



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.

For more information contact:

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Produced by the Community Relations Department



Academies...Making a World of Difference

Medical Science Academy

**Fort Bend Independent School District
ACADEMY
program**

Hightower High School • Medical Science Academy

OVERVIEW

The Medical Science Academy exists to provide students opportunities to explore world-class medical facilities and position themselves for medical careers. The Academy offers four years of robust curriculum focused on a variety of medical science topics. With the knowledge and practical skills obtained, Academy students graduate with a decided advantage over others competing to enter collegiate medical programs. Academy curriculum features a comprehensive progression of courses ranging from basic medical concepts to advanced diagnostics.

APPLICATION

Students are selected based on the following criteria:

- Completed application found on the Fort Bend ISD website
- It is 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 and all parts of the 8th grade STAAR exam

PROGRAM REQUIREMENTS/ COMMITMENTS

- Complete 5 Medical Science credits in a coherent sequence inclusive of Medical Terminology and Anatomy and Physiology as identified by the Medical Science Academy pathways on campus.
- Must be enrolled in preAP, AP, Honors or Dual Credit science all 4 years inclusive of Biology, Chemistry and Physics at the campus.
- Take and pass all appropriate course certifications.
- Participate in 4 approved medical science activities annually.
- Complete 100 hours of community service while enrolled in the Academy.

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

Five credits in a coherent sequence from one of the pathways below inclusive of the first courses listed:

**Principles of Health Science (1)
Medical Terminology (1)
Anatomy and Physiology (1)**

Students choose at least 2 credits from one of the pathways below:

Clinical Study –

- Health Science Theory (1) AND Health Science Clinical (1) – these courses must be taken concurrently
- Pharmacology (1)
- Practicum of Health Science (2)

Research –

- World Health Research (1)
- Health Informatics (1)

Scientific –

- Medical Microbiology (1)
- Pathophysiology (1)

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.

