

Associate of Science Degree

The Associate in Science (AS) degree in Biology at Crafton Hills College is designed to meet the needs of students transferring to a 2 or 4 year institution who intend to major in Biology or a related field of study.

Learn more about the [degree requirements here](#).

Program Learning Outcomes

A student receiving a degree in this field will be able to:

- 1) Demonstrate the processes and skills associated with biological science research, including an integrated working knowledge of instrumentation and biological processes.
- 2) Demonstrate critical thinking skills through analysis of experimental data then drawing conclusions, and making predictions based on evidence.
- 3) Communicate biological ideas and processes clearly and precisely, both orally and in writing.

Semester 1 – Fall – 15 Units	Units
CHEM 101 Intro to Chemistry	4
Math 103 Plane Trigonometry	4
ENGL 101 Freshman Composition	4
Health and Wellness GE (Area E)	2
Arts GE (Area C2)	1

Semester 2 – Spring – 15 Units	Units
CHEM 150 General Chemistry I	5
BIOL 130 Cell and Molecular Biology	4
Humanities GE (Area C1)	3
Communication/Social Discourse GE (Area D2)	3

Semester 3 – Fall – 15 Units	Units
PHYSIC 110 General Physics I*	4
CHEM 151 General Chemistry II	5
Degree Applicable Elective	3
Diversity and Multiculturalism GE (Area F1)	3

Semester 4 – Spring – 17 Units	Units
PHYSIC 111 General Physics II	4
BIOL 131 Populations and Organisms	4
Social and Behavioral Science GE (Area B)	3
American Heritage GE (Area F2)	3
Degree Applicable Elective	3

Students wishing to earn an A.S. with an emphasis in Anatomy and Physiology or Microbiology must complete:

Emphasis in Anatomy and Physiology	Emphasis in Microbiology
ANAT 150	MICRO 150
ANAT 151	MICRO 102 and MICRO 247A or MICRO 248A

Students may substitute PHYSIC 250-251-252 for PHYSIC 110-111. For exposure to the field of life sciences enrolling in BIOL 100 General Biology during 1st semester or prior is recommended for students desiring to strengthen foundational skills.

Please see a counselor to develop your specific plan. [Schedule a counseling appointment here](#).

Catalog year: 2021-2022

Last Revised: 02/2022