

# Veterinary Science | 1YR Program - Scope & Sequence

## Semester 1

VS103A - Veterinary Assisting I

VS103B - Veterinary Assisting II

District Pre-Assessment

Unit Name: (1) Intro to the Vet Industry & Basic Terminology (10-15 Days)

- Roles & responsibilities of veterinary health team
- Medical record keeping procedures including confidentiality & legal regulations
- Employability: Professionalism, appearance, ethical conduct, communication
- Medical terminology & abbreviations
- Animal restraints/husbandry
- CTSO Integration (Leadership Skills): Officer Elections, HOSA Meeting, Community Service
- Professional Skills: 1.A-D, 2.A-C, 4.A-F, 8.A-I, 2.B, 3.B-E
- Academic Standards: ELA.11-12.W.4, ELA.11-12.W.5, ELA.11-12.SL.4, ELA.11-12.SL.6, ELA.11-12.RI.7, ELA.11-12.W.7-ELA.11-12.W.9, ELA.11-12.SL.3, ELA.11-12.L.4, ELA.11-12.RI.10, ELA.11-12.RI.2
- Work-Based Learning: Guest Speaker
- Technical Standard: 1.3, 2.1-3, 2.8-9, 4.1-3, 4.6-9, 7.6-8, 8.14

Unit Name: (2) Hospital Safety & \*OSHA (5-10 Days)

- Workplace Safety
- Sanitation & Disinfection
- PPE & Waste Disposal
- Diseases & Isolation
- CTSO Integration (Leadership Skills): HOSA Week, HOSA Meeting, State Officer Visit, Community Service
- Professional Skills: 1.A-B, 2.B, 4.A, 4.B, 4.D-F
- Academic Standards: ELA.11-12.RI.7, ELA.11-12.W.7-ELA.11-12.W.9
- Technical Standard: 5.1, 5.4-5.18, 9.2-9.4, 9.12

\* Occupational Safety and Health Administration (OSHA)- Will be trained during the program, scheduled date and time subject to change.

Unit Name: (3) Small Animal Anatomy & Physiology (15-20 Days)

- Animal Systems including: Integumentary, Muscular-skeletal, Circulatory, Respiratory, Gastrointestinal, Urinary, Nervous, Endocrine, Reproductive, Sensory and Immune
- CTSO Integration (Leadership Skills): Fall Leadership Conference, HOSA Regional Online Testing, HOSA Meeting, Community Service
- Professional Skills: 1.A-D, 2.B, 3.B-E
- Academic Standards: ELA.11-12.W.2, ELA.11-12.L.6, ELA.11-12.RI.7, ELA.11-12.W.7-ELA.11-12.W.9, HS.L3U1.25, Plus HS+B.L4U1.14
- Work-based Learning: Guest Speaker
- Technical Standard: 11.1-11

Unit Name: (4) Veterinary Medical Records & Exam Room Intake (15 Days)

- Medical Records
- Integrity & Security
- Communication & Patient Intake
- CTSO Integration (Leadership Skills): HOSA Online Testing, HOSA Regionals, HOSA Meeting, Community Service
- Professional Skills: 1.A-B, 2.B, 4.D-E, 6.A-B
- Academic Standards: 5.NF.B.3, 5.MD.A.1, ELA.11-12.RI.7, ELA.11-12.W.7-ELA.11-12.W.9
- Technical Standard: 1.4, 1.6, 2.4-7, 3.1-7, 4.4-5, 7.2

Unit Name: (5) Breed Identification, Small Animal Nutrition & Vaccination Protocols (15 Days)

- Vaccination Administration & Protocols
- AKC Dog Breeds
- CFA Cat Breeds
- Small Animal Nutrition
- CTSO Integration (Leadership Skills): State Leadership Conference, HOSA Meeting, Community Service
- Professional Skills: 1.A-B, 2.B, 3.B-E
- Academic Standards: 5.MD.A.1, ELA.11-12.RI.7, ELA.11-12.W.7-ELA.11-12.W.9, ELA.11-12.W.4, ELA.11-12.W.5, ELA.11-12.SL.,
- Work-based Learning: Resume Writing and Cover letter
- Technical Standard: 6.6-7, 7.2, 7.7-8, 8.4, 8.12

Unit Name: (6) Basic Small Animal Nursing Care (10-15 Days)

- Basic Grooming Techniques
- Ear/Eye Medication
- Oral Liquid Medication
- Bandage Types & Application
- CTSO Integration (Leadership Skills): HOSA Meeting, Community Service, Officer Elections
- Professional Skills: 1.A-B, 2.B, 3.B-E
- Academic Standards: ELA.11-12.RI.7, ELA.11-12.W.7-ELA.11-12.W.9,
- Technical Standard: 8.2-3, 8.5, 8.7-8, 8.10-11

## Semester 2

VS104 - Veterinary Assisting III

Unit Name: (7) Procedures & Protocols of the Animal Hospital (5-10 Days)

- Basic cleanliness, sanitation & sterilization
- Laboratory record keeping: Inventory & supply restocking
- Nursing and surgical equipment maintenance
- CTSO Integration (Leadership Skills): HOSA Regional Online Testing
- Professional Skills: 1.A-D, 2.A-C, 4.A-F, 8.A-I, 2.B, 3.B-E
- Academic Standards: ELA.11-12.RI.2, ELA.11-12.RI.7, ELA.11-12.W.7-ELA.11-12.W.9, ELA.11-12.W.5, ELA.11-12.W.6, ELA.11-12.L.4, ELA.11-12.L.6
- Work-Based Learning: Guest Speaker
- Technical Standard: 4.2, 5.1, 5.4-5.18, 7.4

Unit Name: (8) Diagnostic Laboratory Procedures (15-20 Days)

- Laboratory procedures: Urine & Fecal Samples, Blood Samples, External Parasites

- CTSO Integration (Leadership Skills):
- Professional Skills: 1.A-B, 2.B, 3.B-E
- Academic Standards :ELA.11-12.SL.4, ELA.11-12.RI.2, ELA.11-12.RI.10, ELA.11-12.W.7-W.9
- Work-Based Learning: Resume and Cover Letters, Interviews, Job application, Field Trip (50% of students)
- Technical Standard: 7.1-6, 7.10, 9.0, 10.1-14

Unit Name: (9) Surgical Preparation & Assisting (10-15 Days)

- Assist in surgical preparations: Sterilization, autoclave, suture materials, patient preparation, positioning and surgical log
- CTSO Integration (Leadership Skills): HOSA State Online Testing
- Professional Skills: 1.A-B, 2.B, 3.A-E, 4.A-E
- Academic Standards: 5.MD.A.1, ELA.11-12.RI.2, ELA.11-12.RI.7, ELA.11-12.W.7-W.9
- Work-Based Learning: Career Fair, Integrated Project with Professionals (PBA), Practical, Written Exam (50% of students)
- Technical Standard: 8.1, 8.6-10, 8.13, 8.15-16, 9.1-13

Unit Name: (10) Diagnostic Radiology & Ultrasound (10 Days)

- Radiology & ultrasound imaging
- Label, file & store radiographs
- Care, maintenance & processing of radiographs
- CTSO Integration (Leadership Skills): HOSA Regionals
- Professional Skills: 1.A-B, 2.B, 3.A-E
- Academic Standards: ELA.11-12.RI.2, ELA.11-12.RI.2, ELA.11-12.RI.7, ELA.11-12.W.7-W.9
- Work-Based Learning: Guest Speaker
- Technical Standard: 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 12.8

Unit Name: (11) Pharmacy & Pharmacology (10-15 Days)

- Types & groups of drugs
- Legal issues involving drugs
- Filling medications & inventory control
- CTSO Integration (Leadership Skills): HOSA Regionals, Online Testing, HOSA Meeting, Community Service
- Professional Skills: 1.A-B, 2.B, 3.B-E
- Academic Standards: A-CED.A.1, 5.NF.B.3, ELA.11-12.RI.2, ELA.11-12.RI.7, ELA.11-12.W.7, ELA.11-12.W.8, ELA.11-12.W.9, ELA.11-12.RI.10, ELA.11-12.L.4
- Work-Based Learning: Integrated Project with Professionals (PBA), Practical, Written Exam (50% of students)
- Technical Standard: 6.1-5, 6.8

Unit Name: (12) Front Desk & Office Procedures (5-8 Days)

- Front desk responsibilities: appointments, admitting & discharging patients. Basic filing, medical records, invoicing, billing & payment procedures
- Cleanliness of facility: sanitation, disinfection of kennels, exam rooms, surgical suites
- Communication & Client relations verbal & written
- CTSO Integration (Leadership Skills): State Leadership Conference, HOSA Meeting, Community Service
- Professional Skills: 1.A-B, 2.B, 3.A-E, 5.A-E, 6.C, 7.A-C, 9.A-C

- Academic Standards: 7.RP.A.3, ELA.11-12.RI.2, ELA.11-12.RI.7, ELA.11-12.W.7- ELA.11- 12.W.9, ELA.11-12.SL.6, ELA.11-12.W.5, ELA.11-12.RI.10, ELA.11-12.W.4, ELA.11-12.SL.3
- Technical Standard: 1.1-2, 1.4-10, 3.1, 3.7, 5.2, 5.3

Unit Name: (13) Care & Management of Exotic & Large Animals (5-7 Days)

- Restraint of birds, rabbits, reptiles & other exotics
- Restraint, lead and loading of horses, cattle, sheep, swine
- Apply & remove bandages to healthy large animals
- Certification: NAVTA
- CTSO Integration (Leadership Skills): HOSA International Conference
- Professional Skills: 1.A-D, 2.A-C, 4.A-F, 8.A-I, 2.B, 3.B-E
- Academic Standards: ELA.11-12.W.4, ELA.11-12.W.5, ELA.11-12.SL.4, ELA.11-12.SL.6, ELA.11- 12.RI.7, ELA.11-12.W.7- ELA.11-12.W.9, ELA.11-12.SL.3, ELA.11-12.L.4, ELA.11-12.RI.10, ELA.11- 12.RI.2
- Work-Based Learning: Guest Speaker
- Technical Standard: 7.6, 8.14,

Unit Name: (14) Externship (30-50 Days)

- Work-Based Learning: Externship ( 120 hours) Performance Based Assessment, Treatment Room practical, Written Exam and Professional Student Conduct Form
- Technical Standard: All

Common AZCCR Math Standards (CAMS)

English Language Arts Standards (ELAS)

Health Occupations Students of America (HOSA)

National Association of Veterinary Technicians in America (NAVTA)