

# Practicum in STEM

**Local Course #:** 82372

**State Course ID:** 13037400

## **Course Description:**

This practicum is designed for students who are interested in internships with corporate and local engineering partners. The course provides a unique opportunity for students to apply their previously acquired knowledge and skills in a real-world setting, gaining hands-on experience in various engineering fields such as mechanical, electrical, civil, aeronautical, and computer engineering. Before beginning their internships, students will receive comprehensive soft skills training, preparing them for professional environments. Throughout the practicum, students will continue to refine these skills within the classroom, ensuring they are well-equipped for future career opportunities. Internship experiences are carefully supervised and take place in locations appropriate to the nature and level of the student's experience. Please note that internship placements are limited and not guaranteed for all students.

## **Link to TEKS:**

[https://texas-sos.appianportalsgov.com/rules-and-meetings?\\$locale=en\\_US&interface=VIEW\\_TAC\\_SUMMARY&queryAsDate=08%2F05%2F2025&recordId=225719](https://texas-sos.appianportalsgov.com/rules-and-meetings?$locale=en_US&interface=VIEW_TAC_SUMMARY&queryAsDate=08%2F05%2F2025&recordId=225719)

## **First 9 Weeks Major Topics:**

To start the year, the students prepare to go out to work at their internship. This includes reviewing expectations for internships, reviewing resumes and job application techniques, and creating a professional portfolio.

## **Second 9 Weeks Major Topics:**

In the second quarter, the students start going out to work at their engineering internship. The students follow learning objectives as they work with a real-world engineering team, frequently debriefing with the other internship students to learn from their experiences.

## **Third 9 Weeks Major Topics:**

In the third quarter, students are gaining valuable experience at their internships, opening their eyes to what it means to work in the engineering career field. They also continue to debrief and process their experiences.

## **Fourth 9 Weeks Major Topics:**

In the last quarter, the students are preparing to wrap up the schoolyear internship. They often continue to work through the summer and in the following years as they go to college.