Diseases (IIAD)

2129 TAMU

College Station, TX 77843-2129

Phone: 979-845-4353

Fax: 979-862-3795

Websites: <http://aevm.tamu.edu>, <http://iiad.tamu.edu>

Email: jmask@ag.tamu.edu



Contact Information

Heather L. Simmons, DVM, MSVPH

Program Manager & Theme Leader

Institute for Infectious Animal Diseases

2129 TAMU

College Station, TX 77843-2129

Phone: 979-862-3202

Fax: 979-845-6574

Website: <http://fazd.tamu.edu>

Email: hlsimmons@ag.tamu.edu

