

## Bachelor of Science in Biology

From the **2014-2015** Catalog • 5/1/14

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

			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:*</b>	BIOL 1610+1611**	General Biology I + Lab I	4+1	FW	
	BIOL 1620+1621**	General Biology II + Lab II	4+1	W	
	BIOL 1630+1631**	General Biology III + Lab III	4+1	S	
	BIOL 2600	Fundamentals of Ecology <i>former reqt =Biol 470</i>	5	FS	
	BIOL 2700	Genetics	5	FWS	
	BIOL 2350/2520/3500	Invert. Zoology or Plant Taxonomy or Evolution	5	F//S//W	
	BIOL 3250/3300	Vertebrate Anatomy or Developmental Biology	5	W//W	
	BIOL 3850/3880	Plant Physiology or Animal Physiology	5	F//F	
	BIOL 4750+4751	Cell Biology + Lab	4+2	FWS	
	Biology Electives ( <i>higher than BIOL 2220</i> )	10			
<b>Senior Synthesis:</b>	BIOL 4994	Independent Experience ( <i>senior research</i> )	≥ 2		
	BIOL 4996	Senior Synthesis Seminar	1	S	
	or: BIOL 4992	Biology Senior Synthesis	3	S	

**\*\*\* Biology requirements: 59**

Notes: \* 59 credits in biology are required, which must include one plant science (either BIOL 2520 or 3850).  
\*\* In order to enroll in BIOL 1620/1621 or 1630/1631, a C- or better in BIOL 1610/1611 is required. Also, a C- or better in each of these courses is a prerequisite for most biology courses above BIOL2220.

<b>III. Other Major Curriculum Req'ts:</b>	CHEM 1500+1501	General Chemistry I + Lab I	4+1	FW	
	CHEM 1510+1511	General Chemistry II + Lab II	4+1	WS	
	CHEM 1520+1521	General Chemistry III + Lab III	4+1	SSu	
	CHEM 2500+2501	Foundations of Organic Chemistry I + Lab	4+2	FW	
	CHEM 2510+2511	Foundations of Organic Chemistry II + Lab	4+2	WS	

**\*\*\* Choose a or b from each category below:**

<b>Math/Stats a:</b>	MATH 1334	Calculus I	5	FWS	
	MATH 1335	Calculus II	5	FWS	
<b>Math/Stats b:</b>	MATH 1210	Statistics for Life Sciences	5	FW	
	MATH 1230	Calculus for Life Sciences	5	FWS	

<b>Physics a:</b>	PHYS 1050	Mechanics and Sound	5	F	
	PHYS 1060	Electricity, Magnetism, & Thermodynamics	5	W	
	PHYS 1070	Survey of Modern Physics	5	S	
<b>Physics b:</b>	PHYS 1210	Mechanics and Sound	5	WS	
	PHYS 1220	Electricity and Magnetism	5	SF	
	PHYS 1230	Waves and Optics	5	FW	

**\*\*\* Other science requirements: 52**

**\*\*\* Total Major Curriculum Requirement credits required for graduation: 111**