

### What can you do with a Biology (BA) major from SPU?

The BA version of the Biology major at Seattle Pacific University provides a broad foundation in biology and is especially appropriate for students planning to teach at the junior high or secondary level.

### Potential occupations include:

- Animal Biologist
- Clinical Technician
- Emergency Medical Technician
- Lab Manager
- Secondary Teacher
- Science Writer

### Suggested transfer preparation at Bellevue College

Associate in Arts & Sciences (AAS-DTA)

### Other majors at SPU with similar requirements in the first two years

Biology (BS); Cellular and Molecular Biology; Life Science

### Courses in the major you may complete at Bellevue College

Bellevue College Courses	Equivalent SPU Courses
BIOL& 211 Biology Majors Cellular (6)	BIO 2101 General Biology (5)
BIOL& 212 Biology Majors Animal (6)	BIO 2102 General Biology (5)
BIOL& 213 Biology Majors Plant (6)	BIO 2103 General Biology (5)
CHEM& 161 General Chem w/Lab I (6)	CHM 1211 General Chemistry I (5)
CHEM& 162 General Chem w/Lab II (6)	CHM 1212 General Chemistry II (5)
CHEM& 131 Intro to Organic/Biochemistry (6)	CHM 1330 Survey of Organic Chemistry (5)
MATH 130 Introduction to Statistics (5)	MAT 2360 Intro to Stats for Sciences (5)
<i>Consider taking up to three of the following:</i> BIOL& 260 Microbiology (6) BIOL 275 Laboratory Methods in Genomics (6) BIOL 276 Adv Lab Methods in Genomics (6)	BIO 3351 General Microbiology (5) * BIO LDEL Lower-division Elective (6) * BIO LDEL Lower-division Elective (6) *

**Note:** Only courses with a regular grade of 1.7 (C-) or higher may count toward a major or minor.

**\*Indicates** course is not required, but can be transferred to SPU and applied toward the major as lower-division elective credit.

### Admission to the major

If you identify the Biology (BA) major as your first choice on your application for admission to the University, you will automatically gain entry to the major when admitted to SPU.

### Learn more about the Biology (BA) major at:

<http://spu.edu/biology-ba>

<http://spu.edu/biology-reqs>

**Get more information** about transfer admission to Seattle Pacific University at <http://spu.edu/transfer>.

Questions? Contact [transfer@spu.edu](mailto:transfer@spu.edu).

## Courses to complete at SPU

BIO 1859 Biology Cornerstone Seminar (1)
BIO 3325 Genetics (5)
BIO 4330 Evolutionary Mechanisms (5)
Select <b>one</b> of the following Physiology Core courses: <ul style="list-style-type: none"> <li>BIO 4256 Environmental Physiology (5)</li> <li>BIO 4413 Animal Physiology (5)</li> <li>BIO 4415 Plant Physiology (5)</li> <li>BIO 4418 Neurobiology (5)</li> <li>BIO 4419 Medical Virology (5)</li> </ul>
Select <b>one</b> of these Taxonomy/Development courses: <ul style="list-style-type: none"> <li>BIO 3000 Intro Biological Anthropology (5)</li> <li>BIO 3320 Principles of Development (5)</li> <li>BIO 3432 Biodiversity: Vertebrate Bio (5)</li> <li>BIO 3453 Biodiversity: Plant Ident &amp; Tax (5)</li> <li>BIO 4435 Biodiversity: Parasites &amp; Pests (5)</li> <li>BIO 4744 Marine Botany (5)</li> </ul>
Select <b>one</b> of the following Ecology courses: <ul style="list-style-type: none"> <li>BIO 3310 Ecology (5)</li> <li>BIO 4810 Marine Ecology (5)</li> <li>BIO 4815 Aquatic Ecology (5)</li> <li>BIO 4825 Forest Ecology (5)</li> <li>BIO 4835 Conservation Ecology (5)</li> <li>BIO 4840 Chemical Ecology (5)</li> </ul>
BIO 3615 Issues and Values in Biology (3)
BIO 4899 Natural Sciences Seminar (2)
Select <b>one</b> of the following courses (unless already taken to satisfy one of the groups listed above): <ul style="list-style-type: none"> <li>BIO 3453 Biodiversity: Plant Ident &amp; Tax (5)</li> <li>BIO 4415 Plant Physiology (5)</li> <li>BIO 4744 Marine Botany (5)</li> </ul>
Biology Electives (15) **

\*\* 0 – 15 credits required, depending on electives transferred.

## Other requirements for the degree

In addition to the major, the degree requires completion of any remaining general education and University requirements, and at least 180 college-level credits total, including 60 upper-division (UD) credits.

All students must complete the University Foundations Requirement at SPU – even those who have completed the Direct Transfer Agreement (DTA) Associate Degree.

Students admitted with fewer than 90 credits (freshmen and sophomores) complete 15 credits:

UFDN 1000 The Christian Faith (5)  
 UFDN 2000 Christian Scriptures (5)  
 UFDN 3100 Christian Theology (5)

Students admitted with 90 credits or more (juniors and seniors) complete 10 credits:

UFDN 3001 Christian Scriptures (5)  
 UFDN 3100 Christian Theology (5)

## Suggested course plan for your junior and senior years at SPU

Assumes junior standing at entrance and successful completion of BIOL& 211, 212, and 213; CHEM& 131, 161, and 162; and MATH 130 prior to transfer.

Junior Year			
Autumn	Winter	Spring	Notes
<ul style="list-style-type: none"> <li>BIO 1859 (5)</li> <li>BIO 3325 (5) -- or take this winter.</li> <li>+ credits to total 15 – 18</li> </ul>	<ul style="list-style-type: none"> <li>BIO 3325 (5) -- if not taken in the fall.</li> <li>+ credits to total 15 – 18</li> </ul>	<ul style="list-style-type: none"> <li>+ 15 – 18 credits</li> </ul>	<ul style="list-style-type: none"> <li>Most upper-division biology courses are offered only once per year – and some are only offered every other year – check the Time Schedule and plan accordingly.</li> </ul>
<b>Any Quarter Offered:</b> <ul style="list-style-type: none"> <li>One of the following Physiology Core courses: BIO 4256, 4413, 4415, 4418, or 4419 (5).</li> <li>One of the following Taxonomy/Dev courses: BIO 3000, 3320, 3432, 3453, 4435, 4840 (5).</li> <li>One of the following Ecology courses: BIO 3310, 4810, 4815, 4825, 4835, 4840 (5).</li> <li>Begin work on Biology electives, general education and University requirements, as needed.</li> </ul>			
Senior Year			
Autumn	Winter	Spring	Notes
<ul style="list-style-type: none"> <li>BIO 3615 (3)</li> <li>+ credits to total 15 – 18</li> </ul>	<ul style="list-style-type: none"> <li>BIO 4330 (5)</li> <li>+ credits to total 15 – 18</li> </ul>	<ul style="list-style-type: none"> <li>+ 15 – 18 credits</li> </ul>	<ul style="list-style-type: none"> <li>Be sure to complete the Botany requirement (you must take BIO 3453, 4415, or 4744, if not as your chosen Physiology, Taxology, or Ecology course, then as an elective).</li> </ul>
<b>Any Quarter Offered:</b> <ul style="list-style-type: none"> <li>Botany Requirement (5) -- see Notes.</li> <li>BIO 4899 (2) -- must be taken twice, for one credit each time.</li> <li>Complete any outstanding major electives; physiology core, taxonomy/development, and ecology courses; general education; and University requirements, including at least 180 credits total at 90 upper-division credits.</li> </ul>			