CFISD Project-based Research in Computer Science

Scope and Sequence

Course Description:

This course is a supervised research study/project-based class where students will apply knowledge and skills from previous 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 system. 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.

- Grades 11-12
- Required prerequisite: Computer Science III K or concurrent
- Satisfies advanced course requirement for Business & Industry endorsement.
- Lab supplies or fee may be required.

[TEKS](#)

Program of Study: Programming & Software Development

Cluster: STEM / Information Technology

Endorsement: STEM / Business & Industry

- Meets advanced course requirement (Y/N): Yes
- Meets foundation requirement for math, science, fine arts, English, LOTE (Y/N-area): N

Industry Certification/Credentials: None

Instructional Units	Pacing
Independent study project for personal enrichment and professional development Verbal and nonverbal communication skills Professional and ethical behavior standards Design and develop a research project	Full year

Primary Instructional Materials: will vary depending on project