

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.

The following are required for all AA-T and AS-T degrees

1. Complete 60 CSU-transferable semester units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferrable coursework. (While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information.)
3. **Completion of a minimum of thirty (30) semester units with a "C" or better in all courses** required as part of the major.
4. **Certified completion of the IGETC for STEM or the CSUGE Breadth for STEM** general education requirements (see Note below).

Required Courses:		Units	IP	Need	Grade
BIOL 130 or 130H	Cell and Molecular Biology	4			
BIOL 131 or 131H	Populations and Organisms	4			
CHEM 150 or 150H	General Chemistry I	5			
CHEM 151 or 151H	General Chemistry II	5			
MATH 250	Single Variable Calculus I	4			
PHYSIC 110 and 111 Or PHYSIC 250 and 251	General PHYSIC I and General PHYSIC II Or College PHYSIC I and College PHYSIC II	4 + 4			
Total Required Units:		30			

Note:

CSUGE for STEM and IGETC for STEM are the only approved general education patterns for this degree.

The **CSUGE for STEM** pattern allows students to defer completion of one course from CSUGE Area C and one course from CSUGE Area D until after transfer. Students must complete one course in Area C1, Arts; one course in Area C2, Humanities; and two courses in Area D from two different disciplines. All courses in Areas A, B, and E must be completed for certification of this pattern.

The **IGETC for STEM** pattern allows students to defer completion of one course from IGETC Area 3, one course from IGETC Area 4, and one course in Area 6 (Language Other Than English/LOTE -- for students who have not previously satisfied LOTE through proficiency) until after transfer. Students must complete one course from Area 3A, Arts; one course from Area 3B, Humanities; and two courses in Area 4 from different disciplines. All courses in Areas 1, 2, and 5 must be completed for certification of this pattern.