Cisco Exploration 1 – Network Fundamentals
Prerequisite: ITSC 1305 or department chair approval. Note: Textbook required.
This course introduces the architecture, structure, functions, components, and models of the Internet. It describes the use of OSI and TCP layered models to examine the nature and roles of protocols and services at the applications, network, data link, and physical layers. It covers the principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations. The students will build simple LAN topologies by applying basic principles of cabling; performing basic configurations of network devices, including routers and switches; and implementing IP addressing schemes. (ITCC 1401) $332

Cisco Exploration 2 - Routing Protocols
Prerequisite: Cisco Exploration 1. Note: Textbook required.
Learn architecture, operation of routers, and routing protocols; analyze, configure, verify, and troubleshoot RIPv1, RIPv2, EIGRP, and OSPF. (ITCC 1404) $332

Cisco Exploration 4 - Accessing the WAN
Prerequisite: Cisco Exploration 1, Cisco Exploration 2. Note: Textbook required.
Learn traffic control principles, access control lists, and protocols at the data link layer for wide-area access. Implement PPoE, DSL, and Frame Relay. (ITCC 2410) $332

For more information, call Leslie McCain at 281.332.8400 for Corporate Training, call Jerelyn Hughes Glenn at 832.932.5248

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