

Monroe CTI Grades 9-12	Computer Networking & Security CIP Code: 11.0901	Present Education Levels	Action/Need
Classroom Tests	4-5 per marking period		
End-of-Year 12 th Grade Assessment Test	NOCTI		
Industry Certification Tests and Costs ¹	Cisco Certified Network Associate CCNA Comptia A+ Comptia Security + Comptia Networking+ A+ PC Pro - LabSim Network+ Pro - LabSim Security+ Pro - LabSim		
Number of Books	4-8 Books, over 4 levels		
Lecture Time	45 minutes a day		
Co-operative Education	Students who meet all requirements including teacher recommendation, grades, attendance, and discipline record		
Homework	1-2 assignments a week		
Task List	PDE Statewide Program of Study aligned with certifications		
Prerequisites	Interested in computers and computer literacy		
Reading Levels	9 th grade		
Math Levels	Algebra I by 10 th grade		
Program Requirements and Related Costs	PC toolkit—\$8 Wrist strap—\$4 Headphones—\$4 16 GB USB Flash drive—\$10		
Dual Enrollment			
Articulation Agreements	Statewide Articulation Agreements Northampton Community College Johnson College Lincoln Technical Institute		
Essential APTITUDES for this lab – Recommended levels	Good manual dexterity Ability to understand schematics and wiring diagrams and technical manuals		
Work Environment	Must be able to sit at computers for long periods Must be able to work independently and in groups Must be able to lift 25 pounds		

¹ Costs are shared 50/50 between MCTI and student for PDE approved certifications. The responsibility of the student’s cost per test varies per program. Specific information will be available upon acceptance into a program.