

# Moorpark College

## Biology, Associate in Science for Transfer (AS-T)

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### Program Goals and Objectives

This transfer degree helps students focus on core prerequisite courses and supports them as they move toward their goal. Students who complete this degree will satisfy lower division general education and major requirements for transfer to CSU Biology programs. Further, students who complete the degree will be guaranteed admission to the CSU system.

### Program Student Learning Outcomes

**Upon completion of this program a student will be able to:**

- demonstrate an understanding of 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.

### Catalog Description

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. Each CSU campus determines which of the degrees it offers are "similar" and can be completed with the preparation included in the AS-T in Biology within 60 units once a student transfers, so which majors are "similar" varies from CSU to CSU. For a current list of what majors (and what options or areas of emphasis within that major) have been designated as "similar" to this degree at each CSU campus, please refer to CSU's Associate Degree for Transfer Major and Campus Search [CSU's Associate Degree for Transfer Major & Campus Search](#) website and seek guidance from a Moorpark College counselor. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

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

1. Complete a minimum of 60 semester or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The California General Education Transfer Curriculum (Cal-GETC) requirements.
  - b. The required coursework for the AS-T in Biology as listed in the Moorpark College catalog.

2. Complete all courses in the major and the Cal-GETC with a grade of “C” or better or “Pass/Credit” if the course is taken on a "pass-no-pass" basis. Even though a “Pass/Credit” grade is allowed, it is highly recommended that students complete their major courses with a letter grade (A, B, or C). **Note:** the UC system allows a maximum of 14 semester (21 quarter) units of courses graded "Pass/Credit" toward the 60 transferable semester units required for transfer admission.

3. Obtain a minimum grade point average (GPA) of 2.0 in all CSU-transferable coursework. While a minimum GPA 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.

4. Complete a minimum of 12 semester units within the Ventura County Community College District.

Students transferring to a CSU campus that accepts the AS-T in Biology will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. 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.

Course ID	Title	Units/Hours
<b>REQUIRED CORE: Complete the following (10 units)</b>		
BIOL M02A	General Biology I	5
or BIOL M02AH	Honors: General Biology I	
BIOL M02B	General Biology II	5
or BIOL M02BH	Honors: General Biology II	
Units from LIST A		23 - 25
Total Units for the Major		33 - 35
<b>LIST A: Complete the following</b>		<b>23 - 25</b>
CHEM M01A	General Chemistry I	5
or CHEM M01AH	Honors: General Chemistry I	
CHEM M01B	General Chemistry II	5
One Calculus Course		3 - 5
MATH M25A	Calculus with Analytic Geometry I	3-5
or MATH M25AH	Honors: Calculus with Analytic Geometry I	
or MATH M16A	Applied Calculus I	

One Physics series		10
PHYS M10A & M10AL	General Physics I and General Physics I Lab	4, 1
PHYS M10B & M10BL	General Physics II and General Physics II Laboratory	4, 1
OR		
PHYS M20A & M20AL	Mechanics of Solids and Fluids and Mechanics of Solids and Fluids Laboratory	4, 1
PHYS M20B & M20BL	Thermodynamics, Electricity, and Magnetism and Thermodynamics, Electricity, and Magnetism Laboratory	4, 1
<b>Total Units for the Major</b>		<b>33 - 35</b>
General Education Pattern (Cal-GETC)		34
Double-Counted Units		10
Elective Units		1 - 3
<b>Total Units for the AS-T Degree</b>		<b>60</b>