

Frederick High

School Profile



FOCUS

P-TECH, Biopharmaceuticals, STEM, BioMedical, CU Succeed

CONTACT INFORMATION

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ACCREDITATION

Rated at **Performance** by the Colorado Department of Education

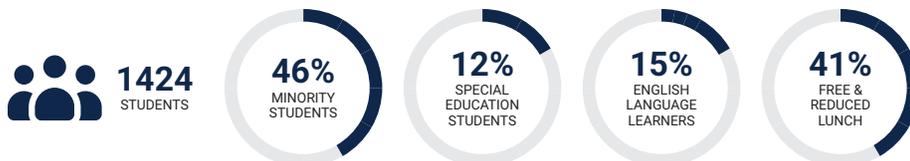


District Overview

St. Vrain Valley Schools is the educational home of more than 32,000 of Colorado's students. St. Vrain Valley is the seventh largest school district in the state and operates 57 schools and programs that are spread over 411 square miles serving 13 geographically diverse communities. All traditional schools in St. Vrain are accredited at the two highest levels with some of the most rigorous graduation requirements in Colorado. St. Vrain Valley Schools is preparing students for the future by giving them a strong competitive advantage that will empower their success in a complex, globalized economy. The district offers 70 Instructional Focus Programs including: Energy, STEM, Engineering and Aerospace, Medical and BioScience, International Baccalaureate, and Leadership.

School Overview

The Frederick High School (FHS) community creates and embodies a spirit of integrity, collaboration and acceptance. We foster a commitment to high expectations, rigor and achievement in all pursuits through strong relationships with students. PTECH courses allow students to earn an Associates of General Studies through Aims Community College at no cost to the student. Additionally, PTECH students will be provided with career mentors and internships through this program. Through a partnership with the Aims Community College, Front Range Community College, University of Colorado Denver, and Colorado State University students have the opportunity to take college courses at Frederick High, earning both high school and college credit concurrently. Frederick also offers a four-year Biomedical Science focus, in which students explore the roles of biomedical professionals, engage in real-world cases, and design solutions to today and tomorrow's most pressing health challenges.



Student Achievement

- The SAT composite score for our 2025-2026 seniors was 986.
- The number of College Credits earned by students in 2024-2025 was over 5200.
- Students can earn high school credit and up to 82 transferable college credits from CU Denver in addition to AP classes and courses through Front Range Community College and AIMS Community College.
- Students have the option to take over 100 college credits taught by Frederick High School staff.
- Students participate in an advisory program, allowing time to plan and prepare for postsecondary opportunities, connect with teachers weekly and complete an Individual Career and Academic Plan (ICAP).
- Over 85% percent of students participate in arts, activities and/or athletics.
- FHS is home to All-State musicians, vocalists and three annual theatrical performances.
- Frederick High continues to expand curricular opportunities in science, business, entrepreneurship and computer science.

Academic Programming and College Credit Options

Advanced Placement (AP): 21 weighted grade courses
Concurrent Enrollment Options: AIMS CC, Colorado State University, CU Denver, Front Range CC
Honors Courses: Offered throughout 9th and 10th grade
Innovation Center and the Career Elevation and Technology Center: Internship opportunities and certification programs are offered at these district learning centers.

Biomedical Science Focus: Students explore the roles of biomedical professionals and engage in real-world health cases.
EagleTECH: Students have the opportunity to earn an Associate degree focusing on biochemistry from Aims Community College at no cost to the student, concurrently with a high school diploma.

Graduation Requirements

24.5 TOTAL CREDITS REQUIRED
AMONG THE MOST RIGOROUS
IN COLORADO

English	4.0
Math	3.0
Science	3.0
Social Studies	3.0
Fine Arts	0.5
Practical Arts	0.5
Physical Education	2.0
Health	0.5
Electives	8.0
Financial Literacy	0.5

Transcript Notations

- Includes both unweighted and weighted cumulative GPA
- Rank in class is determined by students' cumulative GPA, which includes classes taken at the college level. Every grade, except P and S, in grades 9-12 is used in calculating rank
- A (TR) indicates credit transferred from another institution
- A (PS) indicates a dual credit college course taken through concurrent enrollment with Front Range Community College, e.g. FRCC English 1021
- Weighted grades are earned in courses designated as Honors or Advanced Placement using the following grading scale:

UNWEIGHTED	HONORS	ADVANCED PLACEMENT
A 4.0	A 4.5	A 5.0
B 3.0	B 3.5	B 4.0
C 2.0	C 2.5	C 3.0
D 1.0	D 1.5	D 2.0
F 0.0	F 0.0	F 0.0

79% OF FREDERICK HIGH SCHOOL STUDENTS ATTEND A 2 OR 4 YEAR UNIVERSITY

Frederick High School Alumni have graduated from:

- University of Notre Dame
- United States Military Academy at West Point
- United States Air Force Academy
- University of Massachusetts
- Tulane University
- University of Southern California
- Colorado School of Mines

College Preparatory Curriculum

The following courses are offered at Frederick High School. Specific Honors, and Advanced Placement (AP) classes are listed in separate columns. AP courses are considered the most difficult courses available for each subject area in which they are offered.

Traditional Offerings	College Prep & Honors	Advanced Placement
ENGLISH		
English 9 English 10 English 11 English 12 Mystery and Suspense Literature Science Fiction Mass Media Mythology	Honors English 9	AP English Language AP English Literature AP Seminar CU Succeed Fiction Writing CU Succeed Intro to Fiction CU Succeed Literary Studies CU Succeed Philosophy and Literature
SOCIAL STUDIES		
Integrated World Geography/History 9 U.S. History 10 U.S./CO Government 11 Psychology/Sociology Police Academy Personal Finance Literacy		AP European Government AP U.S. History AP Human Geography AP Comparative Government AP U.S. Government (CU) AP Psychology (CU) CU Intro to Sociology CU Intro to Inequalities AIMS Cultural Anthropology
SCIENCE (ALL LAB BASED)		
Biology Chemistry Physics Anatomy & Physiology Geology Astronomy	Honors Biology Honors Chemistry	AP Biology AP Chemistry (CU) AP Environmental Science (CU) AP Physics 1 (CU) Biomedical Program CSU Medical Terminology CSU Anatomical Case Studies with VR CSU Biomedical Engineering
MATHEMATICS		
Algebra 1 Geometry Algebra 2 Trig/PreCalculus Statistics Finite Math	Honors Geometry Honors Algebra 2	AP Calculus AB AP Statistics FRCC College Algebra
WORLD LANGUAGES		
Spanish 1-4 Spanish for Spanish Speakers Mandarin Chinese 1-3 French 1-3		AP Spanish Language
ARTS		
		AP Music Theory AP 2D Studio Art AIMS Art History CU Succeed Intro to Digital Photography CU Succeed Painting CU Succeed Drawing

Instructional Focus

- 17 Advanced Placement Courses
- The Biomedical Science program prepares students for various college and career pathways in biomedical fields through partnerships with CSU, the Innovation Center and local industry professionals.
- Pathways in Technology Early College High School (P-TECH) is a model that allows students to earn a high school diploma, as well as a no-cost Associates Degree focusing on biochemistry from Aims Community College.
- STEM program featuring a rich Fine Arts program, with an annual fall musical that involves over 100 student actors, orchestra musicians, stage technicians and audio/visual engineers.
- Comprehensive elective offerings in Business, Spanish, Mandarin Chinese and Performing Arts.

Technology Focus

- All students have access to personal, full-sized iPads.
- Technology infused courses including Programming, Web Design, Marketing, Graphic Design, Video Production and Music Technology.
- Interactive Media and Information Technology with threads of study including Programming, Video Production, Digital Art, Graphic Design and Music Technology
- Access to Innovation Center course offerings
- Students engage with instructional technology daily, across all content areas and academic departments.