



AS-Biological Sciences 23-24

Recommended Plan of Study - Counseling

All courses with a + sign indicate a pre-requisite or co-requisite

Students who intend to transfer as Biology majors are encourage to follow the Transfer degree in Biology.

GP

Term 1 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units	Term 3 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units
GE Area B #ANTH 102 or ANTH 112 or GEOG 106 or POLS 101	3	BIOL 110+, General Molecular Cell Biology	5
GE Area D2 #MATH 140	4	# PHYS 101, Introduction to Physics	4
GE Area D1 (English 101+)	3	GE Area F	3
GE Area E #COMM 107 or 219	3	Elective	4
# Recommended.	Total	<i>If transferring, consider the Transfer Degree in Biology</i>	Total
	13		16
Term 2 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units	Term 4 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units
BIOL 120+, General Organismal, Ecological & Evolutionary Biol.	5	Prog. Elec. CHEM 120+, General Chemistry	5
GE Area A Prog. Elec. CHEM 110+, General Chemistry	5	# PHYS 102+, Introduction to Physics	4
GE Area C #PHIL 106	3	General Elective	3
Elective	3	General Elective	3
(Summer: Max. 15 units, 12 units recommended)	Total	Total	Total
	16		15
Transfer or Graduate			

Take Summer classes if needed to complete the program in a timely manner.

The state requires all students to have a Comprehensive Educational Plan. Make a counseling appointment as soon as enrollment is established on any term. Come by the Counseling Center or call. Online Counseling is available: <https://www.avc.edu/student-services/counseling>

Major Required Courses:	Units	List of Courses
BIOL 110+, General Molecular Cell Biology	5	POLS 101, 103, 200, 201+, 202+, 203+
BIOL 120+, General Organismal, Ecological & Evolutionary	5	PSY 101, 200+, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+
Program Electives: Complete 8 to 10 units from the following:		SOC 101, 105, 110, 111, 112, 115, 116, 120, 200+
BIOL 201+, General Human Anatomy	4	Area C Humanities: (min. 3 units)
BIOL 202+, General Human Physiology	4	ART 100, 101, 102, 103, 104, 106, 110, 113, 120, 132, 135, 136+, 137+, 140, 145,
BIOL 204+, General Microbiology	5	150, 163+, 170+, 210+, 213+
CHEM 110+, General Chemistry	5	CHIN 101, 102+, 201+, 202+
CHEM 120+, General Chemistry (pre-req CHEM 110 & MATH 140)	5	COMM 112, 114, 214+, 217+, 219+
Units Required for the Major: 18-20		DA 101
<i>other requirements for degree</i>		DFST 101, 102+, 105, 106, 201+, 202+
General Education	21-27	ENGL 102, 111+, 112+, 221+, 222+, 225+, 227+, 230+, 231+, 235+, 242+,
Proficiency (See Proficiency Requirements)	*	253+, 256+, 257+, 259+, 265+, 279+
Electives	15-21	FREN 101, 102+, 201+, 202+, 203+
Minimum Units Required for AS Degree 60		FTV 101, 103, 107, 108, 201, 203, 241, 251, 261
Other Requirements:		GER 101, 102+, 201+, 202+
<ul style="list-style-type: none"> • Minimum grade of "C" required on each course • Maximum of 12 pass/no-pass units accepted for the Degree • Refer to catalog or online website for course listings and descriptions 		HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 115, 118, 119
Students who intend to transfer are strongly encouraged to complete either the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breath (CSU GE)		LATN 101, 102+, 201+
AS General Education: At least 3 units from each of the following areas below: A, B, C, D1, D2, E, and F. Minimum Total GE Units Required 21		MUS 101, 105, 111, 121+, 131, 132+, 151+, 153+, 185+, 231+, 232+, 251A+,
Area A Natural Sciences: (min. 3 units)		251B+, 253A+, 253B+
ANTH 101, 101L		MUSC 102, 103, 107, 108, 109
ASTR 101+, 101L+		NF 150
BIOL 100, 101+, 101L+, 102, 103, 104, 110+, 120+, 201+, 202+, 204+,		PHIL 105, 106, 108, 109
CHEM 101+, 102+, 110+, 120+, 210+, 220+		PHOT 107
ELTE 101		PHTC 101, 150+, 201+
ERSC 101+		SPAN 101, 110SS, 102+, 201+, 202+, 210SS+, 220SS+
GEOG 101+, 101L+, 102, 102L+		THA 101, 102, 103, 110, 115A, 115B+, 116A+, 116B+, 117A+, 117B+, 118A+,
GEOL 101+, 101L+, 102+, 102L+		118B+, 121A, 121B, 130, 133, 225+, 239
PHYS 101, 102+, 110+, 120+, 211+		Area D Language & Rationality: (min. 3 units from (1) and 3 units from (2))
PSCI 101		1. <i>Academic Composition:</i> Courses fulfilling the written composition requirement shall be designed to include both expository and argumentative writing.
Area B Social & Behavioral Sciences: (min. 3 units)		ENGL 101+
AJ 201, 204, 206		2. <i>Communication and Analytical Thinking</i>
ANTH 102, 103, 110, 112, 140		BUS 113+
BUS 101, 212		CA 103
CFE 102, 103+		CS 120, 121, 122, 123
COMM 217+		COMM 101, 107, 109, 112, 114, 115, 217+, 219+
DFST 105, 106, 110		ENGL 102+, 103+
ECON 100, 101+, 102+, 110		GEOG 201, 205
GEOG 105, 106, 110		MATH 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+
HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116+, 118, 119		150+, 160+, 220+, 230+, 250+
		PHIL 101, 106, 110, 201+
		Area E - Additional Breadth: (min. 3 units)
		From areas A**, B**, C**, D2,** or
		DA 111
		HD 100, 101, 102, 103, 105
		HE 101, 120, 201
		KINT 100

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LIB 107, 110
NF 100, 102, 103, 110

Any DA activity course(s) from DA102-205, except DA 107A-C, 108, 109, and 111. Any Kinesiology Fitness (KINF) activity course, Intercollegiate Athletics (IATH) activity course, or up to 4 units for military experience.

**** Courses must be taken from a discipline not previously selected.**

Area F Diversity Studies: (min. 3 units)

ANTH 102, 112	FTV 201, 203
BUS 212	HE 201+
CFE 116+	HIST 110, 111, 113
COMM 114, 217+, 219+	MUSC 107, 108
DFST 105, 106	POLS 202+
ECON 110	SOC 105, 110, 116
ENGL 250+, 253+, 256+, 257+, 259+	THA 239

Proficiency Requirements

Proficiency requirements exist for the areas of Writing and Math. Students must demonstrate competency in each of these areas in order to be eligible for the associate degree.

A. WRITING

Completion of ENGL 101 with a minimum grade of "C." NOTE: ENGL 101 may be taken with the Pass/No Pass option; however, students are cautioned that other colleges and universities may not accept ENGL 101 courses taken on a Pass/No Pass basis, especially for satisfaction of general education and major requirements. Students planning to transfer should check college catalogs for applicable policies.

B. MATHEMATICS

Completion of MATH 102 or higher or CIS 121 with a satisfactory grade or placement by AVC assessment into a math course higher than MATH 102.

***Fulfilling proficiencies** will not require any extra units if the competencies are demonstrated by including the required courses in the general education, or major requirements, or by satisfying the reading proficiency through AVC's policy.

Electives: The remaining number of units (up to a minimum of 60) are considered electives. Any course that has already been counted toward (1) the general education requirements, or (2) the major, cannot be used as an elective. Any course with a designation of "AVC" at the end of a course description can be used as an elective.

Grade Point Average Requirement: An overall grade point average of 2.0 ("C" average) is required.

Double Counting: While a course might satisfy more than one general education requirement, it may not be counted more than once for these purposes. A course may be used to satisfy both a general education requirement and a major or area of emphasis requirement.

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>

Requirements for Two or More Associate Degrees: To be eligible for multiple associate degrees, a student must have completed all of the graduation requirements for each degree.

Transfer: Students planning to continue studies at a four-year college or university after AVC should visit the Transfer Resource Center or the Counseling Center and consult with a counselor as soon as possible to develop a plan of studies. Additional preparation for the major information on official transfer articulation agreements from AVC to many CSU/UC campuses can be found at the following Web site: www.assist.org

The "Catalog Rights Policy" sets forth the criteria used for determining the degree requirements under which students may graduate. Please refer to the AVC Catalog for a detailed description or consult with a counselor.

Advisory: A condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program.

Prerequisite: A condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. Prerequisites are enforced and a student will be blocked from enrolling or involuntarily dropped after enrolling if the student does not meet the stated prerequisite. A student must complete a course prerequisite with a satisfactory grade of A, B, C or P (pass).

Corequisite: A condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. Corequisites are enforced and a student will be blocked from enrolling if the student does not meet the stated corequisite.