



# Course Competency Report by Code

Code: BGV1

## Network Fundamentals (BGV1)

Course of Study: BGV1 - Network Fundamentals  
Course Level: Undergraduate  
Course Division: Lower Division Major  
Discipline: Information Technology  
Course Type:  
Department: Information Technology

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
419.3.1	Network Topologies	The graduate distinguishes and explains network topologies, including protocols, ports, addressing schemes, routing, and wireless communication standards.
419.3.2	Media & Topologies	The graduate differentiates and explains physical and logical topologies, including wiring standards.
419.3.3	Network Devices	The graduate differentiates and installs/configures network devices.
419.3.4	Network Connectivity & Performance Methodologies	The graduate identifies appropriate methodologies for troubleshooting network connectivity and performance issues in a given network environment.
419.3.5	Network Troubleshooting Utilities & Analysis	The graduate uses hardware and software utilities to track and maintain network performance in optimized state.
419.3.6	Network Security Devices	The graduate differentiates and explains network security devices and methods for troubleshooting common security threats.