

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 adgreewithaguarantee.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:

- Complete of **60** semester or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - The Intersegmental General Education Transfer Curriculum (IGETC)* or the California State University General Education-Breadth (CSU GE-Breadth)* requirements
 - A minimum of **33-35** semester units in a major.
- 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.
- 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).
- 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.