



HEAVY EQUIPMENT OPERATOR

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/concepts		X		
Written Communication—the ability to communicate/record via the written word		X		
Physical Mobility/Strength			X	
Eye-Hand Coordination			X	
Eye-Hand-Foot Coordination			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/expected conclusion			X	
Ability to work accurately, recheck and correct work, to industry standards		X		
Ability to follow, interpret and retain:				
Oral instructions—multi-step		X		
Written instructions		X		
Diagram instructions			X	
Visual model/demonstrated instructions			X	
Ability to use numerical data (Count, Compute, etc.)			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 (mechanical tools, large equipment, etc.)	X			
Ability to organize work process		X		
Ability to read a blueprint or plot map			X	
MATH SKILLS—applied in a lab setting				
Counting – Recording – Comparing – Calculating (whole numbers, some dec., money) - Grade Level 1-3				X
Calculating (Fractions – Decimals), Order of Operations, pre-Alg/Geom. – Grade Level 4 - 6				X
Ratio, Algebra, Formulas, -- 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. Some physical disabilities may present challenges for employment and need to be considered.

Work Preferences to Consider

- Jarring /prior back problems could be a health issue
- Dirty work
- Loud Noises are not a concern - Outdoor work

Suggested coursework prior to entry:

- Mainstream math—(Geometry) and science courses
- Shop classes (Industrial Tech, Woodworking, etc.)

Revised 9/2020