





## 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 of 60-semester units
- [2] Completion of General Education Requirements
- [3] Minimum grade point average of 2.0
- [4] A C or better in all courses required for the major

Residency: Minimum of 12 units completed at AVC with a minimum of 9 of those units completed from the certificate/major. (credit earned by examination will not be included in these 12 units) Title 5, Section 54000: http://ccr.oal.ca.gov.

#### AST - Biology [Total Units 33]

Required Courses: (10 units)	
BIOL110 - General Molecular Cell Biology	5
BIOL120 - General Organismal, Ecological Evol. Biology	5

Required Electives A: Complete all of the following (15 units	5)
CHEM110 - General Chemistry	5
CHEM120 - General Chemistry	5
MATH150 - Calculus and Analytic Geometry	5

Choose one of the following groupings: (total 8 units)	
PHYS101 - Introductory Physics	
PHYS102 - Intro Physics	8
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.

•The Biology AST qualifies for IGETC for STEM, which deferrers one course from IGETC GE AREA 3A/H, one course from IGETC GE AREA 4, and possibly one course from area 6.

•The Biology AST qualifies for CSU G.E. for STEM, which deferrers one course from CSU GE AREA C1/C2 and one course from area D.

\*\*Consult with Counselor regarding Math Placement\*\*

#### Mathematics Calculus Sequence and prerequisites:

MATH 135 ->MATH140-> MATH 150->MATH 160->MATH 220, MATH 250, MATH 230. (Trigonometry) (Precalc) (Calc 1) (Calc 2) (Linear Alg.) ,( Diff.Eq.), ( Calc 3)

## RECOMMENDED PATHWAY: AST Biology

The Recommended Plan of Study is determined by the discipline faculty. All Program Electives for the Major and General Education Courses are recommended only. Except for ENGL 101, you can make other selections for this area if you choose (See back page for GE options).

- [\*] = Courses will fulfill the completion requirements for Major & Gen Ed |
- [#] recommended courses may select other options.
  Electives are courses that count toward your credits for graduation, but not specific to degree of study.
- IGETC GE transfer pathways: CSU UC PRIVATE OUT OF STATE OR UNSURE CSU GE transfer pathways: CSU ONLY
- IGETC GE PATTERN: 2yrs HS LOTE or IGETC LOTE 101 & 102 Requirement (UC ONLY)
- Take classes in Summer or Intersession if needed to complete your degree in a timely manner! Fall/Spring: Max 19 units, 12-15 units Recommended.
- TERM 1 **CSU Gen-Ed Sequence IGETC Gen-Ed Sequence** Units IGETC5A/5C:\*CHEM 110 CSU B1/B3:\*CHEM 110 5 CSU B4: \*MATH 150 **IGETC 2: \*MATH 150** 5 CSU GE A2: ENGL 101 **IGETC 1A: ENGL 101** 3 CSU GE E: #COMM 107 **IGETC 3AH** 3 **Total Units** 16

TERM 2		
CSU Gen-Ed Sequence IGETC Gen-Ed Sequence		
CHEM 120		
CSU D: #POLS 101	IGETC 4: #POLS 101	3
CSU A3:#ENGL 102	IGETC 1B: #ENGL 103	3
#MATH 160 (Transfer Requirement)		
	Total Units	15

TERM 3		
CSU Gen-Ed Sequence	IGETC Gen-Ed Sequence	Units
CSU GE B2: *BIOL 110	IGETC 5B: *BIOL 110	5
CSU A2: #COMM 101	IGETC 1C (CSU ONLY)	3
CSU C2: #HIST 107	IGETC 3H: #HIST 110	3
PHYS 101 or PHYS 102		4
	Total Units	15

TERM 4		
CSU Gen-Ed Sequence	IGETC Gen-Ed Sequence	Units
CSU F	IGETC 7	3
CSU D	IGETC 4:	3
CSU C1	IGETC 3A	3
BIOL 120		5
PHYS 102 or PHYS 120		4
	Total Units	17

#### 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)

AVC 24-25 CATALOG: ACADEMIC POLICIES

	INFORMATION and RESOURCES	
Tutoring Assistance	Career Center	AVC Student Health Services
Transfer Center	Office of Students with Disabilities	Palmdale Center
Basic Needs	Financial Aid	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. Rev. 6/10/24 (Angie Gonzalez)

# AST-Biology for Transfer Degree 24-25



Curriculum (IGETC) 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. The course requirements for all areas must be completed before the IGETC can be certified. All courses must be completed with grades of "C" or better and may not be used in more than one area. Legend: () = Newly Approved, Effective Fall 2024	
Completion of all the requirements in the Intersegnental General Education Transfer Curriculum (ETC) may satisfy lower division general education requirements for students who transfer from Anteclope Valley College to a campus in either the California State completed before the IGETC can be certified.         Compl to a Statistic the exect completed before the IGETC can be certified.           all courses must be completed with grades of "C" or better and may not be used in more than one area. Legend: () = Newly Approved, Effective Fall 2024 - Summer 2025         Image: Complete Complet	
Curriculum (IGETC) 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. The course requirements for all areas must be completed before the IGETC can be certified.         In the course required in the the California State University of California system. The course requirements for all areas must be completed before the IGETC can be certified.         I courses must be completed with grades of 'C' or better and may not be used in more than one area. Legend: () = Newly Approved, Effective Fall 2024 - Summer 2025         I courses required, one from each group 9 semester or 12 quarter units UC - 2 courses required, one from each group 9 semester or 8 quarter units UC - 2 courses required, one each from groups (A) and (B) 6 semester or 8 quarter units UC - 2 courses, required, one each from groups (A) and (B) 6 semester or 8 quarter units UC - 2 courses, a semester or 4 quarter units 2A         AREA A: Group A English Composition: ENGL 101, (101H)         A1           1B         Group A English Composition: ENGL 102, (102H), 103 (103H); PHIL 201         A2           2A         MATH 110, 115, (115H), 116, 124, 128, 140, 148, 150, (150H), 160, 220, 230, 250         B1           3A         Courses, rom 3A, one from the 3B, and one additional course from either 3A or 3B 3A         B1           3A         ARTS: ART 100, 101, (101H), 102, 103, 104, 106; 10A 101; ENGL 202, 217, 220, 217, 225, 227, 250, 225, 259, 259, 259, 259, 259, 259, 259	
Than one area. Legend: () = Newly Approved, Effective Fall 2024         Stress (1)           gr	ornia ption o
S         z         AREA 1: ENGLISH COMMUNICATION           CSU - 3 courses required, one from each group 9 semester or 12 quarter units         AREA A: SUCKALAND ENDANCIATION           1A         Group A English Composition: ENGL 101, (101H)         A1           1B         Group B Critical Thinking: ENGL 102, (102H), 103 (103H); PHIL 201         A1           1B         Group C Oral Communication (CSU ONLY): COMM 101, (101H)         A1           1A         Group C Oral Communication (CSU ONLY): COMM 101, (101H)         A3           1AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING         AREA 8: units)On           1 course, 3 semester or 4 quarter units         Ci (50H), 160, 220, 230, 250           2A         MATH 110, 115, (115H), 116, 124, 128, 140, 148, 150, (150H), 160, 220, 230, 250           3A         Ci (50H), 160, 202, 230, 250           3A         Ci (50H), 160, 202, 230, 250           3A         Ci (50H), 100, 108, 101, (201H), 104, 106; DA 101; ENGL 201, 202, 203, 201, 202, 203, 251, 255, 257, 259, 265, 279; 265, 279	
CSU - 3 courses required, one each group 9 semester or 12 quarter units         9 semester or 12 quarter units           1A         Group A English Composition: ENGL 101, (101H)         A1           1B         Group B Critical Thinking: ENGL 102, (102H), 103 (103H); PHIL 201         A2           1C         Group C Oral Communication (CSU ONLY): COMM 101, (101H)         A3           AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING         AREA 3: 1 course, 3 semester or 4 quarter units         AREA 3: 2020, 220, 220, 220, 250           AREA 3: ARTS AND HUMANTIES         MATH 110, 115, (115H), 116, 124, 128, 140, 148, 150, (150H), 160, 220, 230, 250         B1           3A         Quarter units         ARTS: ART 100, 101, (101H), 102, 103, 104, 106; DA 101; ENGL 235; FTV 101, 107, 108, 201, 203; MUS 101, (101H), 100; XMUSC 102, 103, 107, 108; (109); TFM 201, 203, 251; GER 102, 201, 2012, 103, 107, 108; (109); FTM 201, 203, 251; GER 102, 201, 2013, 2015; TTV 101, 107, 108, 109; FTV 201, 203, 251; GER 102, 201, 2013, 2105; 106, 101, 102; 100H 107; SPAN 1105, 2012, 203, 2105S, 220S; THA 239, (23H)         B3           3A         Quarter units of 8 quarter units. Courses shall be completed in at least 2 different disciplines.         AREA 4: SOCIAL AND BENAVIORAL SCIENCEE 2 courses, 6 semester units of 8 quarter units. Courses shall be completed in at least 2 different disciplines.         AREA 10, 101H), 102, 104, 105, 101, 114, 114, 113, 114, 116, 118, 119; POLS 101, (101H), 102, 103, 102, 112, 120, 200; 2015, 106, 110, (101H), 102, 201, 221, 223, 234, 235, 236; SOC         C1           4	
Image: Control of the contro	er uni
Ib         201         AL           1C         Group C Oral Communication (CSU ONLY): COMM 101,(101H)         A3           AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING         A3           1 course, 3 semester or 4 quarter units         unitsjon           2A         MATH 110, 115, (115H), 116, 124, 128, 140, 148, 150, (150H), 160, 220, 230, 250         AREA 3: ARTS AND HUMANITIES           3 courses, 9 semester units or 12 quarter units         A Carts: ART 100, 101, (101H), 102, 103, 104, 105; DA 101; ENGL           3A         ATS: ART 100, 101, (101H), 102, 103, 104, 105; DA 101; ENGL         B1           3A         102, 103, 107, 108; (109); THA 101, (101H), 102, 259, 265, 279; FREN 102, 201, 202, 203; FTV 201, 203, 251; GER 102, 201, 202, 203; FREN 102, 201, 202, 203; FTV 201, 203, 251; GER 102, 201, 202, 203, 213, 235, 204, 235, 242, 253, (253, 244), 256, 257, 259, 256, 279; FREN 102, 201, 202, 203; FTV 201, 203, 251; GER 102, 201, 202, 203, 215; S20, 255, 279; FREN 102, 201, 202, 203; FTV 201, 203, 251; GER 102, 201, 202, 203, 215; S20, 255, 279; FREN 102, 201, 202, 203; FTV 201, 203, 251; GER 102, 201, 202, 203, 215; S20, 255, 279; FREN 102, 201, 202, 203; FTV 201, 203, 251; GER 102, 201, 202, 203, 215; S20, 255, 279; FREN 102, 201, 202, 203; FTV 201, 203, 251; GER 102, 201, 202, 203, 212; S20; S20, S21, 235, 205; THA 239, (239H)           AREA 4: SOCIAL AND BEHAVIORAL SCIENCE         AU 100, (101H), 100, (102H), 100, (102H), 110, (102H), 100, (102H), 110, (105, 110, 110, 110, 110, 110, 110, 110,	
AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING         AREA 1: Course, 3 semester or 4 quarter units           1 course, 3 semester or 4 quarter units         MATH 110, 115, (115H), 116, 124, 128, 140, 148, 150, (15H), 160, 220, 230, 250         AREA 3: ARTS AND HUMANITIES         a MATH 110, 115, (115H), 116, 124, 128, 140, 148, 150, (15H), 160, 220, 230, 250         B1           3 a         235; FTV 101, 100, 101, (101H), 102, 103, 104, 106; DA 101; ENGL         B1         B1           3 a         225; FTV 101, 107, 108, 201, 203; MUS 101, (101H), 105; MUSC         B2         B2           3 b         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 101, 02, 104, 105, 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 101, 102, 104, 105, 102, 201, 202; HIST 101, 102, 201, 202; HIST 101, 102, 201, 202; HIST 101, 202, 203, 215; GER 102, 201, 202, 203, 2105; 2055; THA 239, (239H)         B3           3 a         202; HIST 101, 102, 104, 105, 107, (107H), 108, (108H), 110, 100, 101, 110, 111, 1111, 113, 114, 116, 115, 107, 103; HIST 101, 102, 102, 100, 203, 212; CFE 102, 103; ECON 100, 101, (101H), 102, (102H), 110; DFST 105, 106, (103; HIST 101, 102, 104, 105, 107, (107H), 108, (108H), 110, 1114, 116, 118, 119; POLS 101, (101H), 102, (102H), 110; DFST 105, 106, 110; HIST 101, 102, 1014, 105, 107, (107H) 108, (108H), 110, 1114, 1114, 116, 118, 119; POLS 101, (101H), 102, (102H), 110; DFST 105, 106, 110; HIST 101, 102, 100, 200         AREA 2: Courses required 7 semester units or 9 quarter units         C1           4	
1 course, 3 semester or 4 quarter units         units)           2A         MATH 110, 115, (115H), 116, 124, 128, 140, 148, 150, (150H), 160, 220, 230, 250         Interval 150, 160, 220, 230, 250           AREA 3: ARTS AND HUMANITIES         3 and one additional course from either 3A or 3B         B1           3A         235; FTV 101, 107, 108, 201, 203, 104, 106; DA 101; ENGL 235; FTV 101, 107, 108, 201, 203, MUS 101, (101H), 105; MUSC 102, 103, 107, 108; (109); THA 101, (101H), 102, 25         B2           3B         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; 1015, 101, 102, 104, 105, 01, 202; 1015, 101, 102, 104, 105, 201, 202, 203, 2105, 2105; THO 102, 201, 404, 105, 201, 202, 203, 2105, 2105; THO 102, 103, 110, 112, (112H), 102, 102, 203, 2105, 2105; THO 2103, 200, 202, 203; THA 239, (239H)         B4           AREA 4: SOCIAL AND BEHAVIORAL SCIENCE         Autors of 8 quarter units. Courses shall be completed in at least 2 different disciplines.         AJ 206; ANTH 102, 103, 110, 112, (112H), 140; BUS 212; CFE 102, 103; ECON 100, 101, (101H), 102, (102H), 110; DFST 105, 107, (107H) 108, (108H), 110, 110, 111, 111, 111, 116, 118, 119; POLS 101, (101H), 102, (102H), 110; DFST 105, 107, (107H) 108, (108H), 110, 110, 111, 111, 111, 116, 116, 118, 119; POLS 101, (101H), 102, (102H), 110; DFST 105, 101, (101H), 105, 100, (101H), 103, 200, 202, 203; SOC 101, (101H), 105, 100, (101H), 102, 102, 200         AREA C: Conces and one biological science course; at least one course must include a lab. # meets 5C requirement         APPLAC C: Conces: ANTH 101, (101H), 200, 201, 202, 203, 204, 205, 205; SOC 101, (101H), 102, 204, 204#, 205#, 205#, 205#, 205#, 205#, 205#,	
2A         Instituting, (10)	e cours
3 courses, 9 semester units or 12 quarter units At lease one course from 3A, one from the 3B, and one additional course from either 3A or 3B       Image: Course from 3A, one from the 3B, and one additional course from either 3A or 3B         3A       ARTS: ART 100, 101, (101H),102, 103, 104, 106; DA 101; ENGL 235; FTV 101, 107, 108, 201, 203; MUS 101,(101H),105; MUSC 102, 103, 107, 108; (109); THA 101,(101H), 110, 225       B2         3B       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 101, 102, 104, 105, 107,(107H), 108,(108H), 110, or (104H), 111,(111H) 113, 115, 119; LATN 102, 201; PHIL 105, 3B       B3         AREA 4: SOCIAL AND BEHAVIORAL SCIENCE 2 courses, 6 semester units or 8 quarter units. Courses shall be completed in at least 2 different disciplines.       AI 206; ANTH 102, 103, 110, 112,(112H),140; BUS 212; CFE 102, 103; ECON 100, 101,(101H), 103, 200, 202, 203; PSY 101, (101H) 08(108H), 110, (101H), 103, 200, 202, 203; PSY 101, (101H),200, 201, 212, 230, 232, 233, 234, 235, 236; SOC 101, (101H),105, 110, 111, 112, 115, 116, 120, 200       AREA C: One course at least 2 courses required, 7 semester units or 9 quarter units One physical science course and one biological science course; at least one course must include a lab. # meets 5C requirement       C1         5A       B: BIOLOGICAL SCIENCES: ASTR 101 (101H); CHEM 101#, 102#, 103#, 104, (104H), 102#, 101#, 102#, 101#, 102#, 204#, 205# # Must register for required lab component separately       C1         5B       B: BIOLOGICAL SCIENCES: ANTH 101 (101H); BIOL 101L; GEOG 101L, 102L; GEOL 101L, 102L;       C1       AREA D: Courses       C1	leted :
3A         ARTS: ART 100, 101, (101H), 102, 103, 104, 106; DA 101; ENGL 235; FTV 101, 107, 108, 201, 203; MUS 101, (101H), 105; MUSC 102, 103, 107, 108; (109); THA 101, (101H), 110, 225         B2           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 101, 102, 104, 105, 107, (107H), 108, (108H), 110, (110H), 111, (111H) 113, 115, 119; LATN 102, 201; PHIL 105, 3B         B3           AREA 4: SOCIAL AND BEHAVIORAL SCIENCE 2 courses, 6 semester units or 8 quarter units. Courses shall be completed in at least 2 different disciplines.         AJ 206; ANTH 102, 103, 110, 112, (112H), 140; BUS 212; CFE 102, 103; ECON 100, 101, (101H), 102, (102H), 110; DFST 105, 106, (107H) 108, (108H), 110, (110H), 111, (111H), 113, 114, 116, 118, 119; POLS 101, (101H) 103, 200, 202, 203; PSY 101, (101H), 200, 201, 212, 230, 232, 233, 234, 235, 236; SOC 101, (101H), 102, 100, 111, 112, 115, 116, 120, 200         C1           AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES At least 2 courses required, 7 semester units or 9 quarter units One physical science course and one biological science course; at least one course must include a lab. # meets 5C requirement.         C1           5A         B: BIOLOGICAL SCIENCES: ASTR 101 (101H); CHEM 101#, 102#, 103#, 104, (104H), 102; PHYS 101#, 102#, 104#, 205#, 205#, 201#, 103#, 104, (104H), 104#, 201#, 202#, 204#, 205#         C1 or C2           5B         B: BIOLOGICAL SCIENCES: ANTH 101 (101H); BIOL 101+#, 102#, 103#, 104, (104H), 102; PHYS 101#, 102#, 204#, 205#         C1 or C2           5C         C: LABORATORY: ANTH 101L; ASTR 101L; BIOL 101L; GEOG 101L, 102L; G	
3B         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 101, 102, 104, 105, 107, (107H), 108,(108H), 110, or 3B         B3           AREA 4: SOCIAL AND BEHAVIORAL SCIENCE 2 courses, 6 semester units or 8 quarter units. Courses shall be completed in at least 2 different disciplines.         AJ 206; ANTH 102, 103, 100, 112,(112H),140; BUS 212; CFE 102, 103; ECON 100, 101,(101H), 102,(102H), 110; DFST 105, 106, 110;GEOG 105, 106, 110; HIST 101, 102, 104, 105, 106, 110;GEOG 105, 106, 110; HIST 101, 102, 104, 105, 107,(107H) 108,(108H), 110, (110H),111,(111H), 113, 114, 116, 118, 119; POLS 101,(101H) 103, 200, 202, 203; PSY 101, (101H),200, 201, 212, 230, 232, 233, 234, 235, 236; SOC 101, (101H),105, 110, 111, 112, 115, 116, 120, 200         C1           AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES At least 2 course required, 7 semester units or 9 quarter units One physical science course and one biological science course; at least one course must include a lab. # meets 5C requirement         C2           5A         B: BIOLOGICAL SCIENCES: ASTR 101 (101H); CHEM 101#, 102#, 100#, 100#, 100#, 100#, 100#, 100#, 100#, 200#, 200#, 200#, 200#         C1           5B         B: BIOLOGICAL SCIENCES: ASTR 101 (101H); BIOL 101+#, 102#, 101#         C1         AREA D: C2           5C         C: LABORATORY: ANTH 101L; ASTR 101L; BIOL 101L; GEOG 101L, 102L; GEOL 101L, 102L         D1	
3A or 3B         202; HIST 101, 102, 104, 105, 107, (107H), 108, (108H), 110, (110H), 111, (111H) 113, 115, 119; LATN 102, 201; PHIL 105, (105H), 106, 108, 109; PHOT 107; SPAN 11055, 201, 202, 203, 21055, 22055; THA 239, (239H)         B4           AREA 4: SOCIAL AND BEHAVIORAL SCIENCE 2 courses, 6 semester units or 8 quarter units. Courses shall be completed in at least 2 different disciplines.         AREA 2: 102, 103; ECON 100, 101, (101H), 102, (102H), 110; DFST 105, 106, 110; GEOG 105, 106, 110; HIST 101, 102, 104, 105, 107, (107H) 108, (108H), 110, (110H), 111, (111H), 113, 114, 116, 118, 119; POLS 101, (101H) 103, 200, 202, 203; PSY 101, (101H), 200, 201, 212, 230, 232, 233, 234, 235, 236; SOC 101, (101H), 105, 110, 111, 112, 115, 116, 120, 200         C1           AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES: At least 2 courses required, 7 semester units or 9 quarter units One physical science course and one biological science course; at least one course must include a lab, # meets 5C requirement         C2           5A         A: PHYSICAL SCIENCES: ASTR 101 (101H); CHEM 101#, 102#, 100#         C1           5B         B: BIOLOGICAL SCIENCES: ASTR 101 (101H); CHEM 101#, 102#, 101#         C1           5C         C: LABORATORY: ANTH 101L; ASTR 101L; BIOL 101L; GEOG 101L, 102L; GEOL 101L, 102L         D1	
AREA 4: SOCIAL AND BEHAVIORAL SCIENCE 2 courses, 6 semester units or 8 quarter units. Courses shall be completed in at least 2 different disciplines.         AREA 1: 0           4         102, 103; ECON 100, 101, (101H), 102, (102H), 110; BUS 212; CFE 102, 103; ECON 100, 101, (101H), 102, (102H), 110; DFST 105, 106, 110;GEOG 105, 106, 110; HIST 101, 102, 104, 105, 107, (107H) 108, (108H), 110, (110H), 111, (111H), 113, 114, 116, 118, 119; POLS 101, (101H) 103, 200, 202, 203; PSY 101, (101H), 200, 201, 212, 230, 232, 233, 234, 235, 236; SOC 101, (101H), 105, 110, 111, 112, 115, 116, 120, 200         C1           AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES: At least 2 courses required, 7 semester units or 9 quarter units One physical science course and one biological science course; at least one course must include a lab. # meets 5C requirement         C2           5A         A: PHYSICAL SCIENCES: ASTR 101 (101H); CHEM 101#, 102#, 100#         C1           5B         B: BIOLOGICAL SCIENCES: ASTR 101 (101H); CHEM 101#, 102#, 103#, 104, (104H), 102; PHYS 101#, 102#, 202#, 204#, 205#         C1           5C         C: LABORATORY: ANTH 101L; ASTR 101L; BIOL 101L; GEOG 101L, 102L; GEOL 101L, 102L         D1	-
different disciplines.         One count           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 101, 102, 104, 105, 107,(107H) 108,(108H), 110,(110H),111,(111H), 113, 114, 116, 118, 119; POLS 101,(101H),103, 200, 202, 203; PSY 101, (101H),200, 201, 212, 230, 232, 233, 234, 235, 236; SOC 101, (101H),105, 110, 111, 112, 115, 116, 120, 200         C1           AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES At least 2 courses required, 7 semester units or 9 quarter units One physical science course and one biological science course; at least one course must include a lab. # meets 5C requirement         C2           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#         C1           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 separately         AREA D: Courses           5C         C: LABORATORY: ANTH 101L; ASTR 101L; BIOL 101L; GEOG 101L, 102L; GEOL 101L, 102L         D1	
4         102, 103; ECON 100, 101,(101H), 102,(102H), 110; DFST 105, 106, 110;GEOG 105, 106, 110; HIST 101, 102, 104, 105, 107,(107H) 108,(108H), 110, (110H), 111,(111H), 113, 114, 116, 118, 119; POLS 101,(101H) 103, 200, 202, 203; PSY 101, (101H),200, 201, 212, 230, 232, 233, 234, 235, 236; SOC 101, (101H),105, 110, 111, 112, 115, 116, 120, 200         C1           AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES At least 2 courses required, 7 semester units or 9 quarter units One physical science course and one biological science course; at least one course must include a lab. # meets 5C requirement         C2           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#         C1           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 separately         AREA D: Courses:           5C         C: LABORATORY: ANTH 101L; ASTR 101L; BIOL 101L; GEOG 101L, 102L; GEOL 101L, 102L         D1	
At least 2 courses required, 7 semester units or 9 quarter units       C2         One physical science course and one biological science course; at least one course must include a lab. # meets 5C requirement       C2         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#       C1         5B       B: BIOLOGICAL SCIENCES: ANTH 101 (101H); BIOL 101*#, 102#, 102#, 103#, 104, (104H), 110#, 120#, 201#, 202#, 204#, 205#       AREA D: C2         5C       C: LABORATORY: ANTH 101L; ASTR 101L; BIOL 101L; GEOG 101L, 102L;       D1	T
5A         110#, 120#, 210#, 220#; ERSC 101#; GEOG 101, 102; GEOL 101,(101H), 102; PHYS 101#, 102#, 110#, 120#, 211#; PSCI 101#         C1           5B         B: BIOLOGICAL SCIENCES: ANTH 101 (101H); BIOL 101*#, 102#, 103#, 104, (104H),110#, 120#, 201#, 202#, 204#, 205#         AREA D: Courses:           5C         C: LABORATORY: ANTH 101L; ASTR 101L; BIOL 101L; GEOG 101L, 102L; GEOL 101L, 102L         D1	
5B         B: BIOLOGICAL SCIENCES: ANTH 101 (101H); BIOL 101*#, 102#, 103#, 104, (104H), 104, 120#, *# Must register for required lab component separately         AREA D: Courses:           5C         C: LABORATORY: ANTH 101L; ASTR 101L; BIOL 101L; GEOG 101L, 102L; GEOL 101L, 102L         D1	
GEOG 101L, 102L; GEOL 101L, 102L D1	
AREA 6: LANGUAGE OTHER THAN ENGLISH (UC REQUIREMENT ONLY)	
Proficiency equivalent to two years of high school in the same language with a grade of "C" OR earn a score of 3 or higher on the AP Foreign Language test, OR 550 on the College Board Achievement Test in Foreign Language OR complete one of the foreign language courses listed below.	
6         CHIN 102, 201, 202; DFST 102, 201, 202; FREN 102, 201, 202, 203; GER 102, 201, 202; LATN 102, 201; SPAN 102, 201, 202, 203, 11055, 21055, 22055         AREA E: for 4 uni be substitute	s** Bas
AREA 7: ETHNIC STUDIES1 course, 3 semester or 4 quarter units *Reduction of units in Area 4 and inclusion of Area 7 take effect for students matriculating at a California community college beginning in Fall 2023	
7     I     EGG 1257 or ETHN 257EN       CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION, AND AMERICAN IDEALS     F	ETHNIC
(Not part of IGETC, may be completed prior to transfer). 2 courses, 6 semester units or 8 quarter units. May also apply to Area 3B & 4.	
HIST 107 & POLS 101; HIST 108 & POLS 101; HIST 110 & POLS 101; HIST 111 & POLS 101 A.I.	above

# TRANSFER OPTION 2 - MIN GPA 2.0 [CSU ONLY]

# 24-25 CSU PLAN

[CSU General Education Requirements]

Completion of all the requirements in the CSU General Education Breadth may satisfy lower division general education requirements for students who transfer from Antelope Valley College to a California State University campus. Courses may not be used in more than one area with the exception of American Institutions requirement.

Legend: () = Newly Approved, Effective Fall 2024

GE AREA	COMPLETED	IN PROGRESS	NEED	Advising Form Effective Fall 2024 - Summer 2025
9 sen	AREA A: ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING 9 semester units (12 quarter units); One course in each Subareas A1, A2, and A3. Grade of "C" or better required all Area A.			
A1				A1 Oral Communication: COMM 101,(101H), 201
A2				A2 Written Communication: ENGL 101, (101H)
A3				A3 Critical Thinking: COMM 110, 115; ENGL 102, (102H),103 (103H); PHIL 101, 106, 110, 201, (210)
units)	One co	urse e	ach in	JIRY AND QUANTITATIVE REASONING- 9 semester units (12 quarter Subareas B1, B2, and B4, plus laboratory activity (B3) related to one of purses. # meets B3 requirement
B1				B1 Physical Science: 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#
B2				B2 Life Science: ANTH 101,(101H); BIOL 101*#, 102#, 103#, 104,(104H), 110#, 120#, 201#, 202#, 204#, 205# *# Must register for required lab component separately
B3				B3 Laboratory Activity: ANTH 101L; ASTR 101L; BIOL 101L; GEOG 101L, 102L; GEOL 101L, 102L
B4				B4 Mathematics/Quantitative Reasoning: Grade of "C" or better required in Area B4 MATH 103, 110, 115, (115H),116, 120, 124, 128, 131, 135, 140, 148, 150,(150H), 160, 220, 230, 250
				ANITIES- 9 semester units (12 quarter units) eas C1 and C2, and one additional course from either C1 or C2.
C1				C1 Arts: ART 100, 101, (101H),102, 103, 104, 106, 113, 132, 135, 137, 140, 145, 163, 170, 213; COMM 112, 114; DA 101; FTV 101, 107, 108, 201, 203, 251; HIST 115; MUS 101,(101H), 105, (106),(110),111, 121, 126, 131, 132, 151, 1538, 160, 166, 185, 231,251A, 251B; MUSC 102, 103, 107, 108,(109), 142, 173, 220A, 273; PHTC 101, 150, 201; PHOT 107; THA 101, (101H),102, 110, 130, 225
C2				C2 Humanities: CHIN 101, 102, 201, 202; COMM 112, 217, 219; DFST 101, 102, 201, 202; ENGL 102, 111, 112, 221, 222, 225, 227, 230, 231, 235, 242, 253, (253H), 256, 257, 259, 265, 279; FREN 101, 102, 201, 202, 203; FTV 201, 203, 251; GER 101, 102, 201, 202; HIST 101, 102, 104, 105, 107, (107H), 108, (108H), 110, (110H),
C1 or C2				111,(111H), 113, 115, 118, 119; LATN 101, 102, 201; MUSC 108; NF 150; PHIL 105,(105H), 106, 108, 109,(130), (140); PHOT 107; SPAN 101, 110SS, 102, 201, 202, 203, 210SS, 220SS; THA 239,(239H)
				E- 6 semester units (8 quarter units) ed in at least 2 different disciplines.
D1				AJ 206; ANTH 102, 103, 110, 112, (112H),140; BUS 212; CFE 102, 103; DFST 105, 106, 110; ECON 100, 101,(101H), 102,(102H) 110;
D2				F10;         GEOG 105, 106, 110;         HIST 101, 102, 104, 105, 107, (107H),108,(108H),           110,(110H), 111,(111H), 113, 114, 116, 118, 119;         POLS 101,           (101H),103, 200, 201, 202, 203;         PSY 101, (101H),200, 201, 212, 230, 232, 233, 234, 235, 236;         SOC           101, (101H),105, 110, 111, 112, 115, 116, 120, 200         For any constant of the second sec
AREA E: LIFELONG LEARNING & SELF-DEVELOPMENT- 3 semester units (4 quarter units) DD214 for 4 units** Basic Military Training notated on an official Military Transcript (e.g. CCAF, JST) may be substituted for the DD214				
E	Journal			CFE 102; COMM 107; DA 108, 111; HE 101, 120; HD 101, 102, 105; NF 100, 103, 150; PSY 212, 236;
AREA	F: ETH	INIC S	TUDIES	SOC 111, 116, 120 S- 3 semester (4 quarter units)
F				ENGL 257 or ETHN 257EN, (ETHN 110), (ETHN 111), (ETHN 112), (ETHN 113)
	merica d D abo		ıls- 6 s	emester (8 quarter units) Select one pair. Courses may also apply to Area
A.I.				HIST 107 & POLS 101; HIST 108 & POLS 101; HIST 110 & POLS 101; HIST 111 & POLS 101

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. Rev. 6/10/24 (Angie Gonzalez)