

## Bachelor of Arts in Biology

From the **2017-2018** Catalog • 5/3/17

In order to earn the Bachelor of Arts in Biology degree from Seattle University, students must complete a minimum of 180 quarter credits with cumulative and major/program grade point averages of 2.0, including:

			prereqs	credits	quarter?
<b>I. Core Curriculum Requirements:</b>	UCOR 1100	Academic writing seminar	–	5	
	UCOR 1300	Creative expression and interpretation	–	5	
	UCOR 1400	Inquiry seminar in humanities	–	5	
	UCOR 1600	Inquiry seminar in social sciences	–	5	
	UCOR 2100	Theological explorations	UCOR 1100	5	
	UCOR 2500	Philosophy of the human person	UCOR 1100	5	
	UCOR 2900	Ethical reasoning	UCOR 2500	5	
	UCOR 3100	Religion in a global context	UCOR 2100	5	
	UCOR 3400	Humanities and global challenges	75 credits + UCOR 1300,1400	5	
	UCOR 3600	Social Science and global challenges	75 credits + UCOR 1300,1600	5	

Note: UCOR 1200 and UCOR 1800 are fulfilled by courses required for Biology majors.

<b>II. Major Curriculum Requirements:<sup>1</sup></b>	BIOL 1610+1611	General Biology I + Lab I	4+1		
	BIOL 1620+1621	General Biology II + Lab II	4+1		
	BIOL 1630+1631	General Biology III + Lab III	4+1		
	BIOL 2700 <sup>3</sup>	Genetics	5		
	<b>BIOL A:</b> <sup>3</sup>	<i>Organismal Biology and Physiology</i>	Pick one: BIOL 2200 <sup>2</sup> , 2210, 3250, 3300, 3850, 3880 or 3890	5	
	<b>BIOL B:</b> <sup>3</sup>	<i>Field Biology and Diversity</i>	Pick one: BIOL 2350, 2520, 2530, 2600, 3500, 3650, 3660, 3800, 4600, 4620, 4630, or 4640	5	
	<b>BIOL C:</b> <sup>3</sup>	<i>Microbiology, Genetics, Cell &amp; Mol. Biology</i>	Pick one: 2220, 3100, 3150, 3820, 4100, 4150, 4700, or 4750+4751	5-6	
		Biology Electives <sup>3</sup> (BIOL 2200 or higher)	10		

<b>Senior Synthesis:</b> (6 req'd credits; 2 per Q)	BIOL 4991	Senior Synthesis I	2	F
	BIOL 4992	Senior Synthesis II	2	W
	BIOL 4993	Senior Synthesis III	1	S
	BIOL 4996	Biology Senior Synthesis Seminar	1	S

**\*\*\* Biology requirements: 51-52**

<b>III. Other Major Curriculum Req'ts:<sup>1</sup></b>	CHEM 1500+1501	General Chemistry I + Lab I	4+1	
	CHEM 1510+1511	General Chemistry II + Lab II	4+2	
	CHEM 1520	General Chemistry III	4	
	BIOL/CHEM/MATH/etc. <sup>5</sup>	Science Elective(s) <sup>5</sup> (must be approved by dept)	5	
	<b>Pick option A or B below:</b>			
	<b>A</b> MATH 1210, 1334, and 1335	Statistics for Life Sciences, and Calculus I & II	15	
	<b>B</b> MATH 1210 OR MATH 1230	Statistics for Life Sciences or Calculus for Life Sciences	5 5	
	<b>--AND--</b> <b>Pick 2 of these 4:</b> • CHEM 2500+2501 • CHEM 2510+2511 • PHYS 1050+1051 • PHYS 1060+1061	Foundations of Organic Chemistry I + Lab Foundations of Organic Chemistry II + Lab Mechanics Waves, Sound, Electricity, Magnetism	4+2 4+2 4+1 4+1	

**\*\*\* Other science requirements: ≥ 35**

**\*\*\* Total Major Curriculum Requirement credits required for graduation: ≥ 86**

- Notes:**
- <sup>1</sup> In prerequisite courses, grades of at least C are required in biology and at least a C- in other sciences.
  - <sup>2</sup> If BIOL 2200 is selected, BIOL 2210 should be taken as an elective.
  - <sup>3</sup> At least 15 credits of the non-Senior Synthesis Biology courses (BIOL A, B, C, and electives) must be either 3000- or 4000-level courses.
  - <sup>4</sup> A minimum grade of C is required in BIOL 2700, Genetics.
  - <sup>5</sup> A science elective course must be a majors course for that department and may be a biology course.