

## Computer Science for Transfer (AS-T) 25-26



#### ABOUT THIS MAJOR

The Associate in Science in Computer Science for Transfer (AS-T in Computer Science) degree is to provide students with a foundational knowledge of computer science, to enhance their problemsolving skills, sharpen their critical thinking and

the opportunity to seamlessly transfer to a California State University in advanced standing as a Computer Science major. Additionally, the degree can prepare students in areas of science and engineering. For more information, visit the Mathematics, Sciences, and **Engineering** division

## TO EARN A DEGREE A STUDENT MUST COMPLETE THE FOLLOWING:

- [1] Completion of 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] A C or better in all courses required for the major

#### **AST- Computer Science**

[Total Units Required for the Major 18]

Programming Language: select ONE of the following prolanguage groupings. (6 units)	ogram
C/C++ Programming: CS 120 - programming and Algorithms in CS 130- Data Structures using C/C++	6
OR	
Java Programming: CS 121- Programming and Algorithms in Java CS 131-Data Structures using Java	6
OR	
Python Programming: CS 122- Programming and Algorithms in Python CS132- Data Structures using Python	6

Complete ALL the following: (19 units)	
CS 140- Assembly Language and Computer Architecture	3
CS 150 - Discrete Structures	4
MATH 150 - Calculus and Analytic Geometry	5
MATH 160 - Calculus and Analytic Geometry	4
PHYS 110 - General Physics	4

Science Elective, choose ONE of the following: (4-5 un	its)
BIOL 110 - General Molecular Cell Biology	5
BIOL 120 - General Organismal, Ecological & Evol Biol	5
CHEM 110 - General Chemistry	5
PHYS 120 - General Physics	4

#### RECOMMENDED PATHWAY

## Associate of Science in Computer Science for Transfer

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

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

General Education

Major

Electives A

#### **SUMMER 1**

Course Advisement	Units
<ul> <li>Cal-GETC GE AREA 3: Arts &amp; Humanities</li> </ul>	3
<ul> <li>CAL-GETC GE AREA 1C: ORAL COMMUNICATION</li> </ul>	3
Total Semester Units	6

#### **SEMESTER 1**

Course Advisement	Units
CS 120 or CS 121 or CS 122	3
■ MATH 150	5
<ul><li>Cal-GETC GE AREA 3B: Humanities</li></ul>	3
<ul> <li>Cal-GETC GE AREA 1A: ENGLC1000 (FORMALLY ENGL 101)</li> </ul>	3
Total Semester Units	14

## **SEMESTER 2**

Course Advisement	Units
■ CS 130 or CS 131 or CS 132	3
■ MATH 160	4
Cal-GETC GE AREA 5B: Biological Science	3
<ul> <li>Cal-GETC GE AREA 1B: Critical Thinking</li> </ul>	3
Total Semester Units	14

## **SEMESTER 3**

Course Advisement	Units
CS 140	3
PHYS 110	4
• Cal-GETC GE AREA 4: Social & Behavioral Science	3
• Cal-GETC GE AREA 4: Social & Behavioral Science	3
	3
Total Semester Units	13

## **SEMESTER 4**

Course Advisement	Units
CS 150	4
BIOL 110 or BIOL 120 or CHEM 110 or PHYS 120	4-5
Cal-GETC GE AREA 6: Ethnic Studies	3
▲ GENERAL ELECTIVE	3
Total Semester Units	14-15
Total Degree units	61-62

## **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)

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 25-26 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

#### **TRANSFER BEGINS DAY 1**

# Computer Science for Transfer (AS-T) 25-26

			2025-2026 Cal-GETC (California General Education Transfer Curriculum)
			Advising Form Effective Fall 2025 - Summer 2026
GE AREA	COMPLETED	IN PROGRESS	The California General Education Transfer Curriculm (Cal-GETC) is the singular general education pathway for Californ Community College (CCC) students to fulfill lower-division general education requirements necessary for transfer and admission to both the California State University (CSU) and the University of California (UC). It is also accepted by son private / independent or out-of-state universities. Please refer to the back page for additional information.
			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		Ш	Area 1B Critical Thinking and Composition: ENGL C1001, C1001H, 102, 102H; PHIL 201
10			Area 1C Oral Communication: COMM C1000, C1000H
			AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING  1 course, 3 semester or 4 quarter units
2A			MATH 110, 116, 124, 128, 140, 148, 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, 101, 101H, 102, 103, 104, 106; 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; GER 102, 201, 202; HIST 104, 105, 107, 107H, 108, 108 110H, 111H, 113, 115, 119; LATN 102, 201; PHIL 105, 105H, 106, 108, 109, 130, 140; 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, 101, 101H,102, 102H, 110; DFST 105, 106, 110; GEOG 105, 106, 110; HIST 104, 105, 107, 107H, 108, 108H, 110, 110H, 111, 111H, 113, 114, 111H, 118, 119; POLS C1000, C1000H, 103, 200, 201, 202, 203; PSY 200, 201, 212, 230, 232, 233, 234, 235, 236; PSYC C1000, C1000H; SOC 101, 101H, 105, 110, 111, 112, 115, 116, 120, 200;
			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 101, 101H; 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 101°#, 102#, 103#, 104, 104H, 110#, 120#, 201#, 202#, 204#, 205#  ## Must register for required lab component (BIOL 101L) separately  #Lab included, satisfies 5C as well
5C			C: LABORATORY: ANTH 101L; ASTR 101L; BIOL 101L; GEOG 101L, 102L; GEOL 101L, 102L
			AREA 6: ETHNIC STUDIES 1 course, 3 semester or 4 quarter units
6			ENGL 257; ETHN 101, 102, 257EN