

CFISD Practicum in Science, Technology, Engineering and Mathematics Scope and Sequence

Course Description:

This course allows students to apply science, technology, engineering, and mathematics concepts and principles in the classroom and the workplace. In the classroom portion of the course, students will gain knowledge of professional standards as required by business and industry. Students will also receive industry-recognized training designed to make them more marketable and desirable in the workplace. Students are required to work 10 hours per week at an approved training site and must be employed at that site within 15 school days after enrollment in the course. (2 Credits)

- Grades 11 – 12
- Required prerequisite: Engineering Design II or Robotics II and age 16 if paid training site
- Lab fee will be required

TEKS

Programs of Study: Robotics and Engineering

Cluster: Science, Technology, Engineering and Mathematics

Endorsement: STEM

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

Industry Certification/Credentials: n/a

Instructional Units	Pacing
Employment/Employability Skills On Job Training Communication Skills	1st Semester
Research Portfolio Development Professionalism	2nd Semester

Primary Instructional Materials: Will vary depending on workplace/field experience