

# Liberal Arts and Science Academy High School

## Weighted Credit Course Listing

### Signature Courses

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

### Core Courses

Each English, Mathematics, and Science core course is offered two levels, typically **magnet** and **topics**, except for Algebra I and Biology, which is only offered as one level.

#### English Core (4.0)

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

#### Mathematics Core (4.0)

Algebra  
Geometry  
Algebra II  
Precalculus

#### Science Core (3.0)

Biology  
Chemistry  
Physics, or  
AP Physics B

#### 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  
Literary Magazine II-III  
Shakespeare Seminar (0.5)  
The Short Story (0.5)  
Science Fiction (0.5)  
Tolkien (0.5-1.0)  
Song Writing (0.5-1.0)

Screen Writing (0.5-1.0)

### Mathematics Electives

AP Statistics  
AP Calculus AB  
AP Calculus BC  
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  
Anatomy & Physiology  
Medical Microbiology (0.5)  
Pathophysiology (0.5)  
Science Olympiad  
Aquatic Science  
AP Environmental Science  
AP Chemistry  
Analytic Chemistry (0.5)  
Organic Chemistry (0.5)  
AP Physics C  
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)  
Mock Trial (0.5)  
Model United Nations  
AP Comparative Government and Politics (0.5)  
SAT Prep Course (0.5)

### Technology Electives

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

### 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)  
Pre AP Level III – French, Latin, German, Japanese, Spanish

### Journalism

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

### Instrumental Music

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

### Visual Arts

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

### Debate

Debate III

### Performing Arts

Choir III-IV; Dance III-IV  
Technical Theatre III-IV  
Theater Arts III-IV

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.