



BIOTECHNOLOGY

Suggested Entry Level Minimum Competencies

Rating Key

1. not essential
2. slightly essential
3. essential
4. very essential

KEY VOCATIONAL BARRIER FACTORS	1	2	3	4
Visual Acuity—the ability to detect differences/details visually				X
Auditory Acuity—the ability to detect differences in pitch/sound			X	
Oral Communication—the ability to verbally express/explain ideas			X	
Written Communication			X	
Physical Mobility/Strength		X		
Eye-Hand Coordination and fine finger dexterity				X
WORKER TRAIT CHARACTERISTICS				
Ability to get along with other students				X
Cooperativeness with instructor			X	
Attitude toward work including tasks of minimal interest			X	
Ability to work independently, without supervision				X
Ability to stick to assigned task to a positive/expected conclusion			X	
Ability to work accurately, recheck and correct work, to within industry standards				X
Ability to follow, retain and interpret:				
Oral instructions—multi-step			X	
Written instructions/manuals				X
Diagram instructions			X	
Visual model/demonstrated instructions			X	
Ability to use numerical data (Count, Compute, etc.) in an applied setting				X
Ability to discriminate between objects of similar:				
Size				X
Shape				X
Color				X
Spatial relationships			X	
Ability to use scientific measuring devices with consistent precision				X
Ability to organize work process				X
Ability to sequence events			X	
Ability to apply logical thinking and scientific knowledge				X
MATH SKILLS				
Counting – Recording – Comparing – Calculating (whole numbers, some dec.) money - Grade Level 1 - 3				X
Calculating (Fractions – decimals, order of operations, Pre-Algebra) – Grade Level 4 - 6				X
Ratio, Algebra, Formulas - Grade Level 7 -8				X
Geometry, Advanced Algebra – Grade Level 9+				X
READING SKILLS				
Grade Level 1-4				X
Grade Level 5-7				X
Grade Level 8-12				X
Grade Level 12+			X	

*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.

REQUIRED: C or better in Biology with one additional science, C or better in Algebra I, and a 2.0 GPA. It is a fast paced program with college level expectations.

Work Preferences to Consider

- Detail oriented
- Be able to handle stooping over work for extended time without complaint
- No problem in dealing with body fluids
- Don't mind multi-tasking or moving from one task to another
- Memorization skills should be strong
- Sit and move for extended periods
- Vision issues over extended time
- Be able to handle significant homework demands with no modifications
- Work Alone and as part of a team-
- Enjoy Science concepts and applications

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