

CFISD Cybersecurity Capstone

Scope and Sequence

Endorsement: STEM / 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:

This course is a supervised research study/project-based class where students will apply knowledge and skills from previous Networking and Computer Science courses in a related advanced/specialized field of study. Topics will include, but are not limited to, supporting network security and Windows operating systems. Students are required to submit a formal project plan within 15 school days after enrollment in the course. The plan should specify the additional languages and/or technologies that will be studied and utilized, along with an overview of the culminating project.

TEKS link

- 1 credit
- Grades 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: *CompTIA Security +*
TEA recognized IBC (to count toward program of study completion)? YES

Instructional Units	Grading Period
Independent study project for personal enrichment and professional development Design and develop an individual research project with Formal Project Plan (NOTE: <i>This is due within 15 days after enrollment in the course</i>) Verbal and nonverbal communication skills Professional and ethical behavior standards	N1 (fall)
Verbal and nonverbal communication skills Professional and ethical behavior standards Time management and progress documentation	N2 (fall)
Verbal and nonverbal communication skills Professional and ethical behavior standards Time management and progress documentation	N3 (spring)
Verbal and nonverbal communication skills Professional and ethical behavior standards Completion and presentation of project	N4 (spring)

Primary Instructional Materials: N/A

Supplementary Instructional Materials: Will vary depending upon project.