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
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