

Minimum Graduation Program

22 Credits

English
(4 Credits)

English I
English II
English III

- English IV
- Research and Technical Writing
- Creative Writing
- Practice Writing Skills
- Literary Genres
- Business English
- Journalism
- AP English Language and Composition
- AP English Literature and Composition

Math
(3 Credits)

Algebra I
Geometry

- Precalculus
- Mathematical Models with Applications
- Independent Study in Mathematics
- Advanced Quantitative Reasoning
- AP Statistics
- AP Calculus AB
- AP Calculus BC
- AP Computer Science
- IB Mathematical Studies Standard Level
- IB Mathematics Standard Level
- IB Mathematics Higher Level
- IB Further Mathematics Standard Level
- Mathematical Application in Agriculture, Food, and Natural Resources
- Engineering Mathematics
- Statistics and Risk Management

Science
(2 Credits)

Biology

- Integrated Physics and Chemistry (IPC)
- Chemistry
- AP Chemistry
- IB Chemistry
- Physics
- Principles of Technology
- AP Physics
- IB Physics

Social Studies
(3 Credits)

US History Since 1877
US Government-Economics

- World History Studies
- World Geography

Academic Elective
(1 Credit)

- World History Studies
- World Geography
- Integrated Physics and Chemistry (IPC)
- Chemistry
- AP Chemistry
- IB Chemistry
- Physics
- Principles of Technology
- AP Physics
- IB Physics

Electives

(6 1/2 Credit)

See options on electives page.

Physical Education

(1 Credit)

Foundations of Personal Fitness
Adventure/Outdoor Education
Aerobic Activities
Team or Individual Sports

- Athletics
- JROTC
- Drill Team
- Marching Band
- Cheerleading
- Commercially or Private Physical Activity Programs

Speech

(1/2 Credit)

- Communication Applications
- Professional Communications

Fine Arts

(1 Credit)

- Art, Level I, II, III or IV
- Dance, Level I, II, III or IV
- Music, Level I, II, III or IV
- Theatre, Level I, II, III or IV
- Principles and Elements of Floral Design
- Digital Art and Animation
- 3-D Modeling and Animation

Recommended Graduation Program

26 Credits

English
(4 Credits)

English I
English II
English III
English IV

Math
(4 Credits)

Algebra I
Geometry
Algebra II

- Mathematical Models with Applications*
 - Mathematical Application in Agriculture, Food, and Natural Resources*
 - Engineering Mathematics*
 - Statistics and Risk Management*
 - Precalculus
 - Independent Study in Mathematics
 - Advanced Quantitative Reasoning
 - AP Statistics
 - AP Calculus AB
 - AP Calculus BC
 - AP Computer Science
 - IB Mathematical Studies Standard Level
 - IB Mathematics Standard Level
 - IB Mathematics Higher Level
 - IB Further Mathematics Standard Level
- * (must be taken before Algebra II)

Social Studies

(4 Credits)

World History Studies
World Geography
US History Since 1877
US Government-Economics

Science
(4 Credits)

Biology
Chemistry
Physics

- Integrated Physics and Chemistry (must be taken before Chemistry and/or Physics)
- Aquatic Science
- Astronomy
- Earth and Space Science
- Environmental Systems
- AP Biology
- AP Chemistry
- AP Physics B
- AP Physics C
- AP Environmental Science
- IB Biology
- IB Chemistry
- IB Physics
- IB Environmental Systems
- Scientific Research and Design
- Anatomy and Physiology
- Engineering Design and Problem Solving
- Medical Microbiology
- Pathophysiology
- Advanced Animal Science
- Advanced Biotechnology
- Advanced Plant and Soil Science
- Food Science
- Forensic Science

Electives

(5 1/2 Credits)

See options on electives page.

Languages

(2 Credits)

See options on electives page.

Distinguished Graduation Program

Recommended Requirements PLUS

26 Credits

Languages

(3 Credits)

See options on electives page.

Electives

(4 1/2 Credits)

See options on electives page.

Advanced Measures

- Original Research/Project (no more than 2 to satisfy this measure)
- Test Data
 - 3 or higher on AP Exam
 - 4 or higher on IB Exam
 - Commended status on PSAT
- College Dual Credit with a 3.00 GPA

Electives

English

- Independent Study in English (1/2 to 1 credit)
- Reading I, II, III (1/2 to 3 credits)
- College Readiness and Study Skills (1/2 credit)
- Visual Media Analysis and Production (1/2 credit)
- Contemporary Media (1 credit)
- Literary Genres (1/2 to 1 credit)
- Creative Writing (1/2 to 1 credit)
- Research and Technical Writing (1/2 to 1 credit)
- Practical Writing Skills (1/2 to 1 credit)
- Humanities (1/2 to 2 credits)
- Public Speaking I, II, III (1/2 to 1 credit)
- Communication Applications (1/2 credit)
- Oral Interpretation I, II, III (1 to 3 credits)
- Debate I, II, III (1 to 3 credits)
- Independent Study in Speech (1/2 to 1 credit)
- Journalism (1/2 to 1 credit)
- Independent Study in Journalism (1/2 to 1 credit)
- Advanced Broadcast Journalism I, II, III (1/2 to 1 credit)
- Photojournalism (1/2 to 1 credit)
- Advanced Journalism: Yearbook I, II, III/Newspaper I, II, III/Literary Magazine (1/2 to 1 credit)

Languages

- Levels I and II- Novice Progress (1 credit per level)
- Levels III and IV- Intermediate Progress (1 credit per level)
- Visual Media Analysis and Production (1/2 credit)
- Levels V, VI, and VII- Advanced Progress (1 credit per level)
- Exploratory Languages (1/2 to 1 credit)
- Cultural and Linguistic Topics (1/2 to 1 credit)
- American Sign Language Levels I and II-Novice Progress (1 credit per level)
- American Sign Language Levels III and IV-Intermediate Progress (1 credit per level)
- American Sign Language Levels V, VI, and VII-Advanced Progress (1 credit per level)

Math

- Mathematical Models with Applications (1/2 to 1 credit) Algebra I Prerequisite
- Advanced Quantitative Reasoning (1 credit) Algebra II Prerequisite
- Precalculus (1/2 to 1 credit) Geometry and Algebra II Prerequisite
- Advanced Quantitative Reasoning (1/2 to 1 credit) Geometry and Algebra II Prerequisite
- Independent Study in Mathematics (1/2 to 1 credit) Geometry and Algebra II Prerequisite
- AP Statistics (1/2 to 1 credit) Geometry and Algebra II Prerequisite
- AP Calculus AB (1/2 to 1 credit) Precalculus Prerequisite
- AP Calculus BC (1/2 to 1 credit) Precalculus Prerequisite
- IB Mathematical Studies Standard Level (1/2 to 1 credit) Geometry and Algebra II Prerequisite
- IB Mathematics Standard Level (1/2 to 1 credit) Geometry and Algebra II Prerequisite
- IB Mathematics Higher Level (1/2 to 1 credit)
- IB Further Mathematics Higher Level (1/2 to 1 credit)
- Current Enrollment in College Courses
- Mathematical Application in Agriculture, Food, and Natural Resources (1 credit)
- Engineering Mathematics (1 credit) Geometry and Algebra II Prerequisite
- Statistics and Risk Management (1 credit) Accounting I Algebra II Prerequisite
- AP Computer Science

Not all electives are available at all school districts. Contact your campus registrar for specific elective information.

Science

- Aquatic Science (1 credit)
- Astronomy (1 credit)
- Chemistry (1 credit)
- Earth and Space Science (1 credit) Grade 11 or 12
- Environmental Systems (1 credit) Grade 11 or 12
- Integrated Physics and chemistry (1 credit)
- Physics (1 credit)
- AP Biology (1/2 to 1 credit) Biology Prerequisite
- AP Chemistry (1/2 to 1 credit) Chemistry Prerequisite
- AP Physics B (1/2 to 1 credit) Physics, Algebra II Prerequisite
- AP Physics C (1/2 to 1 credit) Physics, Algebra II Prerequisite
- AP Environmental Science (1/2 to 1 credit)
- IB Biology (1/2 to 1 credit)
- IB Chemistry (1/2 to 1 credit)
- IB Physics (1/2 to 1 credit)
- IB Environmental Systems (1 credit)
- Principles of Technology (1 credit)
- Advanced Animal Science (1 credit)
- Advanced Plant and Soil Science (1 credit)
- Anatomy and Physiology (1 credit)
- Medical Microbiology (1/2 to 1 credit)
- Pathophysiology (1/2 to 1 credit)
- Food Science (1 credit)
- Forensic Science (1 credit)
- Advanced Biology (1 credit)
- Scientific Research and Design (1 credit)
- Engineering Design and Problem Solving (1 credit)
- Current Enrollment in College Courses

Social Studies

- World History Studies (1 credit)
- World Geography Studies (1 credit)
- US Government (1/2 credit)
- Psychology (1/2 credit)
- Sociology (1/2 credit)
- Special Topics in Social Studies (1/2 credit)
- Social Studies Research Methods (1/2 credit)
- Social Studies Advanced Studies (1/2 to 1 credit)
- AP US History (1 credit)
- AP European History (1 credit)
- AP World History (1 credit)
- AP Human Geography (1 credit)
- AP US Government and Politics (1/2 credit)
- AP Comparative Government and Politics (1/2 credit)
- AP Psychology (1/2 credit)
- IB History Standard Level (1 credit)
- IB Africa History Higher Level (2 credits)
- IB History-Americas Higher Level (2 credits)
- IB History-East and Southeast Asia Higher Level (2 credits)
- IB History-Europe Higher Level (2 credits)
- IB Geography Standard Level (1 credit)
- IB Geography Higher Level (2 credits)
- IB Psychology Standard Level (1 credit)
- IB Psychology Higher Level (2 credits)
- Cultural and Linguistic Topics (1/2 credit)
- Current Enrollment in College Courses

Health

- Health I (1/2)
- Advanced Health (1/2 credit)



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Skills for Technology Applications

- Fundamentals of Computer Science (1/2 to 1 credit)
- Computer Science I (1/2 to 1 credit)
- Computer Science II (1 credit)
- Computer Science III (1 credit)
- Digital Forensics (1/2 to 1 credit)
- Discrete Mathematics (1/2 to 1 credit)
- Game Programming and Design (1/2 to 1 credit)
- Mobile Application Development (1/2 to 1 credit)
- Robotics Programming and Design (1/2 to 1 credit)
- Digital Design and Media Production (1 credit)
- Digital Art and Animation (1 credit)
- Digital Art and Animation (1 credit)
- 3-D Modeling and Animation (1 credit)
- Digital Communications in the 21st Century (1 credit)
- Digital Video and Audio Design (1 credit)
- Web Communications (1/2 credit)
- Web Design (1 credit)
- Web Game Development (1 credit)
- Independent Study in Technology Applications (1/2 to 1 credit)
- Independent Study in Evolving/Emerging Technologies (1/2 to 1 credit)