

# COMPUTER INFO TECH (ITCC)

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## **ITCC 1308 Introduction to Voice over Internet Protocol (VoIP) 3 Credits (2 Lec, 2 Lab)**

This course covers basic concepts of voice over internet protocol (VoIP). Focuses on technology integration of and data transmission in network communications.

Prerequisite(s): ITCC 1301 or ITNW 1325

Course Type: Technical

## **ITCC 1314 CCNA 1: Introduction to Networks 3 Credits (2 Lec, 3 Lab)**

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 the curriculum.

Prerequisite with concurrency: ITSC 1305 or Department Chair approval

Course Type: Technical

## **ITCC 1444 CCNA 2: Switching, Routing and Wireless Essentials 4 Credits (3 Lec, 2 Lab)**

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(s): ITCC 1314 or Department Chair Approval

Course Type: Technical

## **ITCC 2420 CCNA 3: Enterprise Networking, Security, and Automation 4 Credits (3 Lec, 2 Lab)**

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(s): ITCC 1444 or Department Chair approval

Course Type: Technical

## **ITCC 2441 CCNA Security 4 Credits (3 Lec, 2 Lab)**

This course covers the overall security processes with particular emphasis on hands-on skills in the following areas: security policy design and management; security technologies, products, and solutions; and secure router design, installation, configuration, and maintenance; AAA and VPN implementation using routers and firewalls.

Prerequisite(s): ITCC 1444 or Department Chair approval

Course Type: Technical