



HEATING/VENTILATION & AIR CONDITIONING

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/Depth perception—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 or explain ideas/concepts		X		
Written Communication—the ability to communicate/record info in a written form		X		
Physical Mobility/Strength			X	
Eye-Hand Coordination & 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 little interest			X	
Ability to work independently, without close supervision			X	
Ability to stick to assigned task to a positive or expected conclusion			X	
Ability to work accurately, recheck work, correct work to industry standards			X	
Ability to follow, interpret and retain:				
Oral instructions—multi-step			X	
Written instructions/manuals			X	
Diagram instructions—simple to complex			X	
Visual model or 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/shade			X	
Spatial Relationships			X	
Ability to use tools of the trade			X	
Ability to organize work process		X		
Ability to reference /interpret charts to troubleshoot		X		
MATH SKILLS—in a lab setting				
Counting – Recording – Comparing – Calculating (whole numbers), begin dec./money - Grade Level 1- 3				X
Calculating (Fractions – Decimals), Order of Operations, pre-Alg./Geom. – Grade Level 4 - 6				X
Ratio, Algebra, Formulas, , Compute interest, volumes, etc. - Grade Level 7 -8				X
Geometry, Shop Math, Advanced Algebra – Grade Level 9+			X	
READING SKILLS				
Grade Level 1-3				X
Grade Level 4-6				X
Grade Level 7-8				X
Grade Level 9-12			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.

Note: Strong measurement and math skills suggested.

Work Preferences to Consider

- Not afraid of heat sources or electricity
- Don't mind being in small spaces
- Don't mind crawling, stooping for extended times
- Enjoy solving problems

Safety Considerations

- Vision/color blindness may be an issue to be considered

Revised 9/2020