

EMPLOYABILITY PROFILE Computer Information Systems

Industry-Based Skill Standards

Proficiency Definitions

NA = Not Applicable	1 = Developing				2 = Basic	3 = Proficient	4 = Mastery			ery
	9th	10th	11th	12th			9th	10th	11th	12th
Safety					Network Media					
Maintains a safe work area and avoids common accidents and injuries and can identify potential hazards when working with power supplies and understands how to prevent electrostatic discharge conditions.					Categorize standard cable types and their properties and differentiate and fabricate cables according to TIA/EIA 568A and 568B standards.					
Communicating for Success					Network Devices					
Demonstrates effective communication skills both verbally and in writing. Conducts public speaking in a professional manner.				Install, configure, and differentiate between common network connectivity devices and identify the functions of specialized network devices. Install a basic wireless network.						
Computer Hardware					Network Management					
Able to explain motherboard components, types, and features and the purpose and characteristics of CPUs and their features. Able to install and configure peripherals and input devices, and can configure and optimize portable devices, such as laptops, tablets, and smart devices.				Prepare physical and logical network diagrams, baselines, policies, procedures, configurations, and regulations. Evaluate the network based on configuration management documentation. Can conduct network monitoring to identify performance and connectivity issues.						
Repair and Maintenance					Access Control and Aut	horization				
Can identify different operating systems and install and configure an operating system. Troubleshoot common OS and software issues and install and configure a network and workstation operating system.				Can explain the four main types of access control: discretionary access control, mandatory access control, role-based access control, and attribute-based access control. Demonstrate authorization and explain how it is used.						
Network Technologies					Tools and Troubleshoot	ting				
Explain the function of common networking protocols and identify commonly used TCP and UDP default ports. Evaluate the proper use of addressing technologies and addressing schemes.					Can utilize the appropriate hardware tools for cable fabrication and troubleshooting. Can troubleshoot common wired and wireless connectivity issues, and implement network troubleshooting methodologies, including information gathering.					
Operating Systems and Software					Security Fundamentals					
Identify operating systems by their features and demonstrate proper use of various user interfaces. Troubleshoot common OS and software issues and can explain the difference between opensource and proprietary software.				Able to configure hardware and software security devices and implement features of a network firewall. Demonstrate basic forensic concepts.						
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WORK-BASED LEARNING			POSTSECONDARY CREDIT					
Type of WBL Experience	Year	Hours	College Course	Possible Cr.		Attained		
			SUNY OCC CIS 100	3		Y	Ν	
			SUNY OCC CIS 125	3		Y	Ν	
			SUNY OCC ENG 103	3		Y	Ν	
			SUNY OCC ENG 104	3		Y	Ν	
			SUNY OCC MAT 114	3		Y	Ν	
			SUNY OCC CIS 170	3		Y	Ν	
			SUNY OCC CFS 140	3		Y	Ν	
			SUNY OCC MAT 143	3		Y	Ν	
			Technical Assessment	Passed				
			Written: Computer Systems I	Y N Y N		N		
			Performance: Computer Systems I			N		
			Local: Portfolio	Y		N		
			CERTIFICATIONS, ENDORSEMENTS, LICENSES	ICATIONS, ENDORSEMENTS, LICENSES				
			Title Date Obtained					
			CompTIA A+					
TOTAL								

AWARDS, SPECIAL RECOGNITION, SCHOLARSHIPS	DIPLOMA	Date Obtained		
	Diploma Earned: Insert diploma type here			
	Technical Endorsement on Diploma?	Y	Ν	