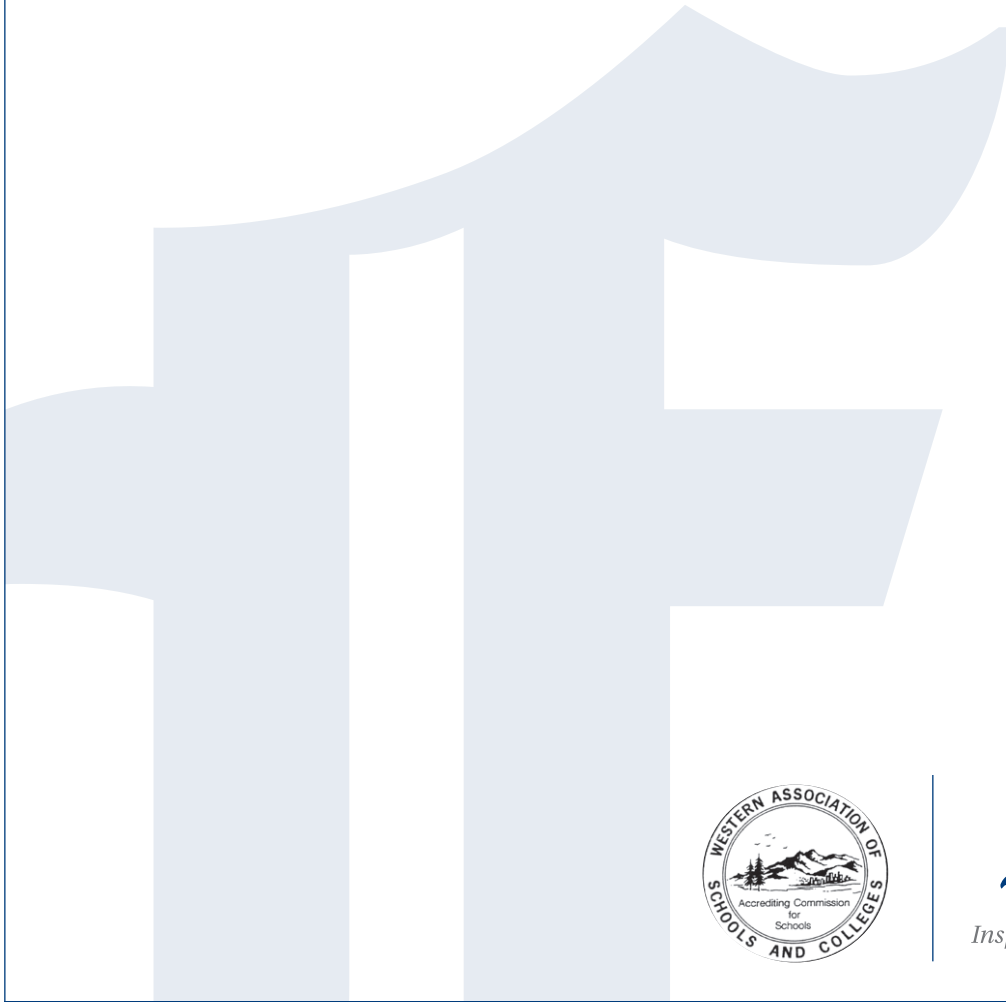


# FAIRMONT INTERNATIONAL EDUCATION

## CURRICULUM



*Inspiring minds. Empowering dreams.™*



The Fairmont International Education program offers two curricular paths to academic success:

- Fairmont International Academy
- Fairmont Preparatory Academy

#### FAIRMONT INTERNATIONAL ACADEMY

Students who enroll at Fairmont International Academy benefit from an intensive EPL™ (English as a Primary Language) program that focuses on the acquisition of the cognitive academic language that is needed for future success in rigorous American college preparatory programs. Fairmont International Academy's EPL™ program focuses on reading for comprehension, fluency in writing and vocabulary enrichment through literary analysis.

FIA students also study mathematics, science, social studies, American History and physical education. All of FIA's course offerings are designed to expose the student to an optimum amount of academic English to enhance the linguistic skills needed to succeed further in a preparatory environment.

Fairmont's EPL™ curriculum includes four levels of competency: (1) Beginning, (2) Low-Intermediate, (3) Intermediate, and (4) Advanced.

#### CORE COURSES:

- EPL
- Math
- Social Studies
- Science
- American History
- Physical Education

#### MATHEMATICS COURSE OFFERINGS INCLUDE:

- Pre-algebra
- Algebra I
- Geometry
- Algebra II
- Pre-calculus

#### ELECTIVE COURSE OFFERINGS INCLUDE:

- Art
- Drama
- Music
- Cinema
- Publications



*Fairmont's mission is to prepare students for colleges of quality and to challenge them to become exemplary citizens of a global society.*

## FAIRMONT PREPARATORY ACADEMY

Students who are placed directly, or continue their education at Fairmont Preparatory Academy, benefit from a variety of courses of study, from college preparatory to honors and advanced. Students at Fairmont Prep have the option to focus their studies even more through programs such as the Medical Magnet, Engineering Magnet, Advanced Math, Advanced Placement and International Baccalaureate.



### Advanced Placement

Fairmont Preparatory Academy encourages students to challenge themselves with college-level AP coursework while still in high school. With AP classes in all areas of the curriculum, students can play to their strengths and individualize their course of study. AP classes prepare students to earn academic credit accepted by major colleges and universities.



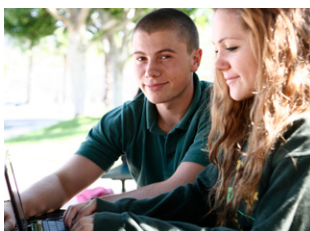
### Medical Magnet Program

This rigorous program provides students with a solid math and science education in preparation for medical and pre-medical studies. The Medical Magnet faculty includes doctors of medicine, chemistry, and biology. Lecture series, internships, clinical and research opportunities along with a community service component provide students with unique first-hand experiences in the health care profession.



### Engineering Magnet Program

The Engineering Magnet Program, currently in its inaugural year, is a dynamic, innovative interdepartmental program dedicated to preparing our students to embark on and succeed in the fields of engineering and the physical sciences at the undergraduate level. An inimitable aspect of this program is the first-rate, 21st century, state-of-the-art engineering laboratory that supplements the instructional process. Students have access to guest speakers from the field, individualized mentorships, and internships with formalized opportunities established between Fairmont Prep and The Boeing Company.



### International Baccalaureate

IB Diploma Program is an internationally acclaimed course of study, meeting worldwide standards of excellence. The IB Program is an 11th and 12th grade program which emphasizes connections between various disciplines, encourages students to think globally, and guides students to a deeper understanding of knowledge and the ways knowledge develops and works. Students complete independent research, are involved in projects which foster creativity, action and community service, and take specialized courses. Each course includes varied assessments throughout and a final examination, all assessed by IB.



### Advanced Mathematics

Advanced Mathematics program is among the top in the nation. The program has been recognized as such by the College Board and continues to receive national acclaim. We offer each student excellent opportunities to progress and excel on national exams and in courses rarely offered at the high school level. Two of our teachers are university professors, allowing our students the chance to earn up to 22 units of university credit without leaving Fairmont Prep, and moving well beyond what is offered by AP, IB or any other high school program.

# COURSE OFFERINGS

## English Department

- Creative Writing CP
- English I
- English I CP
- English I Honors
- English IB HL 1
- English IB HL 2
- English IB SL 1
- English II
- English II CP (British Literature)
- English II Honors (British Literature)
- English III
- English III CP
- English IV
- English Literature and Composition AP
- English Senior Seminar CP (From Literature to Film: The Art of Adaptation)
- English Senior Seminar CP (Literature of the Fantastic)
- English Senior Seminar CP (The Graphic Novel)
- Fundamentals of Speech CP
- Journalism CP
- SAT Writing Course
- SAT/TOEFL Prep Course

## Mathematics Department

- Algebra I CP
- Algebra II & Pre-Calculus H
- Algebra II & Trigonometry CP
- Algebra II & Trigonometry H
- Calculus AB & Calculus BC AP
- Calculus AB AP
- Calculus BC AP
- College Algebra & Trigonometry
- Differential Equations and Linear Algebra II
- Geometry & Algebra II H
- Geometry CP
- Geometry H
- Intro to Differential Equations and Linear Algebra
- Mathematical Structures
- Mathematical Studies IB SL
- Mathematics IB HL
- Mathematics IB SL
- Multivariable Calculus H
- Pre-Calculus CP
- Pre-Calculus H
- Statistics AP
- Statistics CP

## Science Department

- Biology AP
- Biology CP
- Biology H
- Biology IB HL

- Biology IB HL II
- Biology IB SL
- Biomedical Ethics
- Biophysics
- Chemistry AP
- Chemistry CP
- Chemistry H
- Engineering Discovery
- Engineering Physics I (Electric Circuits & Electronics)
- Engineering Physics II (Mechanical Engineering, Systems Designs & Robotics)
- Engineering Physics III (Civil Engineering)
- Engineering Research Project
- Environmental Science AP
- Honors Physics
- Human Anatomy and Physiology
- Human Anatomy and Physiology H
- IB Chemistry SL
- Internship (Magnet)
- Internship (Professional Educational)
- Introduction to Engineering
- Medical Terminology
- Modeling in Engineering I (Mathematica)
- Modeling in Engineering II
- Organic Chemistry
- Physics AP
- Physics CP
- Physics IB HL
- Physics IB HL

## Social Science Department

- Economics AP
- Economics CP
- European History AP
- European History CP
- History of the Americas IB HL I
- Non-Western World History CP
- Non-Western World History H
- Philosophy IB SL (Theory of Knowledge)
- Psychology AP
- Psychology CP
- Theory of Knowledge IB H
- US Government and Politics AP
- US Government CP
- US History AP
- US History CP

## Performing Arts Department

- Band
- Brass
- Concert Choir CP
- Fundamentals of Acting CP
- Music Appreciation
- Music Theory AP
- Music Theory IB HL
- Music Theory IB SL

- Orchestra
- Rehearsal and Performance
- Show Choir CP
- Theatre Arts IB HL
- Theatre Arts IB SL
- Woodwinds

## Physical Education Department

- Baseball (CIF Competitive Athletics)
- Basketball (CIF Competitive Athletics)
- Cross Country (CIF Competitive Athletics)
- Football (CIF Competitive Athletics)
- Golf (CIF Competitive Athletics)
- Health
- Physical Education
- Soccer (CIF Competitive Athletics)
- Softball (CIF Competitive Athletics)
- Tennis (CIF Competitive Athletics)
- Volleyball (CIF Competitive Athletics)

## Visual Arts Department

- Advanced Drawing and Painting
- Digital Filmmaking
- Drawing and Painting CP
- Film IB SL
- General Art CP
- Graphic Arts and Design I
- Graphic Arts and Design II
- Studio Art (2-D Design) AP
- Studio Art (Drawing) AP
- Visual Arts IB HL I
- Visual Arts IB HL II
- Visual Arts IB SL
- Yearbook

## World Languages Department

- French AP
- French IB SL
- French Pre IB
- Mandarin AP
- Mandarin I CP
- Mandarin III CP
- Mandarin Pre IB
- Mandarin V
- Spanish AP
- Spanish I CP
- Spanish IB SL
- Spanish II CP
- Spanish III CP
- Spanish Pre IB
- Spanish V H