

Liberal Arts and Science Academy High School

Magnet Credit Course Listing

Signature Courses

Electronic Magazine (block)
Science & Technology (block)
Great Ideas (block)
Planet Earth (block)
Research Practicum (block)

Core Courses

Each core course is offered two levels—typically **magnet** and **topics**—except for Algebra I, which is only offered as magnet.

English Core (4.0)

English I
English II
AP English III (Language)
AP English IV (Literature)

Mathematics Core (4.0)

Algebra I (Magnet only)
Geometry
Algebra II
Precalculus

Science Core (3.0)

Biology (block)
Chemistry (block)
Magnet Physics, or
AP Physics B (Magnet)

Social Studies Core (4.0)

World Geography
World History
AP U.S. History
AP Government (0.5)
AP Macroeconomics (0.5)

Language Arts Electives

Creative Writing (0.5)
Literary Magazine II (0.5)
Literary Magazine III (0.5)
Shakespeare Seminar (0.5)
The Short Story (0.5)
Science Fiction (0.5)

Mathematics Electives

AP Statistics (Magnet)

AP Calculus AB (Magnet)
AP Calculus BC (Magnet)
Differential Equations (0.5)
Discrete Math (0.5)
Multi-Variable Calculus
Linear Algebra (0.5)
Number Theory (0.5)
Mathematics Ind. Study (0.5)

Science Electives

Biotechnology
Environmental Philosophy & Policy (0.5)
AP Biology (Magnet)
Anatomy & Physiology
Medical Microbiology (0.5)
Pathophysiology (0.5)
Aquatic Science
AP Environmental Science
AP Chemistry (Magnet)
Analytic Chemistry (0.5)
Organic Chemistry (0.5)
AP Physics C (Magnet)
Modern Physics
Astronomy

Social Studies Electives

AP European History
AP Psychology (0.5)
Constitutional Law (0.5)
Contemporary Social Issues (0.5)
Facing History (0.5)
Amateur Radio (0.5)
Music & Revolution (0.5)

Technology Electives

Computer Science I
AP Computer Science I (A)
AP Computer Science II (AB)
Computer Science III
Fundamentals of Networking I
Internetworking I
Internetworking II
Robotics I
Robotics II
Multi-Information Engineering

Languages other than English

AP French IV (Language)
AP French V (Literature)
AP German IV (Language)
German V (Literature)
AP Japanese IV
Japanese V
AP Latin IV (Vergil)
AP Latin V (Literature)
AP Spanish IV (Language)
AP Spanish V (Literature)
French, German, Japanese, and Latin—Level VI

Journalism

Adv. Journalism, Yearbook III
Adv. Journalism, Newspaper III
Journalism Independent Study

Debate

Debate III

Visual Arts

AP Studio Art
AP Art 2D Design
AP Art 3D Design

Performing Arts

Choir IV
Dance IV
Technical Theatre IV
Theater Arts IV

Instrumental Music

Band IV—Concert, Symphonic,
Wind Ensemble
Orchestra IV
Advanced Jazz Band

All courses carry 1.0 credit value, unless otherwise indicated.

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Magnet Endorsement requires core curriculum courses to be completed at the magnet or topics level, completion of the Distinguished Achievement Program, Precalculus or other approved mathematics course beyond Algebra 2, and at least three (3.0) additional magnet credits. Core curriculum courses may be taken in middle school, via credit by exam, or by dual credit.