BIOMEDICAL SCIENCE & TECHNOLOGY ACADEMY

BST ACADEMY

at Chino High School

Class of 2029 BST Bound

Freshmen Counseling Session

John Miller
Principal

Cindy Palacios
Assistant Principal

Lucia Gibbs
Counselor

BST Mission & Vision

Mission Statement

The Biomedical Science and Technology Academy is committed to preparing our graduates to contribute, excel, and innovate in high demand technical professions and higher education endeavors. It seeks to fulfill this mission through a four-year rigorous academic program that embraces collaboration and inquiry with a pervasive commitment for excellence.

Vision Statement

The Biomedical Science and Technology Academy is a community that inspires curiosity, creativity, and critical thinking through a foundation of science and technology. We envision a future where our students are empowered to confidently navigate complex challenges and contribute meaningfully to a rapidly advancing world. Through cutting-edge curriculum and resources, hands-on experiences, and a culture of i^3, innovation, investigation, and invention, we foster lifelong learners who embrace scientific inquiry and technological advancement. We are committed to equipping our students with the knowledge and skills necessary to excel in the digital age, and to cultivate a passion for discovery and problem-solving that will drive progress for generations to come.

BST PROGRAM

- **Leading edge knowledge in emerging careers with a focus on i^3: innovation, investigation, and invention**

- **Full range of Advanced Placement course offerings**

- **Core Specialty Courses within the Biomedical Science and Cyber Security branches**

- **Meet University of California and California State University admissions requirements and qualify for top tier universities**

Biomedical Science: Concentration in Artificial Intelligence

- **Cross-disciplinary program with a concentration in Artificial Intelligence**

- **Intersection of medicine and technology**

- **Driven by math, biology, chemistry, and neurology**

Cyber Security: Information & Communication Technology

- **Vital, emerging field responsible for keeping company and government networks and information systems secure**

- **Highly sought-after knowledge and skill set**

- **Focus on technology and computer science**

Core Specialty Courses

Biomedical Science: A.I.

- A.I. in Medicine Honors
- Human A&P Honors
- AP Biology
- AP Chemistry
- AP US Government
- AP US Economics
- AP Seminar: Biomedical Science
- AP Research: Artificial Intelligence
- AI Design & Development

Cyber Security

- Cybersecurity Honors
- Advanced Cybersecurity Honors
- AP Computer Science Applications
- AP Computer Science Principles
- AP Physics
- AP US Government
- AP US Economics
- AP Research: Computer Science
- AP Seminar: Computer Science
- Web Application Design & Development

Biomedical Science
Concentration in *Artificial Intelligence*

Optional Summer Non-credit

Self-paced, online, non-graded enrichment courses:

- Data Science with Python (20 hours)
- Intro to Artificial Intelligence (20 hours)

Career

BST's one-of-a-kind revolutionary Biomedical Science branch is a groundbreaking cross-disciplinary program with a concentration in Artificial Intelligence driven by math, science, and medicine. Through a hands-on approach, students pull ahead of the competition in this emerging field by immersion in research, AI in medicine, and medical internship opportunities.

Year 1

- AP Human Geography
- English 9 Honors
- Integrated Mathematics 2 Honors
- AP Biology
- AP Computer Science Principles
- World Language 1

Other available courses:
- Band
- Leadership
- Theatre

Summer Internship (optional)

Year 2

- AP European History
- AP Seminar
- Integrated Mathematics 3 Honors
- Artificial Intelligence in Medicine Honors
- Human Anatomy and Physiology Honors
- World Language 2

Other available courses:
- Band
- Leadership
- Theatre

Summer Internship (optional)

Year 3

- AP United States History
- AP English Language and Composition
- AP Calculus AB
- AP Chemistry
- AP Research
- World Language 3 Honors

Other available courses:
- Band
- Leadership
- Theatre

Summer Internship (optional)

Year 4

- AP Government
- AP Economics or Economics Honors
- AP English Literature and Composition
- AP Calculus BC or AP Statistics
- AI Design and Development
- Health

Other available courses (with space available):
- AP World Language and Culture
- AP Psychology
- AP Computer Science Applications
- AP Environmental Science
- AP Physics 1
- Band
- Leadership
- Theatre

Cyber Security
Information and Communication Technology

Optional Summer Non-credit	Year 1	Year 2	Year 3	Year 4
Self-paced, online, non-graded enrichment courses: • Data Science with Python (20 hours) • Intro to Artificial Intelligence (20 hours)	• AP Human Geography • English 9 Honors • Integrated Mathematics 2 Honors • AP Biology • AP Computer Science Principles • World Language 1	• AP European History • AP Seminar • Integrated Mathematics 3 Honors • AP Computer Science Applications • Cyber Security Honors • World Language 2	• AP United States History • AP English Language and Composition • AP Calculus AB • AP Physics 1 • Advanced Cyber Security Honors • World Language 3 Honors	• AP Government • AP Economics or Economics Honors • AP English Literature and Composition • AP Calculus BC or AP Statistics • AP Research • Web Application Design and Development • Health

Career

Students who choose this branch will be immersed in the vital emerging field of Cyber Security and be part of a highly sought-after group of experts responsible for keeping company and government networks and information systems safe and secure. Optional CISCO industry certifications are available through this pathway.

Year 1

Other available courses:
• Band
• Leadership
• Theatre

Summer Internship (optional)

Year 2

Other available courses:
• Band
• Leadership
• Theatre

Summer Internship (optional)

Year 3

Other available courses:
• Band
• Leadership
• Theatre

Summer Internship (optional)

Year 4

Other available courses (with space available):
• AP World Language and Culture
• AP Psychology
• AP Statistics
• AP Environmental Science
• AP Chemistry
• Band
• Leadership
• Theatre

NEW STUDENT COUNSELING SESSION

BST Counselors: Lucia Gibbs and Dorie Prieto

- **BST Program & Pathways**
- **Counseling Services**
- **Graduation Requirements**
- **UC/CSU A-G Requirements**
- **9th Grade Course of Study**
- **Course Selection**

COUNSELING SERVICES

Counselors are committed to student success and growth.

ACADEMIC

4-Year Plan

Academic Monitoring

COLLEGE & CAREER

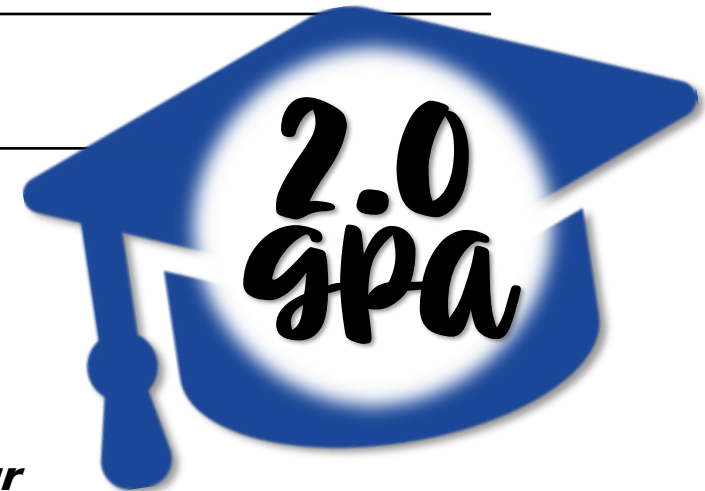College Admissions
Career Exploration

SOCIAL/EMOTIONAL

Group
Individual

Graduation Requirements

225 REQUIRED CREDITS

Credits	Subject
40 credits	English
30 credits	Mathematics
20 credits	Science
20 credits	VAPA/World Language
30 credits	Social Science
20 credits	P.E. *
5 credits	Health
60 credits	Electives

2.0 GPA

* Will be addressed after completion of sophomore year

UC/CSU A-G REQUIREMENTS

Students must complete each course with a grade of "C" or better to meet minimum requirements for the University of California (UC) and California State University (CSU) systems.

A — History/Social Science
2 Years Required

B — English
4 Years Required

C — Mathematics
3 Years Required; 4 Years Rec.

D — Laboratory Science
2 Years Required; 3 Years Rec.

E — Language Other Than English
2 Years Required; 3 Years Rec.

F — Visual and Performing Arts
1 Year Required

G — College Preparatory Electives
1 Year Required

UC and CSU Systems
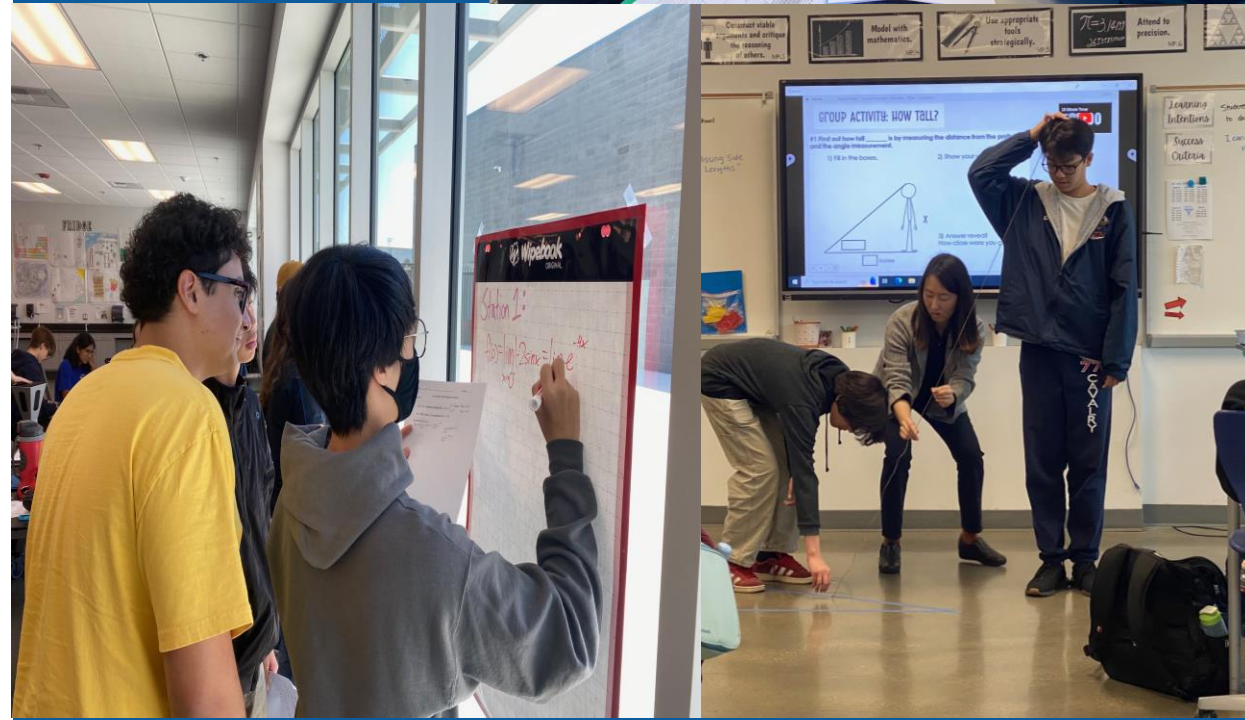
University of California

- **UC Berkeley**
- **UC Davis**
- **UC Irvine**
- **UCLA**
- **UC Merced**
- **UC Riverside**
- **UC San Diego**
- **UC Santa Barbara**
- **UC Santa Cruz**

California State University

- **CSU Bakersfield**
- **CSU Channel Islands**
- **CSU Chico**
- **CSU Dominguez Hills**
- **CSU East Bay**
- **CSU Fresno**
- **CSU Fullerton**
- **Humboldt State University**
- **CSU Long Beach**
- **CSU Los Angeles**
- **CSU Maritime Academy**
- **CSU Monterey Bay**

- **CSU Northridge**
- **Cal Poly Pomona**
- **CSU Sacramento**
- **CSU San Bernardino**
- **San Diego State University**
- **San Francisco State University**
- **San Jose State University**
- **Cal Poly San Luis Obispo**
- **CSU San Marcos**
- **Sonoma State**
- **CSU Stanislaus**

9th Grade Coursework

- AP Human Geography

- English 9 Honors

- Integrated Mathematics 2 Honors *or* Integrated Mathematics 3 Honors

- AP Biology

- AP Computer Science Principles

- World Language or Elective

9TH GRADE ELECTIVE SELECTION

9th grade Course Selection

OPTIONAL NON-CREDIT SUMMER COURSE OFFERINGS:

Sign Up for Optional Non-credit Summer courses

Visit the BST Website for information!