

Equine Certificate Procedures v. 2024

During your 1st/2nd Year each student is expected to complete 6 skills. There are 6 options in Examination Category and 6 options in Husbandry/Horsemanship Category. Of these 12 options, you must complete 6 at a Mastery Level. These can be completed with any DVM, even outside of the College Faculty.

During your 3rd year Labs, you will complete 9 procedures and during your 4th Year Advanced Equine and Equine Therio Rotations, you will complete 25 procedures.

Lastly, during your 4 years of Vet School, you need to complete 10 Elective Procedures. There are 71 options in the system for you to complete the 10 procedures from. But, you need to complete at least one procedure from each of the categories: Dentistry, Diagnostic Imaging, Lameness, Medicine, Reproduction, Skills&Techniques, and Surgery. **In the One45 system, these procedures are labeled wrong. They are labeled "4th Year Electives". Please disregard the "4th Year" and just know this is the list of Electives for you to complete 10**

1/2 year: 6 3rd Year: 9 4th year: 25 Electives (1-4 year): 10

<i>1st/2d year - 6 required - Min. 1/category</i>	<i>Examination</i>	Assign body condition score and estimate a horse's weight within 15% error
	<i>Examination</i>	Auscultate and interpret GI sounds of a patient
	<i>Examination</i>	Auscultate and interpret heart sounds of a patient+D40
	<i>Examination</i>	Auscultate and interpret respiratory sounds of patient
	<i>Examination</i>	Palpate and interpret digital pulses of all limbs of a patient
	<i>Examination</i>	Perform and accurately & concisely report and record findings of a complete physical exam
	<i>Husbandry/Horsemanship</i>	Apply a lip twitch & correctly restrain a horse
	<i>Husbandry/Horsemanship</i>	Apply a neck twitch & correctly restrain a horse
	<i>Husbandry/Horsemanship</i>	Appropriately approach, halter, and lead a horse
	<i>Husbandry/Horsemanship</i>	Appropriately hold a patient for an exam or medical procedure
	<i>Husbandry/Horsemanship</i>	Safely pickup, clean, and evaluate both front and hind feet
<i>3rd year - 9 required - Min. 1/category</i>	<i>Husbandry/Horsemanship</i>	Tie a quick release knot and understand when it is appropriate to use
	<i>Diagnostic Imaging</i>	Become familiar with and practice FLASH ultrasound exam
	<i>Diagnostic Imaging</i>	Interpret radiographs of a region in the limb
	<i>Diagnostic Imaging</i>	Interpret skull or cervical vertebral radiographs

<i>3rd year - 9 required - Min. 1/category</i>	<i>Lameness</i>	Demonstrate the use of hoof testers
	<i>Lameness</i>	Participate in lameness exam, identify lamest limb, & assign a degree/grade of lameness
	<i>Lameness</i>	Perform a distal limb palpation and accurately describe, in detail, the structures being palpated
	<i>Medical Knowledge</i>	Assess a patient's body condition score, body weight, and diet. Make general recommendations for the patient based on its actual
	<i>Medical Knowledge</i>	Develop a vaccination strategy for specific age groups- Foal, Adult (pleasure & performance), broodmare
	<i>Medical Knowledge</i>	Develop an IV fluid management/treatment plan for 24 hours for a patient.
	<i>Medical Knowledge</i>	Explain GI parasite ID, treatment, & prevention strategies
	<i>Medical Knowledge</i>	Generate problem list with appropriately ordered differentials for a case
	<i>Medical Knowledge</i>	Interpret bloodwork
	<i>Medical Knowledge</i>	Take & report a concise, accurate, & pertinent medical history for an equine herd
	<i>Medical Knowledge</i>	Take & report a concise, accurate, & pertinent medical history on an individual patient
	<i>Skills & Techniques</i>	Discuss and/or demonstrate IM injection sites/techniques
	<i>Skills & Techniques</i>	Discuss sites of venipuncture and IV catheter placement
	<i>Skills & Techniques</i>	Perform jugular venipuncture
	<i>Skills & Techniques</i>	Successfully administer oral medications using oral dosing syringes (not on feed)
	<i>Surgery</i>	Proficiently perform open gloving
	<i>Surgery</i>	Proficiently scrub, gown & glove using closed technique
	<i>4th year - 25 required - Min. 1/category</i>	<i>Dentistry</i>
<i>Dentistry</i>		Perform & record findings of a complete dental/oral exam
<i>Dentistry</i>		Perform a dental float
<i>Diagnostic Imaging</i>		Perform the acquisition of diagnostic radiographs (not just hold the horse)
<i>Examination</i>		Complete and interpret findings of a neurological exam
<i>Examination</i>		Perform neonatal foal exam and report findings
<i>Examination</i>		Perform rebreathing bag exam and interpret findings
<i>Examination</i>		Perform rectal palpation for abdominal organs in addition to reproductive structures
<i>Lameness/Surgery</i>		Clip, clean & prepare a wound for exploration & treatment

<i>4th year - 25 required - Min. 1/category</i>	<i>Lameness/Surgery</i>	Discuss & participate in an upper respiratory disease workup
	<i>Lameness/Surgery</i>	Participate in treatment of a subsolar abscess
	<i>Lameness/Surgery</i>	Perform a distal limb ultrasound
	<i>Lameness/Surgery</i>	Perform a laceration repair
	<i>Lameness/Surgery</i>	Perform a musculoskeletal exam on a patient presenting for lameness
	<i>Lameness/Surgery</i>	Perform a regional nerve block
	<i>Lameness/Surgery</i>	Perform cleaning & debridement of an open wound
	<i>Lameness/Surgery</i>	Perform complete limb flexions during lameness exam
	<i>Lameness/Surgery</i>	Perform diagnostic or therapeutic arthrocentesis
	<i>Lameness/Surgery</i>	Perform or participate in a tracheostomy
	<i>Lameness/Surgery</i>	Pull a shoe
	<i>Medical Knowledge</i>	Participate in Coggins testing and required paperwork
	<i>Medical Knowledge</i>	Participate in Health Certificate and required paperwork
	<i>Medical Knowledge</i>	Perform an accurate, concise, & complete patient rounds presentation
	<i>Medicine</i>	Discuss & demonstrate appropriate biosecurity protocols
	<i>Medicine</i>	Discuss the approach to equine endocrine disease work up, interpret diagnostic test results, and implement a treatment plan
	<i>Medicine</i>	Perform a bronchoalveolar lavage or trans-tracheal wash
	<i>Medicine</i>	Perform a colic work up, interpret diagnostics test results, and implement a treatment plan
	<i>Medicine</i>	Perform a colitis work up, interpret diagnostic test results, and implement a treatment plan
	<i>Medicine</i>	Perform a lower respiratory disease workup, interpret diagnostic test results, and implement a treatment plan
	<i>Medicine</i>	Perform an abdominocentesis
	<i>Medicine</i>	Perform an equine abdominal ultrasound
	<i>Medicine</i>	Perform an equine thoracic ultrasound
	<i>Medicine</i>	Perform and interpret findings of an upper airway endoscopy exam
	<i>Medicine</i>	Record & interpret an ECG
	<i>Reproduction</i>	Participate in mare reproductive examination and interpret results
	<i>Reproduction</i>	Participate in stallion reproductive examination and interpret results
	<i>Reproduction</i>	Perform rectal examination of reproductive tract
	<i>Reproduction</i>	Place tail wrap on a horse

<i>4th year - 25 required - Min. 1/category</i>	<i>Reproduction</i>	Properly clean/prepare a mare for urinary, vaginal, or uterine procedure
	<i>Sedation/Anesthesia</i>	Determine appropriate sedation plan for a patient & administer
	<i>Sedation/Anesthesia</i>	Develop a sedation plan for a long procedure or surgery
	<i>Sedation/Anesthesia</i>	Develop and explain a well-rounded pain management plan
	<i>Sedation/Anesthesia</i>	Perform a local or line block
	<i>Skills & Techniques</i>	Administer IM injection
	<i>Skills & Techniques</i>	Administer IV injection
	<i>Skills & Techniques</i>	Administer SQ injection
	<i>Skills & Techniques</i>	Apply a foot bandage
	<i>Skills & Techniques</i>	Apply a full limb bandage-front
	<i>Skills & Techniques</i>	Apply a full limb bandage-rear
	<i>Skills & Techniques</i>	Apply a half limb bandage
	<i>Skills & Techniques</i>	Aseptically prepare site for catheter placement
	<i>Skills & Techniques</i>	Check for & remove (if any) NG reflux, and administer fluids if indicated
	<i>Skills & Techniques</i>	Collect blood via facial sinus stick
	<i>Skills & Techniques</i>	Flush nasolacrimal duct
	<i>Skills & Techniques</i>	Obtain intraocular pressure measurements
	<i>Skills & Techniques</i>	Pass nasogastric tube
	<i>Skills & Techniques</i>	Place & secure a jugular IV catheter
	<i>Elective - 10 required - Min. 1/category</i>	<i>Dentistry</i>
<i>Dentistry</i>		Interpret dental radiographs
<i>Dentistry</i>		Perform wolf tooth extraction
<i>Diagnostic Imaging</i>		Interpret Eq abdominal radiographs
<i>Diagnostic Imaging</i>		Interpret Eq thoracic radiographs
<i>Diagnostic Imaging</i>		Participate in the process of an equine CT
<i>Diagnostic Imaging</i>		Participate in the process of an equine MRI
<i>Diagnostic Imaging</i>		Participate in the process of an equine nuclear scintigraphy procedure
<i>Diagnostic Imaging</i>		Perform a stifle ultrasound
<i>Lameness</i>		Kimsey splint application
<i>Lameness</i>		Limb immobilization/splint application
<i>Lameness</i>		Participate in a routine farrier procedure
<i>Lameness</i>		Participate in a therapeutic shoeing procedure
<i>Lameness</i>		Participate in bone marrow aspiration
<i>Lameness</i>		Perform /participate in a pelvic/coxofemoral ultrasound

<i>Elective - 10 required - Min.1/category</i>	<i>Lameness</i>	Perform a shockwave therapy treatment
	<i>Lameness</i>	Perform a therapeutic laser treatment
	<i>Lameness</i>	Perform axial skeleton palpation and accurately describe, in detail, the structures being palpated
	<i>Lameness</i>	Perform/participate in a cervical facet ultrasound or injection
	<i>Lameness</i>	Perform/participate in a GameReady treatment
	<i>Lameness</i>	Perform/participate in an ultrasound guided injection
	<i>Lameness</i>	Perform/participate in preparation of autologous conditioned serum (irap/IRAP II)
	<i>Lameness</i>	Perform/participate in preparation of platelet rich plasma
	<i>Medicine</i>	Develop a neonatal foal feeding plan and successfully feed foal
	<i>Medicine</i>	Participate in an ultrasound guided biopsy
	<i>Medicine</i>	Participate in the management of a down foal
	<i>Medicine</i>	Participate in the placement &/or management of a sub-palpebral lavage system
	<i>Medicine</i>	Perform a blood or plasma transfusion
	<i>Medicine</i>	Perform and interpret a gastroscopy
	<i>Medicine</i>	Perform or participate in a caudal epidural
	<i>Medicine</i>	Perform or participate in a cerebrospinal fluid tap
	<i>Medicine</i>	Perform or participate in a thoracocentesis
	<i>Medicine</i>	Perform or participate in transabdominal ultrasound monitoring of a foal in utero
	<i>Medicine</i>	Perform or participate in ultrasound of a foal's umbilical structures & urinary bladder
	<i>Medicine</i>	Perform the placement & management of ice boots in a laminitic or at-risk patient
	<i>Reproduction</i>	Obtain uterine culture samples and interpret
	<i>Reproduction</i>	Obtain uterine cytology sample and interpret
	<i>Reproduction</i>	Participate in artificial insemination
	<i>Reproduction</i>	Participate in delivery of a foal
	<i>Reproduction</i>	Participate in estimating gestational length of a foal
	<i>Reproduction</i>	Participate in stallion collection and semen evaluation
	<i>Reproduction</i>	Participate in the treatment of a retained placenta
	<i>Reproduction</i>	Participate in twin reduction
	<i>Reproduction</i>	Perform a test to predict foaling
	<i>Reproduction</i>	Perform and interpret a Foal IgG Snap Test or other diagnostic test for IgG

<i>Elective - 10 required - Min.1/category</i>	<i>Reproduction</i>	Perform pregnancy diagnosis 14-90 days gestation with via transrectal ultrasound
	<i>Reproduction</i>	Perform transabdominal ultrasound for mid- and late-term pregnancy diagnosis
	<i>Reproduction</i>	Remove Caslicks from a mare
	<i>Reproduction</i>	Use a hemocytometer for semen concentration analysis
	<i>Skills & Techniques</i>	Apply a head bandage
	<i>Skills & Techniques</i>	Appropriately restrain a foal
	<i>Skills & Techniques</i>	Perform a sheath cleaning
	<i>Skills & Techniques</i>	Perform an auriculopalpebral block
	<i>Skills & Techniques</i>	Perform enema in a foal
	<i>Skills & Techniques</i>	Perform fluorescein eye stain
	<i>Skills & Techniques</i>	Place a urinary catheter
	<i>Skills & Techniques</i>	Sedate a foal via venipuncture
	<i>Surgery</i>	Debride exuberant granulation tissue
	<i>Surgery</i>	Identify & correctly name an angular or flexoral limb deformity & discuss treatment
	<i>Surgery</i>	Participate in a hoof wall resection
	<i>Surgery</i>	Participate in a large animal abdominal surgery
	<i>Surgery</i>	Participate in a large animal arthroscopic surgery
	<i>Surgery</i>	Participate in a large animal fracture surgery
	<i>Surgery</i>	Participate in a large animal laparoscopy
	<i>Surgery</i>	Participate in a large animal upper airway surgery
	<i>Surgery</i>	Participate in a standing enucleation
	<i>Surgery</i>	Participate in cast application
	<i>Surgery</i>	Perform or participate in an excisional biopsy
	<i>Surgery</i>	Perform or participate in regional limb perfusion
	<i>Surgery</i>	Perform or participate in synovial lavage
	<i>Surgery</i>	Place or apply a tie-over/stent bandage