

# Liberal Arts and Science Academy High School

## 2016-2017 Academic Course Listing

### Signature Courses

*Each is 1 semester long and is a two-period block.*

Electronic Magazine (9th)  
Science & Technology (9th)  
Great Ideas (10th)  
Planet Earth (10th)

### Core Courses

#### English Core (4.0)

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

#### Mathematics Core (4.0)

Algebra I  
Geometry  
Algebra II  
4<sup>th</sup> Math

#### Science Core (4.0)

Biology  
Chemistry  
AP Physics  
4<sup>th</sup> Science

#### Social Studies Core (4.0)

World Geography  
World History AP  
U.S. History AP  
Government \*  
AP Macroeconomics \*

### Language Arts Electives

American Film Analysis\*  
Creative Writing\*  
Contemporary Fiction\*  
Literary Magazine I-III\*  
Music & Revolution \*  
Song Writing \*  
Philosophy\*  
Psychological Makeup of Hitchcock Characters\*

### Mathematics Electives

Advanced Mathematical Reasoning  
AP Calculus AB AP  
Calculus BC Differential  
Equations Discrete Math  
\* Multivariable Calculus  
\* Linear Algebra \*  
Logic\*  
Number Theory \*  
UTexas Dual Credit Statistics

### Science Electives

Anatomy & Physiology  
AP Biology  
AP Chemistry  
AP Environmental Science  
AP Physics C  
Advanced Engineering Design  
Astronomy  
Biotechnology  
Forensic Science  
Medical Microbiology  
Modern Physics  
Organic Chemistry  
Pathophysiology

### Social Studies Electives

Amateur Radio \*  
AP European History  
AP Microeconomics\*  
AP Psychology \*  
Constitutional Law \*  
Contemporary Social Issues \*  
Facing History \*  
Model United Nations I-II  
Street Law\*

### Technology Electives AP

Computer Science  
Computer Programming I  
Adv. Computer Programming II  
Advanced Graphic Design  
Audio Visual Production  
Adv. Audio Visual Production  
Practicum in Audio Visual Production  
Digital Electronics  
Robotics I-IV  
Technology Independent Study  
Web Applications

### Languages other than English

Chinese I-III  
French I-III, V & VI  
AP French IV  
German II-III, V  
AP German IV  
Japanese I-III, V  
AP Japanese IV  
Latin I-III, V  
AP Latin IV  
Spanish I-VI  
AP Spanish IV,

### Journalism

Newspaper I-II  
Yearbook I-II  
Adv. Journalism, Yearbook III  
Adv. Journalism, Newspaper III  
Journalism Independent Study

### Visual Arts

Art I  
Drawing II-III  
Painting II-III  
Ceramics II-III  
Sculpture II-III  
AP Drawing  
AP Art 2D Design  
AP Art 3D Design  
AP Art History

### Performing Arts

Choir I-IV  
Dance I-IV  
Technical Theatre I-IV  
Theater Arts I-IV  
Theater Production I-IV

### Instrumental Music

Band I-IV — Marching, Concert,  
Symphonic, Wind Ensemble  
Guitar  
Jazz Band I-IV

Orchestra I-IV

Piano

### P.E. and Athletics

Individual Sports  
Dance  
All U.I.L. athletics