



PRECISION MACHINING TECHNOLOGY

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 explain/express ideas			X	
Written Communication—the ability to communicate in written form/record information			X	
Physical Mobility/Strength— be able to lift a minimum of 20 lbs easily and safely (toolbox)				X
Eye-Hand Coordination & Fine Finger Dexterity				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 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/correct work, to industry standards				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 (metric and standard measuring tools, etc.)				X
Ability to organize work process				X
Ability to reference and interpret charts		X		
Ability to troubleshoot and problem solve by following a series of steps		X		
MATH SKILLS—applied in a lab setting				
Counting –Comparing – Calculating (whole numbers, begin decimals, begin money) - Grade Level 1-3				X
Calculating (Fractions – Decimals-Money), Order of operations – Grade Level 4 - 6				X
Pre- Algebra/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.

Work Preferences to Consider

- Stand in one place
- Attention to detail
- Work alone
- Able to follow a sequence of steps with precision and consistency
- Strong measuring skills
- Tolerance for loud noises

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