



AVIATION MAINTENANCE

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/explain ideas			X	
Written Communication			X	
Physical Mobility/Strength— must be able to lift a minimum of 20 lbs. safely and easily			X	
Eye-Hand Coordination & fine finger Dexterity				X
Mechanical Aptitude and Reasoning skills			X	
Computer skills			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/expected conclusion				X
Ability to work accurately, recheck and correct work to within industry standards				X
Ability to follow and retain:				
Oral instructions—multi-step				X
Written instructions/technical manuals				X
Diagram instructions—sequential and complex				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—standard and metric				X
Ability to organize work process			X	
Ability to recognize and apply sequential steps			X	
MATH SKILLS—Applied in lab setting				
Counting – Recording – Comparing – Calculating (whole numbers) - Grade Level 1 - 3				X
Calculating (Fractions – Decimals, Order of Operations, Pre-Algebra) – Grade Level 4 - 6				X
Ratio, Algebra, Formulas, Grade Level 7 -8				X
Geometry, , Advanced Algebra – Grade Level 9+				X
READING SKILLS				
Grade Level 1-4				X
Grade Level 5-7				X
Grade Level 8-12 (text readability=9.6 grade equivalency)				X
Grade Level 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: This program has specific FAA tests and industry requirements that increase the rigor (IEP/504 accommodations are not allowed for FAA standardized tests. All students considering this program should be strong academically and generally effective in taking computerized assessments.

Work Preferences to Consider

- Detail Oriented
- Dirty/Greasy
- Tools
- Noise/smells
- Independent Worker with strong problem solving skills
- Strong Math (minimum of Geometry competency), Reading and Science skills
- Good With Tests where Modifications are **not** Allowed (Written, Computer and Hands-On)
- Attendance including summer coursework—there is a time spent requirement

Revised 9/2020