

CFISD Practicum in Information Technology Scope and Sequence

Course Description:

Practicum in Information Technology course introduces students to the fundamentals of computer hardware and software. Additional topics covered are mobile devices, Linux, macOS, virtualization and cloud computing, as well as expanded information about Microsoft Windows operating systems, security, networking, troubleshooting, and the responsibilities of an IT professional. Completing the course prepares students to pass the CompTIA A+, an industry-recognized certification 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 Pre-requisites (or concurrent): At least two technology courses with at least one being Networking or Internetworking Tech I
- Satisfies advanced course requirement for Business & Industry endorsement.
- CompTIA and Cisco certifications satisfy the requirement to earn a performance acknowledgement.
- Assessment for verification of industry-recognized training is available for a fee.

[TEKS](#)

Program of Study: Networking Services

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: Comptia A+ / IT Specialist

Instructional Units	Pacing
Introduction to Personal Computer PC Assembly Advanced Computer Hardware Preventive Maintenance and Troubleshooting Networking Concepts Applied Networking Laptops and Other Mobile Devices	Fall Semester
Printers Virtualization and Cloud Computing Windows Installation Windows Configuration Mobile, Linux, and macOS Operating Security The IT Professional	Spring Semester

Primary Instructional Materials: Cisco / CompTIA Materials