



Essential Skill Alignment Chart:

Veterinary Science – 01.8301

This chart is designed to help students and parents understand the educational and physical expectations and/or recommendations for the Veterinary Science program at Mon Valley CTC

Program Safety & Physical Considerations

- Ability to focus on safety around moving equipment, hand tools, power tools, and other equipment found in the industry
- Ability to sit and/or stand for long periods of time
- Ability to diagnose the source of a problem quickly and accurately
- Ability to work independently
- Ability to read and follow directions
- Ability to tolerate some chemicals and strong odors

Essential Aptitudes Recommended

Tactile:

- Feel vibrations (i.e. palpate pulses)
- Feel differences in shapes and size (i.e. palpate bladders)
- Administer oral, ocular and aural medications.
- Detect temperature (on patient)
- Feel differences in surface characteristics.

Visual:

- See objects up close
- See objects up to 20 feet away
- Ability to detect subtle movements of limbs in animals
- Use depth perception
- Use peripheral vision
- Distinguish color and color intensity

Hearing:

- Hear faint vocalizations
- Hear faint body sounds
- Hear auditory alarms

Smell:

- Detect odors from patient
- Detect gases or noxious smells



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Reading & Language Arts Levels

- College Prep Reading and Language Arts
- 10th grade plus comprehension (texts and manuals)
- Critical thinking and reading skills

Math Level

- Basic Math Level
- College Prep Algebra I
- Ability to apply weights and measures, metric system, fractions, decimals, percentages, estimations needed to perform a work activity
- Ability to think analytically

End of Year – 12th Grade Assessment Test

- NOCTI

Industry Certifications

- OSHA 10 hour Safety Certification
- Pet First Aid
- Fear Free Certification
- Recover CPR
- ACT Veterinary Foundations
- ACT Kennel Assistant
- ACT Veterinary Receptionist
- ACT Veterinary Assistant 1
- ACT Veterinary Assistant 2

Program Requirements & Related Costs

- Scrub Top: \$25-30
- Scrub Pant: \$25-30
- Closed-toe skid resistant shoe

Cooperative Education

- Students who meet all the requirements, including teacher recommendation, grades, attendance, and discipline record
- Students must provide their own transportation to and from the job site



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Articulation Agreements

- PennWest University - California

Other Skills

- Ability to work independently and as a team member
- Attention to detail very important
- Communication skills
- Problem solving skills
- Negotiate interpersonal conflict effectively, appropriately and professionally
- Respect differences in client and colleagues
- Establish a positive rapport with clients, colleagues and patient
- Exercise good judgement in interacting with colleagues and patients
- Adapt to changing environments/status/stress
- Deal with the unexpected (client, colleague and patient)
- Maintain focus on the task at hand
- Monitor own emotions while maintaining ability to function safely and effectively in a clinical setting (with respect to animals and people)
- Multitask
- Handle strong emotions
- Demonstrate compassion and patience with ALL animal patients
- Effectively and safely deal with uncooperative, aggressive and dangerous animal patients
- Practice in a compassionate and ethical manner
- Adhere to professional/legal ethical standards of the veterinary profession
- Demonstrate accountability for one's own practice
- Act as an advocate for our animal patients