

Networking Technology - Program Learning Outcomes

	Program Learning Outcomes	Student Learning Outcomes	Measure of Assessment and Criteria for Success
1.	Students will demonstrate the ability to design, install and test structured cabling systems.	<ul style="list-style-type: none"> • Students will demonstrate the ability to use industry standard cabling equipment to cut, strip, and crimp CAT5 cable. • Students will demonstrate the ability to test cables with various testing equipment such as multimeters and Fluke network equipment. 	<ul style="list-style-type: none"> • Students will participate in cable labs in either NET 110 or NET 125. • 99% of students will successfully cut, strip, install plugs and jacks and test their work or repeat the labs until they can successfully do so. The only exceptions being certain students with physical limitations.
2.	Students will demonstrate the ability to install network operating systems such as Windows and Linux.	<ul style="list-style-type: none"> • Students will successfully install both client and server operating systems for Windows and Linux platforms. • Students will successfully network their computers with other computers in the classroom. • Students will successfully connect to the internet thru switches and routers. 	<ul style="list-style-type: none"> • All students (100%) will successfully install and test client and server operating systems in the following classes: NOS 110, NOS 120, NOS 220, NOS 130, and NOS 230,
3.	Students will demonstrate the ability to configure switches and routers.	<ul style="list-style-type: none"> • Students will successfully use switches from various vendors to create and troubleshoot local area networks. • Students will successfully use Cisco routers to create and troubleshoot local and wide area networks. 	<ul style="list-style-type: none"> • All students (100%) will successfully configure switches in the following classes: NET 126, NET 225, and NET 226. • All students (100%) will successfully configure routers in the following classes: NET 126, NET 225, and NET 226.
4.	Students will demonstrate and understanding of network vulnerabilities and security issues.	<ul style="list-style-type: none"> • Students will demonstrate the ability to develop security plans for assigned computers. • Students will successfully set user permissions and install anti-virus software. 	<ul style="list-style-type: none"> • All students (100%) will successfully complete SEC 110 or equivalent coursework.
5.	Students will exhibit a basic understanding of networking concepts and principles.	<ul style="list-style-type: none"> • Students will demonstrate a basic knowledge of networking and ability to stay current in the field of networking. 	<ul style="list-style-type: none"> • 90% of students will successfully complete both NET 110 and NET 125 with a grade of C or higher or repeat the course.