

# Erie High School Profile

## FOCUS

Academy of Engineering and Aerospace, AP Capstone Diploma

## CONTACT INFORMATION

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## ACCREDITATION

Rated at **Performance**, Colorado Department of Education's highest level; **Accredited with Distinction**



## 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

Erie High School (EHS) offers rigorous academic programs that prepare students to be college and career ready by providing students with the opportunity to conduct collegiate level work, earn college credits and forge potential career networking opportunities. Erie High School is home to the Engineering and Aerospace Academy and is an Advanced Placement Focus School. *Because of the diverse learning opportunities provided to students, Erie High School was chosen by the College Board to host one of the first AP Capstone programs in the state of Colorado*. Erie High ranked in the top 20 percent of *U.S. News & World Report's* 2020 profile of Best Public High Schools in America. Students at Erie High School take achievement to the next level in the classroom, on the performing arts stage, and in the athletic arena.

## Student Achievement

- During the 2022-2023 academic year, 826 EHS students took one or more AP classes.
- In the spring of 2022, EHS students took 904 AP exams.
- The SAT composite score for 2022-2023 seniors was 1082.
- In the spring of 2023, 73% of EHS freshman, 82% of sophomores, and 80% of juniors met college readiness benchmarks on the PSAT Evidence Based Reading and Writing portion of the exam.
- EHS students can earn 65 hours of college credit by participating in these options: 25 College Board Advanced Placement courses, 10 Front Range Community College courses and CU Succeed's college credit program.
- Students have received state and national recognition, including Boettcher Scholars finalists, National Merit Scholar finalists and appointments to the armed services academies.
- Erie High boasts several successful athletic and performing arts programs, including a nationally ranked girls softball team and many state championships and recognitions in athletics, choral, jazz band, and visual and performing arts.
- EHS is home to the Erie Tiger Network, a nationally recognized student broadcasting program.

 1773 STUDENTS

22%  
MINORITY STUDENTS

7%  
SPECIAL EDUCATION STUDENTS

2%  
ENGLISH LANGUAGE LEARNERS

10%  
FREE & REDUCED LUNCH



## Academic Programming and College Credit Options

**Advanced Placement (AP):** 26 weighted grade courses.

**Concurrent Enrollment Options:** Front Range Community College, CU Succeed, and Aims Community College.

**Innovation Center and the Career Elevation and Technology Center:** Internship opportunities and certification programs are offered at these district learning centers.

**Engineering and Aerospace Academy:** A four-year program with the option for students to pursue either an engineering or aeronautic pathway.

# Graduation Requirements

24.5 TOTAL CREDITS REQUIRED  
AMONG THE MOST RIGOROUS  
IN COLORADO

English	4.0
Math	3.0
Science	3.0
Social Studies	3.5
Fine Arts	0.5
Practical Arts	0.5
Physical Ed.	2.0
Health	0.5
Electives	7.5

# Transcript Notations

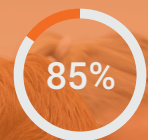
- Includes both unweighted and weighted cumulative GPA
- Rank in class is determined by students' cumulative GPA, which includes classes taken at the college level. Every grade, except P and S, in grades 9-12 is used in calculating rank.
- A (TR) indicates credit transferred from another institution
- A (PS) indicates a dual credit college course taken through concurrent enrollment with the University of Colorado-Boulder, e.g. CU Gen. Psych or Front Range Community College, e.g. FRCC English 121.
- Weighted grades are earned in courses designated as Honors or Advanced Placement using the following grading scale:

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

# College Preparatory Curriculum

The following courses are offered at Erie High School. Specific College Preparatory (CP), 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
<b>ENGLISH</b>		
English 9 English 10 English 11 English 12 Speech & Debate Creative Writing Young Adult Novels Mythology	Honors English 9 CP English 12	AP English Language AP English Literature AP Seminar AP Research
<b>SOCIAL STUDIES</b>		
World Geography/History 9 U.S. History U.S./CO Government U.S. Military History		AP Human Geography AP U.S. History AP Government & Politics AP European History AP Macroeconomics AP Microeconomics
<b>SCIENCE (ALL LAB BASED)</b>		
Biology Anatomy & Physiology Chemistry Geology	Honors Biology Honors Chemistry CP Physics	AP Biology AP Chemistry AP Environmental Science AP Physics 1/Alg based AP Physics 2
<b>MATHEMATICS</b>		
Algebra 1 Geometry Algebra 2 Statistics Finite Math Trig/Pre-Calculus	Honors Geometry Honors Algebra 2 Honors Trig/Pre-Calculus	AP Calculus AB AP Calculus BC AP Statistics
<b>WORLD LANGUAGES</b>		
French Spanish Mandarin Chinese		AP French AP Chinese
<b>FINANCIAL LITERACY</b>		
Personal Financial Literacy		AP Art History AP 2D Studio Art AP 3D Studio Art
<b>ERIE ACADEMY OF ENGINEERING AND AEROSPACE</b>		
Pre-Aerospace CAD Drafting 1 and 2 Intro to Engineering Intro to Programming Aerospace Engineering Engineering Senior Design		AP Computer Science Principles AP Computer Science
<b>VIEW AERONAUTICS PATHWAY (CLASSES AT THE INNOVATION CENTER)</b>		
Aviation Discovery UAS Flight Concepts & Training UAV Engineering & Design		<b>MUSIC</b> AP Music Theory



OF ERIE HIGH SCHOOL STUDENTS ATTEND A 2 OR 4 YEAR UNIVERSITY

Erie High School Alumni have graduated from:

- Colorado College
- Colorado School of Mines
- Harvard University
- Rochester Institute of Technology
- Stanford University
- University of Denver
- University of Pennsylvania

# Instructional Focus

- 25 Advanced Placement Classes
- Honors courses offered throughout 9th and 10th grade
- World Languages in French, Spanish, and Mandarin Chinese
- Erie Academy of Engineering and Aerospace
- AP Capstone™ diploma program
- Beginning, advanced and AP courses offered in performing and fine arts.

# Innovation Focus

- All students have access to personal iPads.
- Courses that support innovation include Robotics, Senior Design, CAD 1 & 2, AP Computer Science, AP Computer Science Principles. We offer robust digital art opportunities, broadcast journalism, and engineering courses that earn students industry certifications.
- Students have access to 3D printers, Flight Simulators, Drones, and other cutting edge engineering tools
- All students can enroll in courses offered at the district's Innovation Center where they can work on research and development projects that will prepare them for future careers in STEM.