

26-27 Physics AS-T 2.0 AST - (PHT2)



ABOUT THIS MAJOR

The Associate in Science in Physics 2.0 for Transfer (AS-T in Physics 2.0) offers students a fundamental knowledge of Physics and its relation to science, technology, and engineering. Students will enhance their

problem-solving and critical thinking skills by applying mathematical models to real-world problems or utilizing mathematical objects and theorems to evaluate the validity of a statement or to prove mathematical statements. For more information, visit the [Mathematics, Sciences, and Engineering](#) division.

TO EARN A DEGREE A STUDENT MUST COMPLETE THE FOLLOWING:

- [1] Completion a minimum of 60-semester units or 90 quarter units of degree applicable courses
- [2] A minimum of 18-semester units in a major
- [3] Completion of Cal-GETC General Education Requirements
- [4] Minimum overall grade point average of 2.0
- [5] Minimum grade of "C" (or "P") for each course in the major

Physics AS-T 2.0 (PHT2)

[Total Units Required for the Major 37]

Core Required Courses: Complete all of the following (29 units)	
PHYS110 - General Physics Prerequisite: Completion of or concurrent enrollment in MATH 150 or MATH 150H	4
PHYS120 - General Physics Prerequisite: PHYS 110. Completion of or concurrent enrollment in MATH 160	4
PHYS211 - General Physics Prerequisite: PHYS 110. Completion of or concurrent enrollment in MATH 160.	5
MATH160 - Calculus and Analytic Geometry Prerequisite: Completion of MATH 150 or MATH 150H or placement by multiple measures	4
MATH220 - Linear Algebra Prerequisite: Completion of MATH 160	4
MATH230 - Introduction to Ordinary Differential Equations Prerequisite: Completion of MATH 160	4
MATH250 - Calculus and Analytic Geometry Prerequisite: Completion of MATH 160	4
MATH 150: choose one (5 units)	
MATH150 OR MATH 150H- Calculus and Analytic Geometry/HONORS Prerequisite: Completion of MATH 140 or MATH 149 or placement by multiple measures	5
Computer Science: choose one (Total 3)	
CS120 - Programming and Algorithms in C++ Prerequisite: Completion of or concurrent enrollment in MATH 150 OR MATH 150H OR completion of CS 110 OR successful completion of one year of Calculus in high school OR successful completion of one year of programming in high school.	3
OR	
CS122 - Programming and Algorithms in Python Prerequisite: Completion of or concurrent enrollment in MATH 150 OR MATH 150H OR completion of CS 110 OR successful completion of one year of Calculus in high school OR successful completion of one year of programming in high school.	3

RECOMMENDED PATHWAY

Associate in Science in Physics 2.0 for Transfer

The Recommended Plan of Study is determined by the discipline faculty. Take classes in Summer or Intercession if needed to complete your degree in a timely manner!

Fall/Spring: Max 19 units | Summer: Max 9 units | Intercession: Max 6 units

SUMMER 1	
Course	Units
Cal-GETC AREA 3B: HUMANITIES	3
Total Units	3

SEMESTER 1	
Course	Units
MATH 150 OR MATH 150H (Cal-GETC AREA 2)	5
Cal-GETC AREA 1A : ENGL C1000	4
Cal-GETC AREA 3: Arts	3
Cal-GETC AREA 4: SOCIAL & BEHAV. SCIENCE	3
Total Units	15

SEMESTER 2	
Course	Units
MATH 160	4
PHYS 110 (Cal-GETC AREA 5A/5C)	4
Cal-GETC AREA 1B: CRITICAL THINKING	3
Cal-GETC AREA 1C: ORAL COMMUNICATION	3
Total Units	14

SUMMER 2	
Course	Units
Cal-GETC AREA 4: SOCIAL & BEHAV. SCIENCE	3
Total Units	3

SEMESTER 3	
Course	Units
PHYS 120	4
MATH 220	4
MATH 250	4
Cal-GETC AREA 6: ETHNIC STUDIES	3
Total Units	15

SEMESTER 4	
Course	Units
PHYS 211	5
MATH 230	4
CS 120 OR CS 122	3
Cal-GETC AREA 5B: BIOLOGICAL SCIENCES	3
Total Units	15
TOTAL DEGREE UNITS	60

2026-2027 Cal-GETC (California General Education Transfer Curriculum)

Advising Form Effective Fall 2026 - Summer 2027

GE AREA	COMPLETED	IN PROGRESS	NEED	
				Completion of all the requirements in the California General Education Transfer Curriculum (Cal-GETC) may satisfy lower division general education requirements for students who transfer from Antelope Valley College to a campus in either the California State University or University of California system. All requirements must be completed before Cal-GETC certification can be granted. Additionally, all courses must be completed with a grade of "C" or better (a C- is not acceptable). A "C" is defined as a minimum 2.0 grade points on a 4.0 scale. Per Cal-GETC Standards 1.3: Students who completed IGETC-approved courses prior to Fall 2025, including courses that are no longer active in assist.org, may apply those courses in the same Cal-GETC area(s) for certification.
AREA 1: ENGLISH COMMUNICATION				
3 courses, one in each area (1a, 1b, 1c): 9 semester or 12 quarter units				
1A				Area 1A English Composition: ENGL C1000, C1000H
1B				Area 1B Critical Thinking and Composition: ENGL C1001, C1001H, C1002, C1002H; PHIL 201
1C				Area 1C Oral Communication: COMM C1000, C1000H
AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING				
1 course, 3 semester or 4 quarter units				
2				MATH 110, 116, 124, 128, 140, 148, 149, 150, 150H, 160, 220, 230, 250; STAT C1000, C1000H
AREA 3: ARTS AND HUMANITIES				
2 courses (one course from 3A, one from the 3B), 6 semester units or 8 quarter units				
3A				ARTS: ART 100, 103, 104, 106; ARTH C1100, C1100H, C1200, C1200H; DA 101, 113; ENGL 235; FTV 101, 107, 108, 201, 203; MUS 101, 101H, 105, 106, 110; MUSC 102, 103, 107, 108, 109; THA 101, 101H, 110, 111, 225
3B				HUMANITIES: CHIN 102; COMM 114, 217; ENGL 221, 222, 225, 227, 230, 231, 235, 242, 253, 253H, 256, 257, 259, 265, 279; FREN 102, 201, 202, 203; FTV 201, 203, 251, 261; GER 102, 201, 202; HIST 104, 105, 110H, 111H, 113, 115, 119, C1001, C1001H, C1002, C1002H; LATN 102, 201; PHIL 105, 105H, 106, 108, 109, 230, 240; PHOT 107; SPAN 110SS, 201, 202, 203, 210SS, 220SS; THA 239, 239H
AREA 4: SOCIAL AND BEHAVIORAL SCIENCE				
2 courses from two academic disciplines, 6 semester units or 8 quarter units				
4				AJ 206; ANTH 102, 103, 110, 112, 112H, 140; BUS 212; CFE 102, 103; ECON 100, 110, C2001, C2001H, C2002, C2002H; DFST 105, 106, 110; GEOG 105, 106, 110; HIST 104, 105, 110, 110H, 111, 111H, 113, 114, 116, 118, 119, C1001, C1001H, C1002, C1002H; POLS 103, 200, 201, 202, 203, C1000, C1000H; PSY 200, 201, 212, 230, 232, 233, 234, 235, 236; PSYC C1000, C1000H; SOC 105, 110, 111, 112, 115, 116, 120, 200; SOCI C1000, C1000H
4				
AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES				
2 courses (one Physical Science {A} and one Biological Science {B}); at least one of the two courses must be associated with a Laboratory. 7 semester units or 9 quarter units # meets 5C requirement				
5A				A: PHYSICAL SCIENCES: ASTR C1001, C1001H; CHEM 101#, 102#, 110#, 120#, 210#, 220#; ERSC 101#; GEOG 101, 102; GEOL 101, 101H, 102; PHYS 101#, 102#, 110#, 120#, 211#; PSCI 101# #Lab included, satisfies 5C as well
5B				B: BIOLOGICAL SCIENCES: ANTH 101, 101H; BIOL C1001*#, 102#, 103#, 104, 104H, 110#, 120#, 201#, 202#, 204#, 205# ** Must register for required lab component separately #Lab included, satisfies 5C as well
5C				C: LABORATORY: ANTH 101L; ASTR C1001L; BIOL C1001L; GEOG 101L, 102L; GEOL 101L, 102L
AREA 6: ETHNIC STUDIES				
1 course, 3 semester or 4 quarter units				
6				ENGL 257; ETHN 101, 102, 112, 114, 257EN
(Optional) UC GRADUATION REQUIREMENT: LANGUAGE OTHER THAN ENGLISH				
Not part of Cal-GETC, courses may be completed prior to transfer.				
CHIN 102, 201, 202; DFST 102, 201, 202; FREN 102, 201, 202, 203; GER 102, 201, 202; LATN 102, 201; SPAN 102, 110SS, 201, 202, 203, 210SS, 220SS				
(Optional) CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION, AND AMERICAN IDEALS				
2 courses, 6 semester or 8 quarter units. Courses may double count with Areas 3B or 4, if applicable. Not part of Cal-GETC, courses may be completed prior to transfer.				
POLS C1000, C1000H and one HIST course from the following: HIST C1001, C1001H, C1002, C1002H, 110, 111, 111H				

COUNSELING NOTE SECTION

Prerequisite: If a course is listed as a prerequisite for another course, that prerequisite course must be completed with a satisfactory grade to enroll in the next course. A satisfactory grade is a grade of "A," "B," "C" or "P". Students who enroll in classes for which they do not meet the prerequisites will be involuntarily dropped. Students will be notified of this involuntary drop. Title 5, Section 55200(d)

Application for Graduation:

Antelope Valley College awards degrees three times annually following the Fall, Spring, and summer semesters. Students must apply for graduation to earn their degree or certificate. Applications are due by September 6 for spring/summer graduates and by February 14 for fall graduates.

AVC 26-27 CATALOG: [ACADEMIC POLICIES](#)

INFORMATION and RESOURCES

Tutoring Assistance
Transfer Center
Basic Needs

Career Center
Office of Students with Disabilities
Financial Aid

AVC Student Health Services
Palmdale Center
Counseling Division