

Associate in Science for Transfer Degree

The Associate in Science-Transfer (AS-T) degree in Biology at Crafton Hills College is designed to meet the needs of students transferring to a California State University 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 – 16 Units	Units
CHEM 101 Intro to Chemistry	4
MATH 102 College Algebra	5
ENGL 101 Freshman Composition	4
Oral Communication GE (IGETC 1C)	3

Semester 2 – Spring – 16 Units	Units
CHEM 150 General Chemistry I	5
Math 103 Plane Trigonometry	4
HIST 100 or 101 History of the US	3
Critical Thinking GE (IGETC 1B)	4

Summer – 4 Units	Units
MATH 250 Single Variable Calculus I	4

Semester 3 – Fall – 17 Units	Units
BIOL 130 Cell and Molecular Biology	4
CHEM 151 General Chemistry I	5
PHYSIC 110 or 250 Physics I	4
MATH 251 Single Variable Calculus II	4

Semester 4 – Spring – 17 Units	Units
BIOL 131 Populations and Organisms	4
PHYSIC 111 or 251 Physics II	4
POLIT 100 American Politics	3
Arts GE (IGETC 3A)	3
Humanities GE (IGETC 3B)	3

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

Catalog year: 2021-2022

Last Revised: 02/2022