

# Texas Academy of Biomedical Sciences

## Campus profile 2023 – 2024

### 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.

### College readiness exam results

SAT School Day, March 2023 (class of 2024)

	TABS	District	State	Globe
Total mean	981	872	956	952
ERW mean	498	446	486	489
Math mean	483	426	471	463

### 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

### Related accomplishments

	2020	2021	2022	2023
30-plus college hours	99%	96%	91%	79%
Associate of arts	57	52	57	46
Associate of science	30	13	19	11

### Advanced Placement

In 2023, 185 students took a total of 206 A.P. exams in eight courses. Of those exams, 49 percent scored a 3 or higher.

### 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

Jack Henson  
principal

Phillip Anderson  
assistant principal

Johanah Okweni  
success coach

Tammy Asbury  
counselor

Sandra Muñoz  
counselor

Brian Wooddell  
postsecondary  
success specialist

Melissa Baltazar  
college and career  
readiness coach

### 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, to prepare them for the demands of a career in biomedical sciences and to promote experiences associated with those careers.

### Enrollment profile

#### Grades 9-12

Total enrollment . . . . . 370

#### Ethnicity and race

African-American only . . . . 14.1%  
Asian only . . . . . 4.6%  
Latino, nonwhite . . . . . 3%  
Latino, white . . . . . 68.9%  
Multiracial, non-Latino . . . . >1%  
White, non-Latino . . . . . 8.4%

#### Economically

disadvantaged . . . . . 71.4%

*Texas Academy of Biomedical Sciences*  
Campus profile 2023 – 2024

*Points of Pride*

# 2020 National Blue Ribbon School



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

## Class of 2023

- ♦ Graduation rate: 100 percent
- ♦ TSI-met rate: 74 percent
- ♦ Biotechnician assistant certifications: 4
- ♦ Patient care technician certifications: 20
- ♦ Pharmacy technician certifications: 9
- ♦ Sterile processing and distribution certifications: 5

## 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
Geometry	and Design 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 ♦ Total offered: 50

Acting I	General psychology
American Literature I and II	Introduction to humanities I
Anatomy and Physiology I and II	Introduction to physical fitness and wellness
Art and Design I and II	Introduction to sociology
Art appreciation	Introduction to speech communication
Beginning Spanish I and II	Learning framework
Biology for Non-Science Majors I and II	Life span growth and development
Biology for Science Majors I and II	Music appreciation
Business and professional communication	Organic Chemistry I and II
Calculus I, II and III	Personal and community health
Central Sterile Processing I, II and III	Pre-calculus math
College algebra	Principles of macroeconomics
College Physics I and II	Technical and business writing
Composition I and II	Texas government
Design I and II	Theater appreciation
Elementary statistical methods	United States History I and II
Federal government	World Civilizations I and II
General Chemistry I and II	

### A.P. courses<sup>2</sup> ♦ Total offered: 8

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

## Class of 2023 information

### Percentage breakdown

78 graduates

- ♦ Top 5 percent have a GPA of 4.72 or higher
- ♦ Top 10 percent have a GPA of 4.63 or higher
- ♦ Top 25 percent have a GPA of 4.38 or higher

### Post-high school plans

- ♦ Four-year university: 72 percent
- ♦ Two-year college or trade school: 14 percent
- ♦ Military or employment: 2.5 percent
- ♦ Undecided or gap year: 11.5 percent

### Grading scale<sup>3</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 Fort Worth Independent School District ranks all graduates. Transcripts with ranking information omitted are available upon request. Class rank will be determined by descending order of a student’s weighted grade point average points earned in eligible courses that satisfy a student’s graduation plan in the following curriculum categories: English, mathematics, science and social studies. The calculation of class rank excludes grades earned in or through local credit courses, credit by examination and distance learning.