



COMPUTER CODING AND WEB APPLICATIONS

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	X			
Eye-Hand Coordination and Fine Finger Dexterity		X		
Clerical Perception—ability to perceive pertinent detail in verbal or tabular material				X
Computer Skills—familiarity with moving between programs, keyboard skills, etc.			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 and correct work, to an industry standard				X
Ability to follow, interpret, and retain:				
Oral instructions—multi-step		X		
Written instructions—detailed multi-step				X
Diagram instructions—simple to complex				X
Visual model/demonstrated instructions				X
Ability to use numerical data (count, compute, etc.) in an applied setting				X
Ability to apply the problem solving process and transfer it to a new situation				X
Ability to discriminate between objects of similar:				
Size	X			
Shape	X			
Color	X			
Spatial Relationships	X			
Ability to use tools of the trade (computer, screwdriver, soldering iron, etc.)			X	
Ability to organize work process			X	
Ability to refer to charts for troubleshooting and specifications				X
MATH SKILLS				
Counting–Comparing–Calculating (whole numbers, some decimals, money facts) ~ Grade Level 1-3				X
Calculating (fractions, decimals, money, 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 1-3				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

- Sit for extended periods
- Enjoys detailed work
- Strong math skills
- Strong computer skills—familiar with software applications
- Enjoys problem solving and science

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