Crafton Hills College
Associate of Science

BIOLOGY (BIOL)

2018-2019

Student Name: _____
ID #: _____
Date: _____
Counselor: _____

To complete the requirements for the Associate of Science for this degree*, a student must:

1. Complete the requirements for an associate degree.
2. **Complete a minimum of twenty-six to thirty-four (26-34) units with a "C" or better in each course** in the following program.
3. Complete elective units to meet the minimum 60 units required for the associate degree.

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			
PHYSIC 110[1]	General Physics I	4			
PHYSIC 111[1]	General Physics II	4			
[1]Students may substitute PHYSIC 250, 251, 252 in lieu of PHYSIC 110, 111. See Counselor for details.					
Total Required Units:		**26**			

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

Emphasis in Anatomy and Physiology required courses:		**Units**	**IP**	**Need**	**Grade**
ANAT 150	Human Anatomy and Physiology I	4			
ANAT 151	Human Anatomy and Physiology II	4			
Total Anatomy and Physiology Emphasis Units:		**8**			

Emphasis in Microbiology required courses:		**Units**	**IP**	**Need**	**Grade**
MICRO 150 **or** MICRO 102[1]	Medical Microbiology **or** Introductory Microbiology	4-5			
*[1]Students who complete **MICRO 102** must also take a special problems in microbiology course (**MICRO 247A or 248A**)*		2-3			
Total Microbiology Emphasis Units:		**5-7**			

Total Required and/or Emphasis Units:	**26-34**			

**Lower division requirements for students interested in transferring to a four-year institution in this field may differ from Associate degree requirements. Prospective students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.*

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

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