



## WELDING

Suggested Entry Level Minimum Competencies

### Rating Key

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

<b>KEY VOCATIONAL BARRIER FACTORS</b>	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 ideas/explain			X	
Written Communication—the ability to communicate via the written word/record information		X		
Physical Mobility/Strength				X
Eye-Hand Coordination & Fine Finger Dexterity				X
<b>WORKER TRAIT CHARACTERISTICS</b>				
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 close supervision				X
Ability to stick to assigned task to a positive or expected conclusion			X	
Ability to work accurately, recheck and correct work, to within an industry standard				X
Ability to follow, interpret and retain:				
Oral instructions—multi-step			X	
Written instructions			X	
Diagram instructions—simple to sequential			X	
Visual model 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 (ex. Rulers)		X		
Ability to organize work process			X	
Ability to reference charts		X		
<b>MATH SKILLS—in an applied lab setting</b>				
Counting –Comparing – Calculating (whole numbers, some decimals), money facts - Grade Level 1-3				X
Calculating (Fractions – Decimals--Money), order of operations – Grade Level 4 - 6				X
Algebra/Geometry, Formulas, - Grade Level 7 -8				X
Geometry, Shop Math,– Grade Level 9+				X
<b>READING SKILLS</b>				
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—

- Standing Long Periods of Time
- Smells and heat
- Detail Oriented
- Bending/stooping
- Tolerance for loud noises and overhead work
- Indoor/Outdoor work
- Strong Measuring Skills

Revised 9/2020