NETWORKING/ TELECOMM (ITCC)

ITCC 1414
CCNA 1: Introduction to Networks
CRT HRS:4   LEC HRS:3   LAB HRS:3   OTH HRS:0
This course covers networking architecture, structure, security, and functions; introduces the principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations to provide a foundation for curriculum.
Prerequisite: None.

ITCC 1444
CCNA 2: Switching, Routing, and Wireless Essentials
CRT HRS:4   LEC HRS:3   LAB HRS:3   OTH HRS:0
This course describes the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts; provides an in-depth understanding of how routers and switches operate and are implemented in the LAN environment.
Prerequisite: ITCC 1414.

ITCC 2420
CCNA 3: Enterprise Networking, Security, and Automation
CRT HRS:4   LEC HRS:3   LAB HRS:3   OTH HRS:0
This course describes the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies. Emphasizes network security concepts and introduces network virtualization and automation.
Prerequisite: ITCC 1444.

ITCC 2443
Network Security
CRT HRS:4   LEC HRS:3   LAB HRS:3   OTH HRS:0
This course covers overall security processes with particular emphasis on hands-on skills in the following areas: security policy design and management; security technologies; products and solutions; firewall and secure router design, installation, configuration, and maintenance; AAA and VPN implementation using routers and firewalls.
Prerequisite: ITCC 2420.