

Math and Science Academy

Program of Choice Dulles High School

Innovation · Logic · Experimentation

The Math and Science Academy exists to provide students opportunities to advance through a specialized series of courses to prepare them for careers in math and science fields.

Sample career opportunities include:

- Medical Doctor
- Software Developer
- Architect
- Mathematician
- Researcher Analyst
- Scientist Engineer

Requirements of the Academy:

- Complete a combination of 11 math and science credits
- Enroll in a AAC or above level math and science course all four years (Formerly known as Pre-AP)
- Complete Fundamentals of Computer Science or above (Formerly known as Pre-AP)
- Complete a Senior Graduation Project

Sample Enrichment Activities:

- FBISD's STEAM Fest
- Guest Speakers
- Houston Mini Maker Faire
- Science Engineering Fair
- Science Nights
- Day of Discovery

SAMPLE High School Plan: 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 Math and Science 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 Level) Science Elective | Science Elective (AP or Above Level) |
| 5 | Language I | Language II | Fine Arts Elective | PE |
| 6 | AAC Computer Science | Elective | Elective | Health and Professional Communications |
| 7 | Elective | AP Physics I | Elective | Math or Science Elective (AP or Above Level) |

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

Academy Specialized Courses:

Organic Chemistry

(See [page 74](#) for course description.)

Modern Physics

(See [page 75](#) for course description.)

Multi-variable Calculus

(See [page 71](#) for course description.)