

Erie High School Profile

FOCUS

Academy of Engineering and Aerospace,
AP Capstone Diploma

CONTACT INFORMATION

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ACCREDITATION

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



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 our students, Erie High School was chosen by the College Board to host one of the first AP Capstone programs in the Colorado.** Students at Erie High School take achievement to the next level in the classroom, on the performing arts stage and in the athletic arena.

 **1345**
STUDENTS



Student Achievement

- The SAT composite score for our 2018-2019 seniors was 1082.
- During the 2017-2018 academic year, 529 EHS students took one or more AP classes.
- In the spring of 2018, EHS students took 770 AP exams administered.
- In the spring of 2017, 80 percent of EHS sophomores 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: 18 College Board Advanced Placement courses, 8 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.



Academic Programming and College Credit Options

Advanced Placement (AP): 18 weighted grade courses

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

Innovation Center and Career Development Center: Internship opportunities and certification programs are offered at these district learning centers.

Engineering and Aerospace Academy: Two Associate Degree options in Piloting and Unmanned Drone Piloting

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 Ed.	2.0
Health	0.5
Electives	8.0

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 | 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 |



85% OF ERIE HIGH SCHOOL STUDENTS ATTEND A 2 OR 4 YEAR UNIVERSITY

Erie High School Alumni have graduated from:

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

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
ENGLISH		
English 9 English 10 Debate & Forensics Creative Writing Journalism Young Adult Novels Mythology	Honors English 9 Honors Integrated 9 Honors English 10 CP English 11 CP English 12	AP English Language AP English Literature AP Seminar
SOCIAL STUDIES		
World Geography/History 9 U.S. History 10 U.S./CO Government		AP Human Geography AP U.S. History AP Government & Politics AP European History
SCIENCE (ALL LAB BASED)		
Biology Anatomy & Physiology Chemistry Geology	Honors Biology Honors Chemistry CP Physics	AP Biology AP Chemistry AP Environmental Science AP Physics 1/Alg based
MATHEMATICS		
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
WORLD LANGUAGES		
Spanish 1-4 Mandarin Chinese 1-4		AP Spanish
FINANCIAL LITERACY		
Personal Financial Literacy		ARTS AP 2D Studio Art AP 3D Studio Art
ERIE ACADEMY OF ENGINEERING AND AEROSPACE		
Principles of Physics CAD Drafting Intro to Engineering Aerospace Engineering Engineering Senior Design		AP Computer Science Principles
VIEW AERONAUTICS PATHWAY (CLASSES AT THE INNOVATION CENTER)		
Aviation Discovery UAS Flight Concepts & Training UAV Engineering & Design		

Instructional Focus

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

Technology Focus

- All students have access to personal iPads.
- Courses offered with technology focus include Introduction to Programming, Introduction to Computing, AP Computer Science, AP Computer Science Principles, Web design and Multimedia design.
- Students have access to a 3D printer, Makerspace in the library, Tech Squad participation, and Apple Certification classes at the Innovation Center.
- 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.