IT 207 : Advanced Networking and Network Security

Credits 5
Quarter Offered Fall
Covers advanced networking and network security concepts & skills including routing, switching, virtual LANs, network design, routing protocols, network management and software defined networking. Secure network design, implementation and monitoring/maintenance are taught using hands-on projects for students. This class may include students from multiple sections.
Prerequisites
IT 107
Course Outcomes

Describe how routing and switching work by building a working, multi-zone network
Demonstrate how to configure routers and switches for specific scenarios
Describe and demonstrate the best practices in secure network design
Describe and demonstrate best practices when maintaining a secure network
Demonstrate how to automate network management tasks
Demonstrate how to manage and configure network security devices such as firewalls and intrusion detection systems