## Program SLOs
### Veterinary Technology

A.S. Degree – Veterinary Technology
Certificate of Achievement – Veterinary Technology

### Program Student Learning Outcomes
From the 2015 PrOF (Program Review) Update

<table>
<thead>
<tr>
<th></th>
<th>Program Student Learning Outcome (P-SLO)</th>
<th>Apply the principles of pharmacology</th>
<th>• Apply the principles of pharmacology to the practice of veterinary medicine.</th>
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<tr>
<td>1</td>
<td>Program Student Learning Outcome (P-SLO)</td>
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<td>Apply the principles of diagnostic imaging</td>
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<td>Program Student Learning Outcome (P-SLO)</td>
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### A.S. - Veterinary Technology Student Learning Outcomes*

**SLO 1** Apply the principles of pharmacology to the practice of veterinary medicine

- Interpret written orders, calculate doses, and correctly fill prescriptions in a veterinary pharmacy.
- Identify the indications and contraindications to the utilization of pharmaceuticals in the practice of veterinary medicine and surgery.
- Administer medications including but not limited to anesthetics, tranquilizers, pain medications, antibiotics, anti-inflammatories, hormones, chemotherapy agents, and other specialty medications to animals using appropriate techniques.

**SLO 2** Assist the veterinarian in the performance of veterinary medicine and surgery.

- List and identify instrumentation used in a veterinary hospital
- Demonstrate the ability to sterilize instrumentation and maintain equipment in a veterinary hospital.
- Demonstrate correct tissue handling and suturing techniques in a surgical setting.
• Correctly restrain animals for treatment including companion, non-domestic, and large animals.
• Perform nursing functions to include, but not limited to: physical examination, intravenous catheter care, basic life support (BLS), Urinary catheter care, bandaging, and homeostatic maintenance for animals within a veterinary hospital.

SLO 3 Apply the principles of radiography to the practice of veterinary medicine.
• Take radiographs of small and large animals using correct radiographic technique.
• Demonstrate the ability to develop, critique, radiographs, and correct errors in the performance of veterinary radiography.
• Compare and contrast imaging modalities such as CAT, MRI, and ultrasound with respect to indications and applications of these techniques.

SLO 4 Perform clinical laboratory duties within a veterinary hospital
• Identify common parasite ova and larvae of domestic animals in fecal and blood samples.
• Perform common laboratory tests utilized to formulate a minimum data base for an animal including, but not limited to the performance of clinical hematology, chemistry, urinalysis, and fecal analysis tests.
• Formulate a quality control and maintenance program schedule for a clinical in house veterinary laboratory.

SLO 5 Utilize the principles of dentistry in the practice of veterinary medicine.
• Demonstrate proper technique in the utilization of dental instruments.
• Perform non-surgical dental extractions in animals.
• Communicate to clients techniques utilized in home dental care.
•Perform a dental prophylaxis procedure in small animals.

SLO 6 Perform clerical hospital/office duties within a veterinary hospital.
• Maintain financial and patient records.
• Operate a veterinary office computer system.
• Maintain logs required by law including radiographic, laboratory, surgical, anesthesia, and controlled substance logs.
• Organize and maintain an appointment schedule.
• Perform an inventory of hospital supplies and medications.
• Demonstrate telephone answering skills such as greeting clients, answering questions and proper telephone etiquette.

SLO 7 Provide safe, humane, and effective care for common laboratory animals used in animal research.
• Administer medications by oral or injectable methods to laboratory animals.
• Identify common laboratory animal species.
• Collect laboratory specimens such as blood, urine, and feces.
• Determine the sex of common laboratory species.
• Perform and/or supervise basic husbandry practices for common laboratory animal species.

SLO 8 Provide safe, humane, and effective care for birds, reptiles, amphibians, rabbits, and ferrets.
• Demonstrate restraint techniques.
• Administer medications by oral and injectable methods.
• Perform and/or supervise basic husbandry practices.
• Collect laboratory specimens such as blood, urine, and feces.

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- Identify common laboratory animal species.
- Collect laboratory specimens such as blood, urine, and feces.
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