



EMPLOYABILITY PROFILE

Cyber Security



Industry Based Skill Standards

Proficiency Definitions
 NA = Not Applicable 1 = Developing 2 = Basic 3 = Proficient 4 = Mastery

	9th	10th	11th	12th
History of Computer Forensics				
Understands the origin and development of computer forensics. Identify organizations responsible for completing computer forensics lab work.				
Personal and Professional Goal Setting and Success				
Defines principles that contribute to personal and professional success. Name characteristics of a healthy, positive attitude				
Communicating for Success				
Demonstrates effective communication skills both verbally and in writing. Conducts public speaking in a professional manner. Understands how to deal				
Safety				
Understands how electrostatic discharge can effect electronics and destroy a piece of evidence. Understand how to safely enter a crime scene.				
Tools and Equipment				
Identify the proper tools associated with taking apart and repairing a computer system and its peripherals.				
Computer Hardware and Peripherals				
Understand all the components that make up a computer system. Be able to distinguish the difference between RAM and the hard drive. Troubleshoot a				
Computer Softwares				
Understands the difference between different computer softwares. Can explain the difference between opensource and proprietary software.				
Virtual Machines				
Understand the purpose and use of a virtual machine. Can setup and install a virtual machine of different operating systems.				
Windows Operating System				
Demonstrates an understanding how to navigate and modify settings in a Windows operating system. Understands the functions of Windows Command				

	9th	10th	11th	12th
Linux Operating System				
Demonstrates an understanding how to navigate and modify settings in a Linux operating system. Understands the functions of Terminal.				
Security Tools				
Understands and demonstrates the use of several security tools when applied to network security. Such tools as Nmap and WireShark.				
Networking				
Demonstrates a basic understanding of how a network is made up and how packets are delivered over the internet.				
Security Policies and Auditing				
Demonstrate how to create/review security policies. Understand the process of an audit and be able to perform one.				
Access Control, Authorization, Authentication				
Demonstrate and understand what access control is, who has what kind of authorization, and what is authentication and how do you know.				
Monitoring and Diagnosing Networks				
Demonstrates how to properly monitor networks and data. Understand how to diagnose any security issue that may occur.				
Malware, Vulnerabilities and Threats				
Demonstrate and understand what malware is and what it can do. Understand how to protect networks from vulnerabilities and security				
Computer Forensics				
Demonstrate understanding of computer forensics through examining files and hard drives				
Disaster Discover				
Demonstrate how an incident is properly handled using chain of custody form				

Industry Certifications Attained	Yes
NOCTI	
A+ Certification	

Internships	Hours
Agency	
Agency	

College Credits Attained		Yes
Utica College CRJ 107	3 CH	
Utica College CRJ 205	3 CH	
Utica College CRJ 333	3 CH	
Total		