# Academy of the Canyons Ed-Plan
## Pathway in Math, Computers, and Data
### Mathematics & Physics Series Emphasis

## High School Classes

### 9th Grade

**FALL**
- H Eng 9A
- Biology
- *HA2T/Alg I
- Seminar
- Health

**SPRING**
- H Eng 9B
- Biology
- *HA2T/Alg I
- Seminar
- Human Geo

### 10th Grade

**FALL**
- H Eng 10A
- H Chemistry
- H Mod Civ.
- Advisement
- *Math

**SPRING**
- H Eng 10B
- H Chemistry
- H Mod Civ.
- Advisement
- *Math

*MATH is taken at either AOC or COC

### 11th Grade

**FALL**
- H Eng 11A
- H US Hist.
- Math/*Elect.
- Advisement

**SPRING**
- H Eng 11B
- H US Hist.
- Math/*Elect.
- Advisement

*Elective: Consider Student Tutoring, or science-related elective.

### 12th Grade

**FALL**
- H Eng 12A
- H Gov.
- *Elective
- Advisement

**SPRING**
- H Eng 12B
- H Gov.
- *Elective
- Advisement

*Elective: Consider Student Tutoring, or science-related elective.

## College Classes

### 9th Grade
- PE
- CAWT-140
- PE
- COUNS-110

**SUMMER**
- Geometry
- PE

### 10th Grade
- PE
- IGETC 3 Art
- *MATH-104
- PSYCH-101
- *MATH-211

*MATH is taken at either AOC or COC

**SUMMER**
- CMPSCI-111
- ANTHRO 103

### 11th Grade
- LANG-101
- MATH-212
- SOCI-101
- MATH-213
- PHYS-220

**WINTER**
- HIST 111
- COMS 105

**SUMMER**
- HIST-112
- CMPSCI-182

### 12th Grade
- MATH-214
- PHYS-221
- PHYS-222
- CMPSCI-256
- ENGL-103

**WINTER**
- ENGL-101

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**Degrees/Certifications Earned:**  Liberal Arts & Sciences AA (Math & Science Emphasis),  Math AS,  Math AS-T,  Physics AS-T

**RED = Optional, yet helpful classes for prospective computer science majors**

CAWT-140 = Microsoft Office Programs
COUNS-110 = Strategies for Success
MATH-104 = Precalculus
PSYCH-101 = Intro to Psychology
MATH-211 = Calculus I

LANG-101 = Intro Spanish, French, German, or ASL
CMPSCI-111 = Intro to Algorithms/Java
MATH-212 = Calculus II
MATH-213 = Calculus III
PHYS-220 = Mechanics of Solids & Fluids

CMPSCI-182 = Data Structures & Program Design
MATH-214 = Linear Algebra
PHYS-221 = Electricity & Magnetism
PHYS-222 = Wave Motion, Heat, & Optics
CMPSCI-256 = Discrete Structures
ENGL-103 = Crit. Reading & Writing