

CFISD Information Technologies II

Scope and Sequence

Course Description:

Internetworking Technologies II prepares students to install, operate and troubleshoot a medium-sized business enterprise branch network. Completing both Internetworking Technologies I and II prepares students to pass both the CCENT and CCNA exams, as both are industry-recognized certifications in this field. The goal for providing this training (and potential certification) is to assist students in becoming more marketable and desirable in the workplace.

- Grade 12
- Required prerequisite: Internetworking Technologies I
- Satisfies advanced course requirement for Business & Industry endorsement
- Lab supplies or fee may be required.
- Cisco certifications satisfy the requirement to earn a performance acknowledgement.
- Assessment for verification of industry-recognized training is available for a fee.

TEKS

Cluster: Information Technology

Endorsement: Business & Industry

- Meets advanced course requirement (Y/N): Y
- Meets foundation requirement for math, science, fine arts, English, LOTE (Y/N-area): N

Industry Certification/Credentials: Cisco CCENT/CCNA

Instructional Units	Pacing
Chapter 1: Introduction to Scaling Networks Chapter 2: LAN Redundancy Chapter 3: Link Aggregation Chapter 4: Wireless LANs Chapter 5: Adjust and Troubleshoot Single-Area OSPF Chapter 6: Multiarea OSPF Chapter 7: EIGRP Chapter 8: EIGRP Advanced Configurations and Troubleshooting Chapter 9: IOS Images and Licensing	Fall Semester
Chapter 1: Hierarchical Network Design Chapter 2: Connecting to the WAN Chapter 3: Point-to-Point Connections Chapter 4: Frame Relay Chapter 5: Network Address Translation for IPv4 Chapter 6: Broadband Solutions Chapter 7: Securing Site-to-Site Connectivity Chapter 8: Monitoring the Network Chapter 9: Troubleshooting the Network	Spring Semester

Primary Instructional Materials: Cisco Networking Materials