The Education System for Veterinarians and VPPs in the USA

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Framework for the United States Veterinary Educational Sector

Associates Degree 2- 3 year program

Veterinary Technician Baccalaureate Degree 4 - year program

Veterinary Technologist Professional Degree 4 - year program

DVM/VMD

High School 2-year program

Certified Veterinary Assistants



Framework for the United States Veterinary Educational Sector

No accreditation
Certification at the
State Level
+/- Continuing
education
requirements

Certified Veterinary Assistants National accreditation Continuing education

Veterinary Technician National accreditation Continuing education

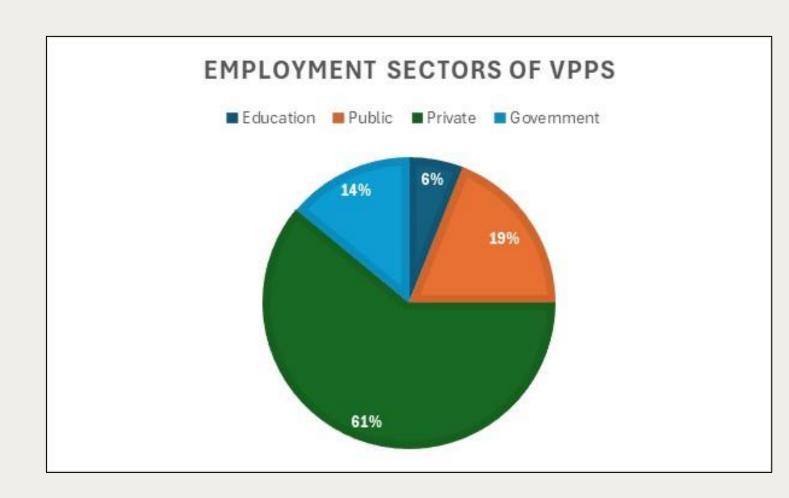
> Veterinary Technologist

National accreditation Continuing education

DVM/VMD

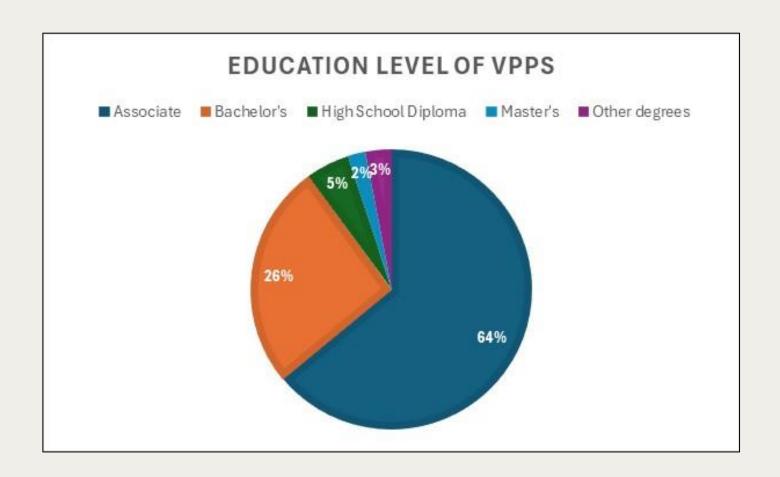


- □ > 101,000 VPPs in USA
 - Female (81%) and Make (19%)
- ☐ Average salary: \$40,369
 - No pay gap by gender
 - High school diploma or less (~ \$39,000)
 - Bachelors and Associate (~\$41,000)





- □ No. of accredited programs (200)
 - Veterinary Technology (28)
 - Veterinary Technician (172)
- ☐ Categories No
 - Licensed
 - Registered
 - Certified





VPTI = Veterinary Paraprofessional Training Institution

1
Institutional accreditation

Finances

3
Organisation and communication

Physical facilities and equipment

5

Library and informational resources

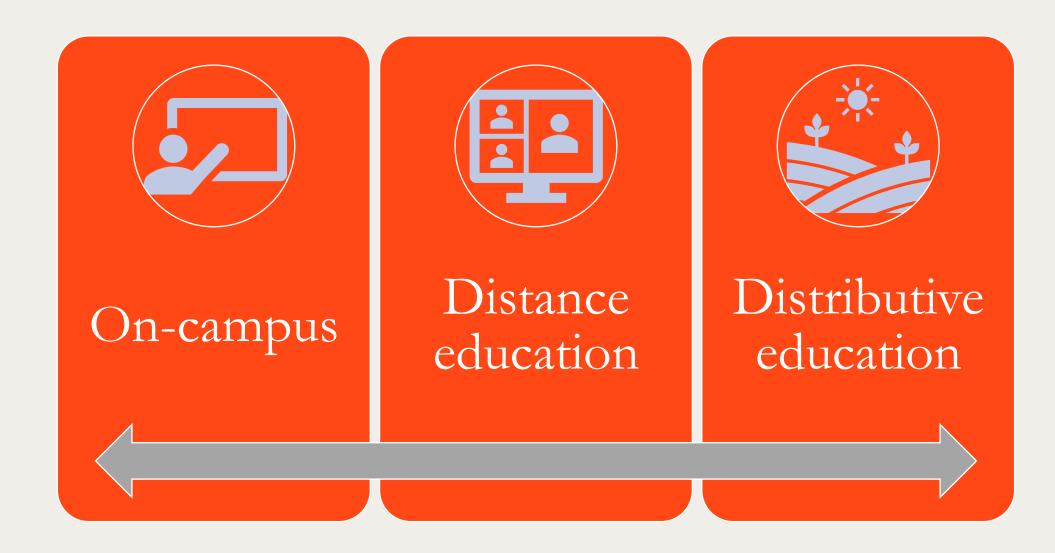
6 Admissions

Students

Faculty and staff

9 Curriculum 10
Outcomes
assessment







VPPs: Entrance Requirements

General

- Applied mathematics
- Biological sciences
- Communication skills
- ☐ Fundamentals of chemistry

Minium Pre-requisites to apply

- ☐ Minimum GPA of 2.5
- □ Prerequisites for admission
 - variable by institution
- □ Reference letters
- □ Application process





Minimum of 60 semester credit hours or equivalent



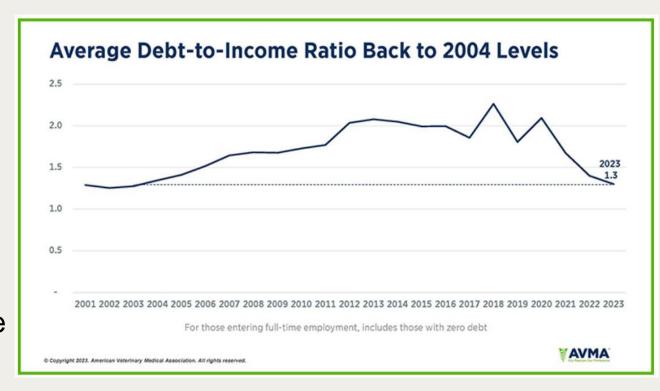
- □ Pharmacology for veterinary technicians
- □ Principles of imaging, including radiography and ultrasonagraphy
- ☐Safety issues for areas of zoonoses and occupational safety
- ☐Surgical nursing and assisting, including instrumentation

- ☐ Technician utilisation and team concepts of health care delivery
- ■Value of professional organisations
- □ Veterinary practice management



Veterinarians: General Sector Statistics

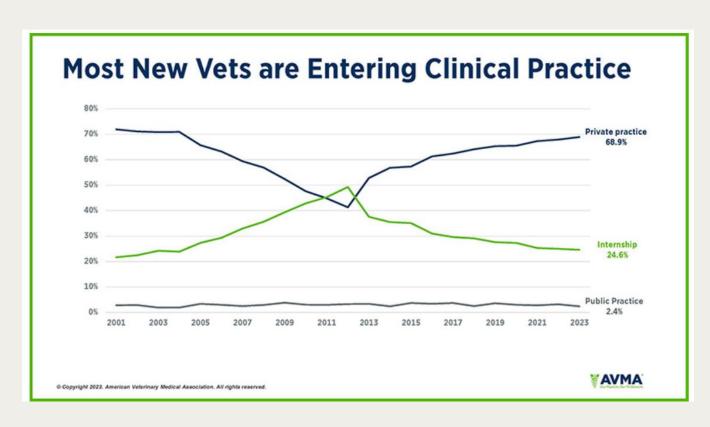
- □ > 127,000 veterinarians in USA
 - Female (67%) and Make (33%)
- □ Average debt for a graduating veterinarian is ~\$155,000
- Mean starting salary: ~\$125,000
 - Highest paid going into private practice (companion animal)
 - Lowest paid were residencies



https://www.avma.org/news/veterinary-starting-salaries-rise-2023-educational-debt-holds-steady

Veterinarians: General Education Statistics

- No. of accredited programs
 - Worldwide (49) including USA
 - Within USA (31)
- ☐ Categories (USA)
 - Internship
 - Residency
 - Public Practice
 - Other



https://www.avma.org/news/veterinary-starting-salaries-rise-2023-educational-debt-holds-steadyc



VMC = Veterinary Medical Colleges

1 Organisation 2 Finances 3 Clinical resources

Physical facilities and equipment

5 Information resources

6 Admissions

Students

Faculty

9 Curriculum 10
Outcomes assessment

Research programs

Entrance into a DVM/VMD Program

□ Prerequisites for admission – variable by institution

- Credit hours range from 45 90 semester hour at the Bachelor's level
- Most students admitted to a DVM/VMD program have completed and graduated with a Bachelor's degree
- Completion of pre-requisite courses before applying to program
- Submission of standardized test scores
 - Graduate Record Exam
 - Veterinary College Admission Test
 - Medical College Admission Test
- Formal experience in working with a DVM

□ Application Process

- Highly competitive process (one of the most competitive of all sectors in USA)



Texas A&M University – College of Veterinary Medicine and Biomedical Sciences (2024 Academic Calendar)

Year	Semester	Course (Credit Hours)
1	Fall	 Integrated animal care I (3) Professional & Clinical Skills I (3) Small Animal Anatomy (4) Physiology I (6) Veterinary Immunology (2) Histology (1) Veterinarians in Society (2)
1	Spring	 Integrated animal care II (2) Professional & Clinical Skills II (3) Clinical Anatomy of Large Animals (3) Agents of Disease I (4) Physiology II (5) Pathology I (3)

Year 1 Credit Hours = Fall Semester (21), Spring Semester (17)



Texas A&M University – College of Veterinary Medicine and Biomedical Sciences (2024 Academic Calendar)

Year	Semester	Course (Credit Hours)
2	Fall	 Professional & Clinical Skills III (3) Agents of Disease II (4) Clinical Laboratory Medicine – Clinical Pathology (5) Public Health, Epidemiology & Evidence-based Medicine (3) Pathology II (3) Pharmacology (3) Elective (2)
2	Spring	 Professional & Clinical Skills IV (3) Principles of Surgery (2) Introduction to Diagnostic Imaging (2) Principles of Anesthesia & Analgesia (3) Organ Dysfunction: Recognition, Diagnostics & Supportive Care (4) Integrated Animal Care III (4) Elective (2)

Year 2 Credit Hours = Fall Semester (23), Spring Semester (20)

Example Curriculum Schedule

Texas A&M University – College of Veterinary Medicine and Biomedical Sciences (2024 Academic Calendar)

Year	Semester	Course (Credit Hours)		
3	Fall	 Professional & Clinical Skills V (3) Small Animal Diagnostics & Therapeutics I (4.5) Large Animal Diagnostics & Therapeutics I (3.5) Career focus tracking I (2) (students choose 1 course) Companion animal, equine or food animal Surgery (5) Diagnostic Imaging & Interpretation (2) Career Selectives (4) small animal, laboratory-based, large-animal or exotic elective 		
3	Spring	 Professional & Clinical Skills VI (4) Small Animal Diagnostics & Therapeutics II (4.5) Large Animal Diagnostics & Therapeutics II (3.5) Career focus tracking II (2) (students choose 1 course) Companion animal, equine or food animal Clinical experience (3) Career Selectives (4) 		

Year 3 Credit Hours = Fall Semester (24), Spring Semester (21)

Texas A&M University – College of Veterinary Medicine and Biomedical Sciences (2024 Academic Calendar)

Year	Semester	Teaching Hospital Tracks		
4	Entire Year	 Companion animal track* Rural/Mixed animal track* Equine track* Alternative track** Production track** 		
 □ All 5 training track require 24 weeks of identical core rotations (2-week/rotation) □ Rotations occur during Holiday times and when the university is closed □ 48 credit hours are earned during Year 4 of the curriculum 				

^{*} All track rotations occur at TAMU Veterinary Medical Teaching Hospital Facilities

^{**} Students must apply and be approved as rotations may occur outside of the TAMU Veterinary Medical Teaching Hospital Facilities

Thank you

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