

BIOLOGICAL SCIENCES, ASSOCIATE IN SCIENCE

The Associate in Science in Biological Science degree is in alignment with the University of California (UC) Transfer Pathways and is intended to prepare students who plan to transfer to a UC as a Biology major. In addition to meeting the minimum UC transfer admission requirements, students completing this degree will have met the major preparation requirements for admission to the UC. Students are encouraged to work with a counselor and consult the ASSIST database for possible additional coursework and transfer requirements.

To earn an Associate in Science Degree with a major in Biological Sciences, students complete 40 specified units, plus General Education Degree Requirements. These major requirements optimize preparation for upper-division coursework for advanced degrees in Biology offered by four-year institutions. In addition, earning this degree suggests an achievement of technical skills that may be helpful in seeking immediate employment. The course requirements for the Biological Science degree include the general education requirements (preferred IGETC) and the following courses.

In addition to General Education degree requirements, complete the following:

Course ID	Title	Units/ Hours
General Education		
Required Courses		
BIOL M02A or BIOL M02AH	General Biology I Honors: General Biology I	5
BIOL M02B	General Biology II	5
CHEM M01A or CHEM M01AH	General Chemistry I Honors: General Chemistry I	5
CHEM M01B	General Chemistry II	5
CHEM M07A	Organic Chemistry I	5
CHEM M07B	Organic Chemistry II	5
MATH M25A or MATH M25AH	Calculus with Analytic Geometry I Honors: Calculus With Analytic Geometry I	5
MATH M25B	Calculus with Analytic Geometry II	5
Total Units		40

Course ID	Title	Units/ Hours
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TRANSFER NOTES

Some of UC's biology majors also require one year of calculus-based physics with lab (not trigonometry-based physics) and/or one term of statistics before graduation from UC. Students can complete these courses at Moorpark College if schedule allows, but students can also complete them after transfer without negatively affecting their competitiveness for admission to UC.

The following are recommended but not required for the AS degree

Physics Sequence:		
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
MATH M15 or MATH M15H	Introductory Statistics Honors: Introductory Statistics	4

Total Required Major Units: 40

MC General Education Pattern: 28

Double-Counted Units: 9

Electives to meet 60 associate degree units: 1

Total Required for the AS Degree: 60

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

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