

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 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.

 **1349**
STUDENTS



Student Achievement

- The SAT composite score for our 2019-2020 seniors was 1066.
- During the 2018-2019 academic year, 529 EHS students took one or more AP classes.
- In the spring of 2019, EHS students took 770 AP exams.
- In the spring of 2019, 76% percent of EHS freshmen 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: 21 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): 21 weighted grade courses

Concurrent Enrollment Options: Front Range Community College, CU Succeed, 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: 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	3.0
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.

	UNWEIGHTED	HONORS	ADVANCED PLACEMENT
Weighted grades are earned in courses designated as Honors or Advanced Placement using the following grading scale:	A 4.0 B 3.0 C 2.0 D 1.0 F 0.0	A 4.5 B 3.5 C 2.5 D 1.5 F 0.0	A 5.0 B 4.0 C 3.0 D 2.0 F 0.0



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

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
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ENGLISH

- English 9
- English 10
- Debate & Forensics
- Creative Writing
- Journalism
- Young Adult Novels
- Mythology

- Honors English 9
- CP English 12

- AP English Language
- AP English Literature
- AP Seminar
- AP Research

SOCIAL STUDIES

- World Geography/History 9
- U.S. History
- 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

- French
- Spanish
- Mandarin Chinese

- AP Spanish

FINANCIAL LITERACY

- Personal Financial Literacy

- ARTS**
- AP Art History
 - AP 2D Studio Art
 - AP 3D Studio Art

ERIE ACADEMY OF ENGINEERING AND AEROSPACE

- Pre-Aerospace
- CAD Drafting
- Intro to Engineering
- Intro to Programming
- Aerospace Engineering
- Engineering Senior Design

- AP Computer Science Principles
- AP Computer Science

VIEW AERONAUTICS PATHWAY (CLASSES AT THE INNOVATION CENTER)

- Aviation Discovery
- UAS Flight Concepts & Training
- UAV Engineering & Design

Instructional Focus

- 21 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.

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.