

CFISD Networking

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:

Upon completion of this course, students will understand the fundamentals of computer hardware and software such that they can assemble a computer system, install an operating system, and troubleshoot issues that arise. Other topics include preventative maintenance, networking and security. The content of this course is in alignment with industry-recognized computer technician certifications such as CompTIA’s A+ and/or Tech +. 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 9-12
 - Lab supplies or fee may be required
- Required prerequisites: *None*
 - Recommended prerequisites: *Principles of Computers and Coding*

Industry Certification/Credential: *CompTIA Tech+ or CompTIA A+ (potential college credit with A+ certification)*

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

Instructional Units	Grading Period
Troubleshooting Methodologies Data Management Privacy and Data Fidelity	N1 (fall)
Hardware Operating Systems	N2 (fall)
Applications and Software Networking Internet Technologies	N3 (spring)
CyberSecurity Databases Certification Test Prep	N4 (spring)

Primary Instructional Materials: N/A

Supplemental Materials: CompTIA Certification Objectives