

## Bachelor of Science in Biology

2023-2024 Catalog

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 1400	5	
UCOR 3600	Social Science and global challenges	75 credits + UCOR 1600	5		

Note: UCOR 1200 and UCOR 1800 are not listed above; they are fulfilled by other Biology major requirements.

<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	WS	
	BIOL 1630+1631	General Biology III + Lab III	4+1	SF	
	BIOL 2600	Ecology	5	FS	
	BIOL 2700	Genetics	5	FWS	
	BIOL 2350/2520/3500	Invert. Zoology or Plant Systematics or Evolution	5	F//S//W	
	BIOL 3250/3300	Vertebrate Anatomy or Developmental Biology	5	W//S	
	BIOL 3850/3880	Plant Physiology or Animal Physiology	5	W//F	
	BIOL 4750+4751	Cell Biology + Lab	4+2	FWS	
	Biology Electives ( <i>BIOL 2350 and above</i> )	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: 62\***

\*Notes: 62 credits in biology are required, which must include **one plant science** (either BIOL 2520, 2530, or 3850).  
In prerequisite courses, grades of at least **C** are required in biology courses and at least a **C-** are required in other sciences.

CHEM 1500+1501	General Chemistry I + Lab I	4+1	FW	
CHEM 1510+1511	General Chemistry II + Lab II	4+2	WS	
CHEM 1520	General Chemistry III	4	SF	
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 one (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	FWS	
	MATH 1230	Calculus for Life Sciences	5	FS	

<b>Physics a:</b>	PHYS 1050+1051	Mechanics	4+1	F	
	PHYS 1060+1061	Waves, Sound, Electricity, and Magnetism	4+1	W	
	PHYS 1070+1071	Thermodynamics, Optics, and Modern Physics	4+1	S	
<b>Physics b:</b>	PHYS 1210+1211	Mechanics	4+1	WS	
	PHYS 1220+1221	Electricity and Magnetism	4+1	SF	
	PHYS 1230+1231	Waves and Optics	4+1	FW	

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

**\*\*\* Total Major Curriculum Requirement credits required for graduation: 114**