



Academy of the Canyons Ed-Plan

Pathway in Physical Science and Engineering

Physics Sequence



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FOR MORE INFO REGARDING
SPECIFIC PATHS AT AOC!

High School Classes							
9th Grade		10th Grade		11th Grade		12th Grade	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
<ul style="list-style-type: none"> H Eng 9A Biology *HA2T/Alg I Seminar Health 	<ul style="list-style-type: none"> H Eng 9B Biology *HA2T/Alg I Seminar Human Geo 	<ul style="list-style-type: none"> H Eng 10A H Chemistry H Mod Civ. Advisement *Math 	<ul style="list-style-type: none"> H Eng 10B H Chemistry H Mod Civ. Advisement *Math 	<ul style="list-style-type: none"> H Eng 11A H US Hist. Math/*Elect. Advisement 	<ul style="list-style-type: none"> H Eng 11B H US Hist. Math/*Elect. Advisement 	<ul style="list-style-type: none"> H Eng 12A H Gov. *Elective Advisement 	<ul style="list-style-type: none"> H Eng 12B H Gov. *Elective Advisement
		*MATH is taken at either AOC or COC		*Elective: Consider Student Tutoring, or science-related elective.		*Elective: Consider Student Tutoring, or science-related elective.	
College Classes							
<ul style="list-style-type: none"> PE CAWT-140 	<ul style="list-style-type: none"> PE COUNS-110 	<ul style="list-style-type: none"> PE IGETC 3 Art *MATH-104 	<ul style="list-style-type: none"> PSYCH-101 *MATH-211 	<ul style="list-style-type: none"> LANG-101 MATH-212 ENGR-114 	<ul style="list-style-type: none"> PHYS-220 MATH-213 	<ul style="list-style-type: none"> MATH-214/215 PHYS-221 	<ul style="list-style-type: none"> MATH-215/214 PHYS-222 ENGL-103 ENGR-260
SUMMER		SUMMER		WINTER		WINTER	
<ul style="list-style-type: none"> Geometry PE 		<ul style="list-style-type: none"> SOCI 101 ANTHRO 103 		<ul style="list-style-type: none"> HIST 111 COMS 105 	<ul style="list-style-type: none"> HIST-112 CMPSCI-111/122/235 	<ul style="list-style-type: none"> ENGL-101 	<ul style="list-style-type: none"> (only if MATH-215 first, LANG-101 taken over summer prior to 11th)

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 engineer majors *NOTE: Although there are 4 degrees listed, all 4 have overlapping, minimal requirements.

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

MATH-212 = Calculus II

ENGR-114 = SOLIDWORKS/Mechanical Drafting

PHYS-220 = Mechanics of Solids & Fluids

MATH-213 = Calculus III

MATH-214 = Linear Algebra

PHYS-221 = Electricity & Magnetism

MATH-215 = Differential Equations

PHYS-222 = Wave Motion, Heat, & Optics

ENGR-260 = Electrical Circuits