CIT 213 - NETWORKING TECHNOLOGIES

Course Description

This course covers the knowledge and skills needed to troubleshoot, configure, and manage wired and wireless networks. The OSI model will be studied and identified to better enhance the understanding of how various parts work together. Included is an in-depth study of TCP/IP and the characteristics for maintaining a network and ensuring its security. Cloud computing and virtualization technologies will also be introduced. This course maps to the CompTIA Network+ certification exam objectives. Group 2 course.

Credit Hours

4

Contact Hours

5

Lecture Hours

3

Lab Hours

2

General Education Outcomes supported by this course

Critical Thinking - Direct

Course Learning Outcomes

Knowledge:
- Summarize contemporary Networking concepts.
- Identify tools used in Network Troubleshooting.
- Explain troubleshooting methodologies used in problem solving.
- Identify networking best practices.

Application:
- Implement networking concepts used in Business.
- Recommend tools used to troubleshoot networks.

Integration:
- Integrate networking concepts in real-world situations.

Human Dimension:
- Discuss the importance of presenting themselves in a non-threatening manner.
- Work with others to achieve a desired outcome.

Caring - Civic Learning:
- Explore how their role has a direct impact on the productivity of others.
- Discuss ethical dilemmas related to technology.

Learning How to Learn:
- Seek out solutions to problems on their own.