

Program Name: AS Cyber Security	Outcomes	IST 154 Networking Basics
Outcome #1	Think critically	Score a passing grade on a simulated Network+ exam by CompTIA
Outcome #2	Communicate effectively with both verbal and written forms	Submit lab reports in standard format in Blackboard
Outcome #3	Perform and share cooperatively in teams or groups	Work in teams of 2 for lab assignments
Outcome #4	Review and practice computer and network etiquette and ethics found in working environments	Practice network etiquette during lab exercises
Outcome #5	Administer and troubleshoot a network infrastructure	Administer a windows network environment including users and group management. Solve problems in a network environment including cabling and nic cards
Outcome #6	Evaluate best practices in security concepts to maintain confidentiality, integrity and availability of computer systems	Discuss importance of firewalls within a networked environment. Solve problems involving subnets.

Program Name: AS Cyber Security	Outcomes	IST 160 Fundamentals of Security	IST 266 Computer Forensics I	CYB 210 Ethics in the Information Age	CYB 225 Tactical Perimeter Defense	IST 266 Computer Forensics II
Outcome #1	Think critically	Score a passing grade on a simulated Security+ exam by CompTIA		Read the Association Information Technology Professionals Code of Ethics and Standard of Conduct. Write a paper indicating how the student exemplifies the points within the Code of Ethics	Given a scenario of a network system identify vulnerabilities and recommend mitigating these vulnerabilities.	
Outcome #2	Communicate effectively with both verbal and written forms	Submit lab reports in standard format in Blackboard		Select from a list of Case Studies, research scenario and answer discussion questions regarding the case. Present case and findings to class.		
Outcome #3	Perform and share cooperatively in teams or groups			As a member of a team select from a list of Case Studies, research scenario and answer discussion questions regarding the case. Present case and findings to class.	As part of a group create a virtual network with servers, firewalls, VPNs and intrusion detection devices.	
Outcome #4	Review and practice computer and network etiquette and ethics found in working environments			Participate in class discussion/debates regarding ethics in the IT field	Upon completion of lab work return the lab system to its original state.	
Outcome #5	Administer and troubleshoot a network infrastructure	Evaluate security risks on a computer workstation			Strategically place firewalls and routers in the network to better monitor network traffic	
Outcome #6	Evaluate best practices in security concepts to maintain confidentiality, integrity and availability of computer systems	Discuss security policies that should be in practice in organizations			Given a scenario of a network system identify vulnerabilities and recommend mitigating these vulnerabilities.	