



## Why an Academy?

**Fort Bend ISD High School Academies exist to provide specialized learning communities with concentrated and robust course pathways comprised of career and academic classes.**

**Academies...**  
Making a World of Difference

*Find out more about this program through the Fort Bend ISD website at [www.fortbendisd.com](http://www.fortbendisd.com).*



**For more information contact:**

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Produced by the Community Relations Department



**Academies...**Making a World of Difference



# Elkins High School • Engineering Academy

## OVERVIEW

The Engineering Academy exists to provide students opportunities to receive in-depth exposure to a specific career pathway in the engineering field. The Academy is comprehensive in nature and covers the multiple disciplines in the general field of engineering with an emphasis on the engineering design process. Students are exposed to robust academy and academic coursework ensuring college readiness in the field of engineering.

## APPLICATION

**Students are selected based on the following criteria:**

- Completed application found on the Fort Bend ISD website
- Recommended that students complete Algebra I prior to the start of their 9th grade year
- Successful completion of all parts of the 7th grade STAAR exam
- 7th and 8th grade semester grades in math, science, ELA and social studies
- Math entrance exam

Final acceptance is contingent upon successful completion of all 8th grade courses during the regular school year and all parts of the 8th grade STAAR exam.

Any student attending an academy outside of the attendance zone in which he/she resides, will be ineligible for varsity athletic competition for one calendar year.

## PROGRAM REQUIREMENTS/ COMMITMENTS

**Students must:**

- Complete 4 Engineering credits in a coherent sequence as identified by the Engineering Academy Pathway on campus.
- Be enrolled in preAP, AP, Honors or Dual Credit math and science course all four years at the campus inclusive of Calculus AB or BC, Physics and Chemistry.
- Take and pass all appropriate course certifications.
- Participate in 4 pre-approved Engineering activities annually.
- Complete 100 hours of community service while enrolled in the Academy.
- Complete 1 graduation project from the approved list.

## ACADEMY EXPECTATIONS

- Academy students must be enrolled in the appropriate sequence of academy and academic courses as outlined in the program guidelines at all times.
- Academy students must maintain a 75 or higher in all academy specific courses.
- Academy students must maintain a 70 or higher in all other courses.
- Academy students must complete 12.5 hours of community service each semester for a total of 25 hours per school year as approved by the Academy Coordinator.
- Academy students must participate in at least 1 enrichment activity per grading period as outlined by the Academy Coordinator.

## FOUR-YEAR ACADEMY COURSE PATHWAY

Introduction to Engineering Design  
Principles of Engineering  
Civil Engineering and Architecture  
Capstone Class – Engineering Design and Development

*Course offerings are subject to change in the event that the Texas Education Agency makes changes to approved courses and/or due to low enrollment.*

