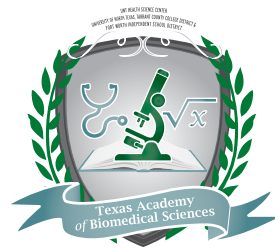


# Texas Academy of Biomedical Sciences

## Campus profile 2022 – 2023



### Who we are

Founded in 2011, the Texas Academy of Biomedical Sciences is a public Early College High School dedicated to educating students who have expressed interest in biomedical-related careers and areas of study. The school admits about 100 students a year through a lottery system. At TABS, students receive real-world and hands-on instruction in a blended setting that mixes high school and college courses. In every program and classroom, TABS encourages academic rigor and student development in language, culture, knowledge and responsibility.

### About Early College High School

The goal of an Early College High School is for students to graduate with up to 60 hours of transferable college credit. Students attend courses free of charge at Tarrant County College's Trinity River Campus. TABS' students are part of a small program that is ideal for first-generation and at-risk students, as well as those of low socioeconomic status. They can earn associate of arts or associate of science degrees.

### Related accomplishments

	2019	2020	2021	2022
30-plus college hours	100%	99%	96%	91%
Associate of arts	66	57	52	57
Associate of science	22	30	13	19

### College readiness exam results

SAT School Day, March 2022 (class of 2023)

	TABS	District	State	Globe
Total mean	990	875	958	963
ERW mean	502	446	487	490
Math mean	488	429	471	473

ACT School Day, March 2022 (class of 2023)

	TABS	District
Composite mean	18.8	15.5
Math mean	18.9	16
Science mean	19.2	15.9
English mean	17.3	13.7

### Advanced Placement

In 2022, students took a total of 202 A.P. exams in nine courses. Of those exams, 31 percent scored a 3 or higher.

### Certifications and career pathways

#### Patient care technician

Students learn to conduct phlebotomies and EKG tests, take vital signs, assist with activities of daily living, and provide comfort care. Students gain basic knowledge of medical terms, ethics, legal issues, anatomy and physiology.

**Certifications:** OSHA, BLS/CPR, patient care technician

#### Central sterilization technician

Central sterilization technicians are trained healthcare workers who use their skills to clean and sterilize medical instruments, equipment and supplies. They work with patients and health professionals, operate sophisticated computer equipment and observe patient protection measures.

**Certifications:** OSHA, BLS/CPR, sterile processing and distribution

#### Pharmacy technician

Students learn about drug classifications, action and administration, as well as ethical and legal issues, safety and the impact of pharmaceuticals on the medical industry. Pharmacy technician skills are acquired through a pharmacy externship.

**Certifications:** OSHA, BLS/CPR, pharmacy technician

#### Biomedical science

Students take three Project Lead the Way courses as part of a coherent sequence of biomedical courses. They learn the fundamentals of biomedical science and work with leaders in the community to experience clinical and research careers.

**Certifications:** Biotechnician assistant

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### CEEB code

442492

### Key staff

### Mission statement

The mission of the Texas Academy of Biomedical Sciences is to provide students from the greater Fort Worth area with a rigorous curriculum in an early college environment, demands of a career in biomedical sciences, and to promote experiences associated with those careers.

### Enrollment profile Grades 9-12

Total enrollment. . . . . 363

#### Race and ethnicity

African-American . . . . . 19.3%  
Asian . . . . . 4.4%  
Latino/a/e, nonwhite . . . . . 3.8%  
Latino/a/e, white. . . . . 66.9%  
White, non-Latino/a/e . . . . . 9%

#### Economically

disadvantaged . . . . . 71.9%

*Texas Academy of Biomedical Sciences*  
Campus profile 2022 – 2023

*Points of Pride*

# 2020 National Blue Ribbon School



**91%** TEA accountability rating for 2022, with distinctions in science, mathematics and postsecondary readiness

### Class of 2022

- ◆ Graduation rate: 100 percent
- ◆ TSI-met rate: 93 percent
- ◆ Biotechnician assistant certifications: 3
- ◆ Patient care technician certifications: 26
- ◆ Pharmacy technician certifications: 16
- ◆ Sterile processing and distribution certifications: 2

### Advanced courses

#### Honors courses ◆ Total offered: 19

- |                       |                                |
|-----------------------|--------------------------------|
| Algebra I and II      | Physics                        |
| Biology               | Pharmacy tech                  |
| Chemistry             | Principles of health science   |
| English I, II and III | Scientific Research and Design |
| Geometry              | II and III                     |
| Health Science I      | Spanish III                    |
| Pathophysiology       | Spanish VI                     |
| Patient care          | U.S. History                   |

#### Honors Project Lead the Way courses ◆ Total offered: 3

- |                      |                                  |
|----------------------|----------------------------------|
| Human body systems   | Principles of biomedical science |
| Medical intervention |                                  |

#### Advanced Academic Immersion (A<sup>2</sup>I)<sup>1</sup>

- |   |  |
|---|--|
| A.P. Physics C: mechanics                 | Linear algebra   |
| A.P. Physics C: electricity and magnetism | Math computer simulations                              |
| Astrophysics                              | Modern physics   |
| Calculus-based statistics                 | Multivariable calculus                                 |
| Electrical circuit theory                 | Ordinary differential equations and their applications |

#### Dual-credit courses

- |  |                                  |
|--|----------------------------------|
| American Literature I and II             | General psychology               |
| Anatomy and Physiology I and II          | Humanities                       |
| Art and Design I and II                  | Introduction to sociology        |
| Art appreciation                         | Lifespan development             |
| Biology for Non-Science Majors I and II  | Music appreciation               |
| Biology for Science Majors I and II      | Physical fitness and wellness    |
| Calculus I, II and III                   | Precalculus                      |
| Central Sterile Processing I, II and III | Professional communications      |
| Chemistry I and II                       | Scientific Research and Design I |
| College algebra                          | Spanish I and II                 |
| College Physics I and II                 | Statistics                       |
| College transitions                      | Technical writing                |
| Communication applications               | Texas government                 |
| Economics                                | Theatre                          |
| English Composition I and II             | U.S. History I and II            |
| Federal government                       | World Civilization I and II      |

#### A.P. courses<sup>2</sup> ◆ Total offered: 7

- |                       |                                |
|-----------------------|--------------------------------|
| Biology               | Human geography                |
| Calculus AB           | Spanish language and culture   |
| Calculus BC           | Spanish literature and culture |
| Environmental science |                                |

### Class of 2022 information

#### Percentage breakdown

- 98 graduates
- ◆ Top 5 percent have a GPA of 4.75 or higher
  - ◆ Top 10 percent have a GPA of 4.67 or higher
  - ◆ Top 25 percent have a GPA of 4.41 or higher

#### Post-high school plans<sup>3</sup>

- ◆ Four-year university: 75.5 percent
- ◆ Two-year college or trade school: 10 percent
- ◆ Military or employment: 1 percent
- ◆ Undecided or gap year: 14 percent

#### Grading scale<sup>4</sup>

The Fort Worth Independent School District categorizes and weights courses as Tier I, Tier II and Tier III. Tier I includes Advanced Placement and dual-credit courses. Tier II includes honors courses. Tier III consists of any course not in Tier I or Tier II. This is generally referred to as an “on-level” course.

Grade	Tier I	Tier II	Tier III
97–100	5.0	4.5	4.0
94–96	4.8	4.3	3.8
90–93	4.6	4.1	3.6
87–89	4.4	3.9	3.4
84–86	4.2	3.7	3.2
80–83	4.0	3.5	3.0
77–79	3.8	3.3	2.8
74–76	3.6	3.1	2.6
71–73	3.4	2.9	2.4
70	3.0	2.5	2.0

<sup>1</sup>A<sup>2</sup>I advanced courses are taken by fewer than 1 percent of TABS students.

<sup>2</sup>Most students take two to three A.P. courses during their time at TABS, and most students attempt to earn an A.A. or A.S. degree.

<sup>3</sup>The percentage of students with firm post-high school plans is significantly lower than normal because of the COVID-19 pandemic.

<sup>4</sup>The Fort Worth Independent School District ranks all graduates. Transcripts with ranking information omitted are available upon request. Rank is determined based on a 4.0 weighted scale and includes all courses taken in high school, with the exception of courses taken online or credit received. Beginning with the 2024 graduating class, GPA will be determined by the eight highest eligible semester grades earned in English, mathematics, science and social studies courses taken during grades 9 through 12.