

CFISD Practicum in Information Technology

Scope and Sequence

Endorsement:STEM or Business and Industry

Cluster: Information Technology

Meets advanced course requirement? YES

Program of Study: Cybersecurity

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

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 Industry recognized certification is to assist students in becoming more marketable and desirable in the workplace.

TEKS

- 2 credit
 - Grade 12
 - Lab supplies or fee may be required
- **Required prerequisites (or concurrent):**
At least two technology courses with at least one being Networking or Internetworking Tech I

Industry Certification/Credential: None

TEA recognized IBC (to count toward program of study completion)? NO

Instructional Units	Grading Period
Introduction to Personal Computer PC Assembly Advanced Computer Hardware Preventive Maintenance and Troubleshooting	N1 (fall)
Networking Concepts Applied Networking Laptops and Other Mobile Devices	N2 (fall)
Printers Virtualization and Cloud Computing Windows Installation Windows Configuration	N3 (spring)
Mobile, Linux, and macOS Operating Security The IT Professional	N4 (spring)

Primary Instructional Materials: N/A

Supplementary Instructional Materials: Will vary based on project.