

CFISD Internetworking Technologies I

Scope and Sequence

Endorsement: STEM or Business and Industry

Cluster: Information Technology

Meets advanced course requirement? NO

Program of Study: Networking Systems or Cybersecurity

Meets foundation requirement for math, science, fine arts, English, LOTE? NO

Course Description:

Internetworking Technologies I prepares students to install, operate and troubleshoot a home or small business enterprise branch network. The content of this course is in alignment with the Cisco Certified Support Technician (CCST) – Networking certification. The goal of providing this training and Industry recognized certification is to assist students in becoming more marketable and desirable in the workplace.

TEKS

- 1 credit
- Grades 10-12
- Lab supplies or fee may be required
- Required prerequisites: *None*
- Recommended prerequisites: *Networking and Computer Science I*

Industry Certification/Credential: CCST-Networking, ITS Networking, Cisco CCNA

TEA recognized IBC (to count toward program of study completion)? YES

Instructional Units	Grading Period
Build a Small SOHO Network Network Access The Internet Protocol Communications Between Networks	N1 (fall)
Protocols for Specific Tasks Characteristics of Network Design Network Addressing Configure Cisco Devices	N2 (fall)
Physical, DataLink, and Network Layers IP Addressing Cisco Devices and Troubleshooting	N3 (spring)
Network Support and Troubleshooting Certification Prep	N4 (spring)

Primary Instructional Materials: N/A

Supplemental Materials: Cisco Networking Materials