



DIESEL POWER TECHNOLOGIES

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 express/explain ideas			X	
Written Communication—record data				X
Physical Mobility/Strength			X	
Eye-hand Coordination and 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 and without close supervision			X	
Ability to stick to assigned task to a positive/expected conclusion				X
Ability to work accurately within industry standards				X
Ability to follow, interpret, and retain:				
Oral instructions—multi-step			X	
Written instructions—multi-step				X
Diagram instructions—simple to sequential				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 tools of the trade (screwdrivers, pliers, etc.)			X	
Ability to organize work process				X
MATH SKILLS				
Counting–Recording–Comparing–Calculating (whole numbers, some decimals, money) ~ Grade Level 1-3				X
Calculating (fractions, decimals, order of operations, pre-algebra, money) ~ Grade Level 4-6				X
Ratio, Algebra, Formulas ~ Grade Level 7-8			X	
Geometry, Probability, Statistics, 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.

Work Preferences to Consider

- Enjoys moving around
- Familiar and often already work with tools
- Does not mind getting dirty
- Stooping, crawling, lifting
- Shop or agriculture type courses
- No problems with loud noises

Revised 9/2020