

Program of Choice Hightower High School

Collaboration · Passion · Philanthropy

The Medical Science Academy exists to provide students opportunities to explore world-class medical facilities and position themselves for medical careers.

Sample career opportunities include:

- Medical Doctor Nurse
- Lab Technician
- EMT
- Medical Researcher
- Forensic Scientist
- Dentist
- Pharmacy Technician

Requirements of the Academy:

- Complete six Medical Science Academy credits
- Enroll in a AAC or above level science course all four years (Formerly known as Pre-AP)
- Complete all appropriate course certifications

Sample Enrichment Activities:

- University of Texas McGovern School of Medicine tour
- Guest Speakers/Panelists
- TIRR Memorial Hermann tour and presentation
- The Health Museum
- MD Anderson Cancer Center

SAMPLE High School Plan: The sample below is for the class of 2024 and beyond. Variations such as involvement 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 Medical Science Academy. **You are required to take at least one AAC level or above science course all four years and highly encouraged to take advanced level math all four years.**

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 Macroeconomics
3	Algebra I	Geometry	Algebra II	Pre-Calculus
4	AAC Biology	AAC Chemistry	AP Biology	Pathophysiology
5	Language I	Language II	Fine Arts Elective	Elective
6	Health and Professional Communications	Elective	Medical Microbiology	Elective
7	Principles of Health Science	Medical Terminology	Anatomy and Physiology	Pharmacology

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

Academy Specialized Courses:

Medical Microbiology

(See [page 47](#) for course description.)

Pharmacology

(See [page 47](#) for course description.)

Pathophysiology

(See [page 47](#) for course description.)