



## COMPUTER NETWORKING AND CYBER SECURITY

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/explain ideas			X	
Written Communication		X		
Physical Mobility/Strength		X		
Eye-Hand Coordination and Fine Finger Dexterity	X			
Problem Solving Skills/Sequencing skills			X	
Computer Skills—familiarity with computers and keyboarding skills			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/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—technical manuals			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 discriminate between objects of similar:				
Size	X			
Shape	X			
Color	X			
Spatial Relationships	X			
Ability to use tools of the trade (computer, screwdriver, etc.)			X	
Ability to utilize/interpret charts for troubleshooting and specifications				X
Ability to organize work process			X	
<b>MATH SKILLS—with a calculator</b>				
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, Square Root ~ Grade Level 7-8		X		
Geometry, Advanced Algebra ~ Grade Level 9+	X			
3 Digit Addition / Subtraction (without using calculator)				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

- Ability to study alone and ask appropriate questions from instructor and to search answers on internet
- 2.5 hrs weekly reading homework
- Enjoys detailed work
- Does not mind extended sitting as well as moving in small spaces
- Enjoys working alone or in teams
- Ability to understand a technical issue and take troubleshooting steps to resolve
- Attention to customer needs

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