

# Biology for Transfer (AS-T) 25-26



## ABOUT THIS MAJOR

Biology is the scientific study of life through the observation of structure, function, reproduction, growth, origin, evolution, and behavior of living organisms and their relation to each other and their environment.

Biologists have deepened our understanding of processes and interactions on all levels of biological organization from elucidating cellular processes to fight cancer to assessing interactions in communities that might help prevent the extinction of species. Studying biology provides a background for students to evaluate and understand new discoveries and to make informed decisions about the use of scientific knowledge to benefit all living organisms. The Associate of Science in Biology for Transfer (AS-T) prepares student for upper division biology courses, including general biology, cell or molecular biology, organism biology, marine biology, botany, zoology, ecology, evolution, genetics, anatomy, physiology, microbiology, and agricultural sciences.

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] A C or better in all courses required for the major

### AST- Biology

[Total Units Required for the Major 33]

Required Courses: Complete all the following (total 10 units)	
BIOL110 -General Molecular Cell Biology	5
BIOL120 -General Organismal, Ecological & Evolutionary Bio	5

Required Core Courses, (total 5 units)	
CHEM120 - General Chemistry	5

Required Electives List Chemistry, choose one (total 5units)	
CHEM110 - General Chemistry	5
CHEM110H - General Chemistry Honors	5

Required Electives Math, choose one ( total 5 units)	
MATH150 - Calculus and Analytic Geometry	5
MATH150H - Calculus & Analytic Geometry Honors	5

Choose one of the following groupings: (total 8 units)	
PHYS101 - Introductory Physics	8
PHYS102 - Intro Physics	
OR	
PHYS110 - General Physics	8
PHYS120 - General Physics	

Additional Information	
•Biology major does not need to take BIOL 101 prior to courses in the major	
To succeed in CHEM 110, students are required to successfully complete CHEM 101 or one year of High School Chemistry. Algebra is used extensively to solve problems involving quantities.	

## RECOMMENDED PATHWAY

### Associate of Science in Biology 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

Major ■ General Education ● Electives ▲

### SEMESTER 1

Course Advisement	Units
■ CHEM 110 or CHEM 110H	5
■ MATH 150 or MATH 150H	5
● Cal-GETC GE AREA 1A: ENGLC1000 {FORMALLY ENGL 101}	3
● Cal-GETC GE AREA 3B: Humanities	3
<b>Total Semester Units</b>	<b>16</b>

### SEMESTER 2

Course Advisement	Units
■ CHEM 120	5
● Cal-GETC GE AREA 1B: Critical Thinking	3
● Cal-GETC GE AREA 4: Social & Behavioral Sciences	3
● Cal-GETC GE AREA 6: Ethnic Studies	3
<b>Total Semester Units</b>	<b>14</b>

### SEMESTER 3

Course Advisement	Units
■ BIOL 110	5
● Required Physics Elective: PHYS 101 OR 110	4
● Cal-GETC GE AREA 1C: Oral Communication	3
▲ GENERAL ELECTIVE	3
<b>Total Semester Units</b>	<b>15</b>

### SEMESTER 4

Course Advisement	Units
■ BIOL 120	5
■ Required Physics Elective: PHYS 102 OR 120	4
● Cal-GETC GE AREA 4: Social & Behavioral Sciences	3
● Cal-GETC GE AREA 3A: ARTS	3
<b>Total Semester Units</b>	<b>15</b>
<b>Total Degree units</b>	<b>60</b>

### 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 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

The State requires ALL STUDENTS to have a Comprehensive Education Plan. You MUST make a counseling appointment as soon as enrollment is established to receive your plan. Stop by the Counseling Center or call 661-722-6300 x 6338 to schedule an appointment.

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<b>2025-2026 Cal-GETC</b> (California General Education Transfer Curriculum)			
Advising Form Effective Fall 2025 - Summer 2026			
GE AREA	COMPLETED	IN PROGRESS	NEED
<p>The California General Education Transfer Curriculum (Cal-GETC) is the singular general education pathway for California 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 some private / independent or out-of-state universities. Please refer to the back page for additional information.</p>			
<b>AREA 1: ENGLISH COMMUNICATION</b>			
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, 102, 102H; PHIL 201
1C			Area 1C Oral Communication: COMM C1000, C1000H
<b>AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING</b>			
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
<b>AREA 3: ARTS AND HUMANITIES</b>			
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, 108H, 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
<b>AREA 4: SOCIAL AND BEHAVIORAL SCIENCE</b>			
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, 116, 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;
<b>AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES</b>			
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
<b>AREA 6: ETHNIC STUDIES</b>			
1 course, 3 semester or 4 quarter units			
6			ENGL 257; ETHN 101, 102, 257EN

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