

# Suggested Skills for Success

## Agriculture Path – Agriculture and Environmental Systems

This path focuses on production, processing, marketing, distribution, financing, and development of agricultural commodities and resources, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.



| Programs                           |                             |
|------------------------------------|-----------------------------|
| Agriculture & Livestock Production | Natural Resource Management |
| Animal Care & Management           | Retail Agriculture Services |
| Diesel Power Technologies          | Veterinary Science          |

### Career Expectations and Work Preferences

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| Career Expectations and Work Preferences | <ul style="list-style-type: none"> <li>• Programs may have live animals</li> <li>• Hold/restrain animals, exercise and provide companionship</li> <li>• Prepare labels/samples for laboratory examination</li> <li>• Clean/sanitize exam rooms/equipment/growing areas</li> <li>• Prepare veterinary treatment instruments/supplies/medications</li> <li>• Bathe/clip nails/cut/brush animal hair/fur</li> <li>• Maintain safe/sanitary habitats for various types of animals/plants</li> <li>• Enjoys being outdoors in all types of weather</li> <li>• Enjoys moving around</li> <li>• Does not mind smells—animal and chemical</li> <li>• Recognize/anticipate animal behaviors that could lead to injuries</li> <li>• All programs use various chemicals for sanitation/sterilizing</li> <li>• Programs use various types of bedding (straw/cedar and wood chips/paper)</li> <li>• Student could be exposed to pet hair and dander, hay, animals, plants, etc.</li> <li>• Seniors may gain experience in caring for animals through rotations on weekends and school breaks.</li> </ul> |
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### Frequently Used Pathway Skills/Abilities/Strengths

Each career path has a specific set of skills/abilities that employees need for success in the industry. It is recommended that students have, are developing or can develop the skills/abilities listed below.

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| Sharpness of vision/hearing acuity                            | <ul style="list-style-type: none"> <li>• Distinguish details/differences visually</li> <li>• Differentiate various sounds</li> <li>• Perceive distance/depth of objects in space</li> </ul>  |
| Communication   | <ul style="list-style-type: none"> <li>• Express/explain thoughts/ideas</li> <li>• Write/document/record information accurately</li> <li>• Listen/relay accurate information in written/verbal manner</li> <li>• Follow multi-step instructions in sequence</li> <li>• Read and interpret technical/medical information</li> <li>• Understand and reference diagrams/charts/anatomical information</li> <li>• Social communication (appropriate social media/workplace conversations)</li> </ul> |
| Physical mobility/strength<br>Eye-hand coordination/dexterity | <ul style="list-style-type: none"> <li>• Stoop/bend/walk/carry items safely</li> <li>• Use equipment/lead small and large animals</li> <li>• Work near others to perform medical/health procedures/therapies</li> <li>• Fine motor skills (weighing small animals/restraining animals)</li> <li>• Lift and carry heavy objects (up to 20 pounds)</li> <li>• Familiar with tools</li> </ul>   |
| Problem-solving/reasoning                                     | <ul style="list-style-type: none"> <li>• Develop/follow sequenced activities accurately</li> <li>• Work independently with minimal supervision</li> <li>• Ability to comprehend potential hazards (animals/diseases/chemicals)</li> <li>• Determine courses of action and treatment options</li> <li>• Make informed decisions quickly</li> <li>• Remain calm in stressful situations</li> </ul>   |
| Academic Strengths  | <ul style="list-style-type: none"> <li>• Anatomy/biology/science</li> <li>• Math (ratios/unit conversions/measurements of various types/elapsed time)</li> <li>• Oral/written communication</li> </ul>   |

\*The above was constructed from CT Supervisor and Instructor input and should be considered when exploring career-technical programs at MVCTC.  
**Note:** Final acceptance, for admittance, for a student on an IEP will be determined after an IEP meeting is convened with a MVCTC representative in attendance.