Engineering Academy

Program of Choice

Elkins High School

Innovation · Design · Construction

The Engineering Academy exists to provide students opportunities to receive in-depth exposure to a specific career pathway in the engineering field.

Sample career opportunities include:

- Engineer
- Software Developer
- Architect
- Mathematician
- Researcher Analyst
- Scientist Manager

Requirements of the Academy:

- Complete four Engineering credits
- Enroll in an *AAC or above level math and science course all four years *(*Formerly known as Pre-AP)*

Sample Enrichment Activities:

- FBISD's STEAM Fest
- Guest Speakers
- Houston Mini Maker Fair
- Science Engineering Fair
- Engineering Career Fair
- Orthotics and Prosthetics Lab Tour

SAMPLE High School Plan: The sample below is for the class of 2024 and beyond. Variations such as involvements in athletics, fine arts and summer courses taken will affect the actual high school plan for each student. Courses that are in **BOLD** are requirements for the Engineering Academy. You are required to take at least one AAC level or above science and math course all four years. You must also enroll in one credit of AAC/AP Computer Science. This sample assumes AAC Algebra I is taken in eighth grade.

Note: Advanced Academic Course (AAC) were formerly known as Pre-AP

	9th	10th	11th	12th
1	English I	English II	English III	English IV
2	World Geography	World History	US History	US Gov't and Economics
3	AAC Geometry	AAC Algebra II	AAC Pre-Calculus	AP Calculus
4	AAC Biology	AAC Chemistry	AP Physics I	Science Elective
5	(AP Level)	Language II	Fine Arts Elective	PE
6	Language I	Language II	Fine Arts Elective	PE
7	AAC Computer Science	Elective	**Aerospace OR/AND Civil Engineering**	Elective
	Introduction to Engineering Design	**Engineering Science**	Elective	**Capstone Course: Engineering Design and Development**

For more information, please visit www.fortbendisd.com/engineering.

Academy Specialized Courses:

Aerospace Engineering

(See page 14 for course description.)

Civil Engineering and Architecture

(See page 13 for course description.)

Capstone Course: Engineering Design and Development

(See page 13 for course description)