



# 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 •
- Lab Manager
- - Secondary Teacher
- Emergency Medical Technician
- Science Writer

Suggested transfer preparation at North Seattle College Associate of Arts (AA-DTA) or Associate of Science General (AS-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 North Seattle College

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North Seattle College Courses	Equivalent SPU Courses	
BIOL& 211 Majors Cellular Biology (5)	BIO 2101 General Biology (5)	
BIOL& 212 Majors Animal (5)	BIO 2102 General Biology (5)	
BIOL& 213 Majors Plant (5)	BIO 2103 General Biology (5)	
CHEM& 131 Intro to Organic/Biochemistry (5)	CHM 1330 Survey of Organic Chemistry (5)	
CHEM& 161 General Chemistry w/ Lab I (6)	CHM 1211 General Chemistry I (5)	
CHEM& 162 General Chemistry w/ Lab II (6)	CHM 1212 General Chemistry II (5)	
MATH& 146 Introduction to Statistics (5) – or – MATH 211 Elements of Statistical Method (5)	MAT 2360 Intro to Stats for Sciences (5)	
Consider taking the following course: BIOL& 260 Microbiology (5)	BIO 3351 General Microbiology (5) *	

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-regs

Get more information about transfer admission to Seattle Pacific University at http://spu.edu/transfer. Questions? Contact transfer@spu.edu.

# Courses to complete at SPU

BIO 3325 Genetics (5) BIO 4330 Evolutionary Mechanisms (5) Select <b>one</b> of the following Physiology Core courses: BIO 4256 Environmental Physiology (5) BIO 4413 Animal Physiology (5) BIO 4413 Plant Physiology (5) BIO 4418 Neurobiology (5) BIO 4419 Medical Virology (5) Select <b>one</b> of these Taxonomy/Development courses: BIO 3000 Intro Biological Anthropology (5) BIO 3429 Dioliversity: Vertebrate Bio (5) BIO 3432 Biodiversity: Vertebrate Bio (5) BIO 3432 Biodiversity: Vertebrate Bio (5) BIO 3435 Biodiversity: Plant Ident & Tax (5) BIO 4435 Biodiversity: Parasites & Pests (5) BIO 4435 Biodiversity: Parasites & Pests (5) BIO 4435 Biodiversity: Parasites & Pests (5) BIO 4810 Marine Ecology (5) BIO 4810 Marine Ecology (5) BIO 4825 Forest Ecology (5) BIO 4825 Forest Ecology (5) BIO 4835 Conservation Ecology (5) BIO 4840 Chemical Ecology (5) BIO 4840 Si Biolity Plant Ident & Tax (5) BIO 48415 Plant Physiology (5) BIO 4415 Plant Physiology (5) BIO 4744 Marine Botany (5) Biology Electives (15) **	Courses to complete at SPU			
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Biology Electives (15) **				
<b>3</b>	BIO 4744 Marine Botany (5)			
** 10 – 15 credits required, depending on electives transferred.	Diology Liectives (13)			
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# 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& 146 or MATH 211 prior to transfer.

Junior Year				
Autumn	Winter	Spring	Notes	
<ul> <li>BIO 1859 (5)</li> <li>BIO 3325 (5) or take this winter.</li> <li>+ credits to total 15 – 18</li> </ul>	<ul> <li>BIO 3325 (5) if not taken in the fall.</li> <li>+ credits to total 15 – 18</li> </ul>	<ul> <li>+ 15 – 18 credits</li> </ul>	<ul> <li>Most upper-division biology courses are offered only once per year – and some are</li> </ul>	
<ul> <li>Any Quarter Offered:</li> <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 Biology electives, general education and University requirements, as needed.</li> </ul>			only offered every other year – check the Time Schedule and plan accordingly.	
Senior Year				
Autumn	Winter	Spring	Notes	
<ul> <li>BIO 3615 (3)</li> <li>+ credits to total 15 – 18</li> </ul>	<ul> <li>BIO 4330 (5)</li> <li>+ credits to total 15 – 18</li> </ul>	• + 15 – 18 credits	Be sure to complete the Botany requirement (you	
<ul> <li>Any Quarter Offered:</li> <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 al 90 upper-division credits.</li> </ul>			must take BIO 3453, 4415, <b>or</b> 4744, if not as your chosen Physiology, Taxology, or Ecology course, then as an elective).	