Texas Academy of Biomedical Sciences
Campus profile 2020 – 2021

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

College readiness exam results
PSAT/NMSQT October 2019 (class of 2021)

<table>
<thead>
<tr>
<th></th>
<th>TABS</th>
<th>District</th>
<th>State</th>
<th>Nation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total mean</td>
<td>1074</td>
<td>870</td>
<td>955</td>
<td>1004</td>
</tr>
<tr>
<td>ERW mean</td>
<td>541</td>
<td>433</td>
<td>482</td>
<td>509</td>
</tr>
<tr>
<td>Math mean</td>
<td>533</td>
<td>438</td>
<td>473</td>
<td>494</td>
</tr>
</tbody>
</table>

SAT School Day Test 2020 (class of 2021)

<table>
<thead>
<tr>
<th></th>
<th>TABS</th>
<th>District</th>
<th>State</th>
<th>Nation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total mean</td>
<td>1097</td>
<td>901</td>
<td>969</td>
<td>961</td>
</tr>
<tr>
<td>ERW mean</td>
<td>541</td>
<td>450</td>
<td>486</td>
<td>484</td>
</tr>
<tr>
<td>Math mean</td>
<td>556</td>
<td>451</td>
<td>483</td>
<td>476</td>
</tr>
</tbody>
</table>

Advanced Placement
In 2020, students took a total of 193 A.P. exams in 10 courses. The average score was a 2.6, with 49 percent of exams scoring 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. These technicians 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

Related accomplishments

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>30-plus college hours</td>
<td>88%</td>
<td>99%</td>
<td>100%</td>
<td>99%</td>
</tr>
<tr>
<td>Associate of arts</td>
<td>52</td>
<td>49</td>
<td>66</td>
<td>57</td>
</tr>
<tr>
<td>Associate of science</td>
<td>5</td>
<td>19</td>
<td>22</td>
<td>30</td>
</tr>
</tbody>
</table>

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 .. . . . . .366
Race and ethnicity
Hispanic . . . . . . . . . . . . . . . . . . . . . .67%
African-American . . . . . . . . . . . . . . . .15.8%
White . . . . . . . . . . . . . . . . . . . . . .11.5%
Asian . . . . . . . . . . . . . . . . . . . . . .3%
Two or more/other . . . . . . . . . . . . . . .2.7%
Economically disadvantaged . . . . . . . .62.2%

Key staff
Jack Henson
principal
Andy Smith
assistant principal
Tammy Asbury
counselor
Sandra Muñoz
counselor
Brian Wooddell
post-secondary success specialist
Texas Academy of Biomedical Sciences
Campus profile 2020–2021

Points of Pride
2020 National Blue Ribbon School

98 percent  $5.8 million
2019 TEA accountability rating  Scholarship offers for the 2020 class

• Ranked No. 62 among Texas high schools and No. 393 in the nation by U.S. News & World Report
• State HOSA qualifiers: 43
• Four students sent to HOSA International Leadership Conference.

Class of 2020
• Graduation rate: 100 percent
• TSI passing rate: 99 percent
• Patient Care certifications: 5

Advanced courses
Pre-A.P. and honors courses • Total offered: 22
English I, II and III  Spanish VI
Algebra I and II  Latin III
Geometry  French III
Advanced quantitative reasoning  Health Science I
Biology  Microbiology
Chemistry  Pathophysiology
Physics  Principles of health science
U.S. History  Pharmacy tech
Spanish III  Patient care
Scientific research and design II

Honors Project Lead the Way courses • Total offered: 4
Principles of biomedical science  Human body systems
Medical intervention  Scientific Research and Design III

A.P. courses* • Total offered: 9
Biology  Human geography
Calculus AB  Latin IV
Calculus BC  Spanish language and culture
Environmental science  Spanish literature and culture
French IV

Dual-credit courses
American Literature I and II
Anatomy and Physiology I and II
Art and design
Art Appreciation
Biology for non-science majors
Biology for science majors
Calculus I, II and III
Central Sterile Processing I, II and III
Chemistry I and II
College algebra
College Physics I and II
College Transitions
Communication applications
Economics
English Composition I and II

Advanced Academic Immersion (A²I)™
AP Physics C: mechanics
AP Physics C: electricity and magnetism
Astrophysics
Math computer simulations

*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.
**A²I advanced courses are taken by fewer than 1 percent of TABS students.

Class of 2020 grade point average and class rank
Percentage breakdown
92 graduates
• Top 5 percent have a GPA of 4.64 or higher
• Top 10 percent have a GPA of 4.6 or higher
• Top 25 percent have a GPA of 4.45 or higher

Post-high school plans
• Four-year university: 91 percent
• Two-year college or trade school: 3 percent
• Military or employment: 2 percent
• Undecided or gap year: 3 percent

Note: The Fort Worth Independent School District ranks all graduates. Transcripts with ranking information omitted are available upon request.

Grading scale
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 pre-A.P. and 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.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Tier I</th>
<th>Tier II</th>
<th>Tier III</th>
</tr>
</thead>
<tbody>
<tr>
<td>97–100</td>
<td>5.0</td>
<td>4.5</td>
<td>4.0</td>
</tr>
<tr>
<td>94–96</td>
<td>4.8</td>
<td>4.3</td>
<td>3.8</td>
</tr>
<tr>
<td>91–93</td>
<td>4.6</td>
<td>4.1</td>
<td>3.6</td>
</tr>
<tr>
<td>87–90</td>
<td>4.4</td>
<td>3.9</td>
<td>3.4</td>
</tr>
<tr>
<td>84–86</td>
<td>4.2</td>
<td>3.7</td>
<td>3.2</td>
</tr>
<tr>
<td>81–83</td>
<td>4.0</td>
<td>3.5</td>
<td>3.0</td>
</tr>
<tr>
<td>77–80</td>
<td>3.8</td>
<td>3.3</td>
<td>2.8</td>
</tr>
<tr>
<td>74–76</td>
<td>3.6</td>
<td>3.1</td>
<td>2.6</td>
</tr>
<tr>
<td>71–73</td>
<td>3.4</td>
<td>2.9</td>
<td>2.4</td>
</tr>
<tr>
<td>70</td>
<td>3.0</td>
<td>2.5</td>
<td>2.0</td>
</tr>
</tbody>
</table>