BIOLOGY, ASSOCIATE IN SCIENCE FOR TRANSFER

The Associate in Science in Biology for Transfer (AS-T) is intended for students who plan to transfer and complete a bachelor's degree in Biology, or a "similar" major at a CSU campus. Students completing this AS-T degree are guaranteed admission to the CSU system, but not necessarily to a particular CSU campus or major of their choice. For a current list of what majors (and what options or areas of emphasis within that major) have been designed as "similar" to this degree at each CSU campus, please refer to ***adegreewithaguarantee.com*** and seek guidance from a Moorpark College counselor. Students completing this degree are guaranteed admission to the CSU system but not necessarily to a particular campus or major of choice.

To earn an AS-T in Biology, students must:

1. Complete of **60** semester or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
   a. The Intersegmental General Education Transfer Curriculum (IGETC)* or the California State University General Education-Breadth (CSU GE-Breadth)* requirements
   b. A minimum of **33-35** semester units in a major.
2. Obtain a minimum grade point average (GPA) of at least **2.0** in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some transfer institutions and majors may require a higher GPA. Please consult with a counselor for more information.
3. Obtain a grade of "**C**" or better or "**P**" in all courses required in the major. Even though a "pass-no-pass" is allowed (Title 5 §55063), it is highly recommended that students complete their major courses with a letter grade (A, B, or C).
4. Complete requirements in residency. For students in the Ventura County Community College District, a minimum of 12 units must be completed in residency at the college granting the degree.

Students transferring to a CSU campus that **does** accept the AS-T in Biology will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major at a particular campus). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor to obtain more information on university admission and transfer requirements.

NOTE:

* This AS-T presumes completion of IGETC or CSU GE-Breadth for STEM, allowing for completion of 6 units of non-STEM GE work after transfer.

Course ID	Title	Units/ Hours
Required Core		
BIOL M02A/M02AH	General Biology I	5
BIOL M02B	General Biology II	5
LIST A: Select and complete the following		
Complete two semesters of General Chemistry		10
CHEM M01A/M01AH	General Chemistry I	5
CHEM M01B	General Chemistry II	5
Select and complete one Calculus course		3-5
MATH M25A/M25AH	Calculus with Analytic Geometry I	5
MATH M16A	Applied Calculus I	3
Complete two semesters of Physics		10
PHYS M10A	General Physics I	4
PHYS M10AL	General Physics I Lab	1
PHYS M10B	General Physics II	4
PHYS M10BL	General Physics II Laboratory	1
OR		
PHYS M20A	Mechanics of Solids and Fluids	4
PHYS M20AL	Mechanics of Solids and Fluids Laboratory	1
PHYS M20B	Thermodynamics, Electricity, and Magnetism	4
PHYS M20BL	Thermodynamics, Electricity, and Magnetism Laboratory	1
Total Units for Major: 33-35		
General Education Requirements: To comply with SB 1440 and to not exceed the maximum units allowed, the CSU GE-Breadth for STEM or the IGETC for STEM is the recommended GE pattern to be used for this transfer degree.		
CSU General Education-Breadth for STEM: 33		
Double-Counted Units: 9		
Electives to meet 60 CSU units: 1- 3		
IGETC for STEM Pattern: 31. NOTE: IGETC 1C is required for all CSU applicants. Students applying to a UC or Private school may earn this ADT without IGETC 1C but will be ineligible to apply to a CSU.		
Double-Counted Units: 10		
Electives to meet 60 CSU units: 2 - 4		
Total Units Required for the AS-T Degree: 60		

Upon successful completion of this program, students will be able to:

- understand how evolutionary principles provide a comprehensive model for understanding the origins and relationships of living organisms.
- utilize the scientific method to critically analyze data and results.
- demonstrate an understanding of biological observation and experiments as well as the information and theories derived from both of these methods of study.