

# Biology, A.S.

Students interested in biology, or related fields, are encouraged to earn at least a baccalaureate degree (BS). Many professions (e.g., Pharmacy or Medicine) require additional post-baccalaureate education. The AS/AA degree is intended for students who plan to use it as a first step toward a baccalaureate degree. The AS/AA degree may be granted to those who do not continue in a bachelor's program and meet the minimum requirements.

## Program Requirements

Code	Title	Credit Hours
<b>Total Credit Hours</b>		<b>60</b>
<b>General Education Requirements</b>		<b>39 Credits</b>
ENGL 1010 or ENGH 1005	Introduction to Academic Writing CC Literacies and Composition Across Contexts CC	3
ENGL 2010	Intermediate Academic Writing CC	3
MATH 1050 or MATH 1055	College Algebra QL College Algebra with Preliminaries QL	4
Complete one of the following:		3
HIST 2700 & HIST 2710	US History to 1877 AS and US History since 1877 AS (6)	
HIST 1700	American Civilization AS (3)	
HIST 1740	US Economic History AS (3)	
POLS 1000	American Heritage AS (3)	
POLS 1100	American National Government AS (3)	
Complete the following:		
PHIL 2050 or PHIL 205G	Ethics and Values IH Ethics and Values IH GI	3
HLTH 1100 or EXSC 1097	Personal Health and Wellness TE Fitness for Life TE	2
Distribution Courses		
BIOL 1610	College Biology I BB (To be taken with BIOL 1615)	4
CHEM 1210	Principles of Chemistry I PP (To be taken with CHEM 1215)	4
CHEM 1220	Principles of Chemistry II PP (To be taken with CHEM 1225)	4
Humanities Distribution		3
Fine Arts Distribution		3
Social/Behavioral Science		3
<b>Discipline Core Requirements</b>		<b>13 Credits</b>
Complete the following:		
BIOL 1615	College Biology I Laboratory (To be taken with BIOL 1610)	1
BIOL 1620 & BIOL 1625	College Biology II and College Biology II Laboratory	4
CHEM 1215	Principles of Chemistry I Laboratory (To be taken with CHEM 1210)	1
CHEM 1225	Principles of Chemistry II Laboratory (To be taken with CHEM 1220)	1
Minimum of 2 additional biology courses (BIOL, BOT, BTEC, MICR, or ZOOL prefixes). <sup>1</sup>		6
<b>Elective Requirements</b>		<b>8 Credits</b>
Complete any course 1000 or higher. See Biology Advisor.		8

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BIOL 1010 General Biology BB cannot be used to meet this requirement. See Biology Advisor.

## Graduation Requirements

1. Completion of a minimum of 60 semester credits.
2. Overall grade point average of 2.0 (C) or above. (Departments may require a higher GPA.)
3. Residency hours -- minimum of 20 credit hours through course attendance at UVU.
4. Completion of GE and specified departmental requirements.

## Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

### First Year

Semester 1		Credit Hours
ENGL 1010 or ENGH 1005	Introduction to Academic Writing CC or Literacies and Composition Across Contexts CC	3
MATH 1050 or MATH 1055	College Algebra QL or College Algebra with Preliminaries QL	4
Fine Arts Distribution		3
Humanities Distribution		3
HLTH 1100 or EXSC 1097	Personal Health and Wellness TE or Fitness for Life TE	2
<b>Credit Hours</b>		<b>15</b>
Semester 2		
BIOL 1610	College Biology I BB	4
BIOL 1615	College Biology I Laboratory	1
ENGL 2010	Intermediate Academic Writing CC	3
CHEM 1210	Principles of Chemistry I PP	4
CHEM 1215	Principles of Chemistry I Laboratory	1
American Institutions		3
<b>Credit Hours</b>		<b>16</b>
Second Year		
Semester 3		
BIOL 1620	College Biology II	3
BIOL 1625	College Biology II Laboratory	1
CHEM 1220	Principles of Chemistry II PP	4
CHEM 1225	Principles of Chemistry II Laboratory	1
Elective Requirement		3
PHIL 2050	Ethics and Values IH	3
<b>Credit Hours</b>		<b>15</b>
Semester 4		
BIOL ELECTIVE		4
BIOL ELECTIVE		4
Elective Requirement		3
Social/ Behavioral Science		3
<b>Credit Hours</b>		<b>14</b>
<b>Total Credit Hours</b>		<b>60</b>

## Program Learning Outcomes

1. Demonstrate knowledge of cellular biology.
2. Demonstrate a knowledge of molecular genetics and principles of inheritance.