



Biological Sciences

Major Preparation Sheet 2017-2018

Where does my path start?

You will complete an Associate of Science-Transfer (AS-T) Track 1 degree at Shoreline.

Use the AS-T Track 1 Degree Planning Guide, with this guide, to understand the requirements for graduation.

Once you complete your Shoreline degree, you can transfer to a four-year school to earn a Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) in Biological Sciences.

Biological Sciences are excellent preparation for graduate studies in biology, genetics, biomedical sciences, dentistry, law, medicine and education.

Biological Sciences – What is it?

Biological Sciences is the study of all living organisms, encompassing plants, animals and microorganisms. From molecular and cellular biology to genetics, ecosystems and evolution, Biological Sciences is one of the broadest fields in science.

Areas of study in Biological Sciences: Botany/plant science, ecology, wildlife biology, zoology, entomology, genetics, microbiology, biomedical science, cellular and molecular biology, pathology, virology and neurobiology.

Where can I go for help?

Program Faculty Advisors

biologyadvising@shoreline.edu

Leoned Gines	206-546-4543	lgines@shoreline.edu	Rm 2815
Matt Loper	206-546-4683	mloper@shoreline.edu	Rm 5351
Adria Magrath	206-546-4550	amagrath@shoreline.edu	Rm 2808
Judy Penn	206-546-4782	jpenn@shoreline.edu	Rm 2807
Kira Wennstrom	206-546-4578	kwennstrom@shoreline.edu	Rm 2816
Tiffany Meier	206-546-6953	tmeier@shoreline.edu	Rm 5231

Career Planning

www.shoreline.edu/job-career-services/

General Academic Advising

FOSS (5000) Building, Rm. 5229
206-546-4559
advising@shoreline.edu
www.shoreline.edu/advising

International Advising


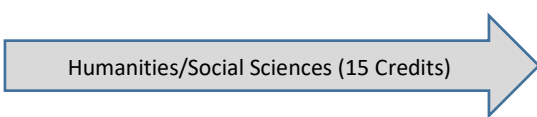
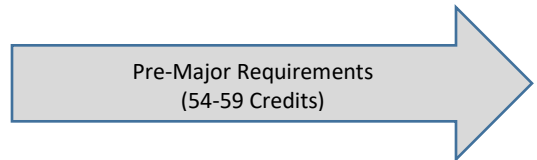
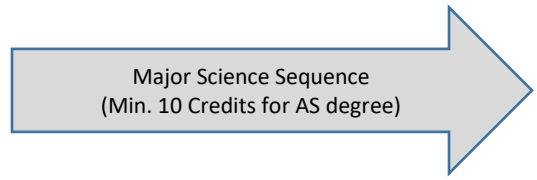
9000 Building, Rm. 9302
206-546-4697
ieadvisors@shoreline.edu
www.shoreline.edu/international/advising/

What can I do with a Bachelor’s Degree in Biological Sciences?

Graduates in Biological Sciences develop strong critical thinking, problem solving and technical skills for entry-level positions as laboratory assistants, research assistants and technicians in various work environments. Advanced degrees and licensures are often required for professional advancement in Biological Sciences.

Potential employers include: Zoos and aquariums, wildlife preserves, state and federal government agencies such as the Washington Department of Fish and Wildlife, environmental protection agencies and public health departments; non-profit medical and environmental organizations, biotechnology companies, scientific instrument companies, hospitals, public and private schools, colleges and universities. For more, please visit <http://www.shoreline.edu/counseling-center/career-counseling.aspx>.

What courses should I take? **

 <p>General Education Requirements (20 Credits)</p>	<p>Required: ENGL& 101 (A) ENGL& 102 (A), 230 (W,S) or CMST& 101 (A) MATH& 151 (A) One course in Multicultural Understanding</p>
 <p>Humanities/Social Sciences (15 Credits)</p>	<p>Required: 5 credits each in Humanities and Social Sciences; and an additional 5 credits in either Humanities or Social Sciences</p>
 <p>Pre-Major Requirements (54-59 Credits)</p>	<p>Required: Science: CHEM 171/181 (F,W,S); CHEM 172/182 (W,S,U); CHEM 173/183 (F,S,U) Mathematics: MATH& 152 (F,W,S); MATH 211 (A) or MATH& 163 (F,W,S) Strongly recommended: Biology: BIOL & 211; BIOL& 212; BIOL& 213</p>
 <p>Major Science Sequence (Min. 10 Credits for AS degree)</p>	<p>Recommended for molecular biology, biochemistry, and microbiology majors: PHYS &114-&116 OR &221-&223 OR CHEM &241/271, &242/272, &243/273 Recommended for general biology, botany, or zoology majors: Take Phys or Chem above OR an additional 100 or 200 level Biology Recommended for conservation and ecological biology majors: ENVS &101 and &202 or GEOG 203, 204 or GEOL &101 or BIOL 124 or 144; OR 10-15 cr. from PHYS &114-&116 or &221-&223</p>

F=Fall, W=Winter, S=Spring, U=Summer, A=All- indicates quarter(s) in which class is offered.

Where can I transfer and what is required at my chosen school?

Before choosing classes, become familiar with the four-year program where you want to apply: visit the website, email the department, and/or speak with a Shoreline advisor. Below are examples from Washington schools with different admissions and graduation requirements. Check with the school for world language requirements. (Non-native speakers of English are often exempt from this requirement.)

School	Transfer Information	School	Transfer Information
Bastyr University	http://tinyurl.com/j29gmkv	The Evergreen State College	http://tinyurl.com/zhyjy3s
Central Washington University	http://tinyurl.com/jdpjra6	University of Puget Sound	http://tinyurl.com/h7yqx8s
Eastern Washington University	http://tinyurl.com/ggpzhnq	University of Washington - Bothell	http://tinyurl.com/j9r7so5
Gonzaga University	http://tinyurl.com/7c9d6xh	University of Washington - Seattle	http://tinyurl.com/hm3uecl
Heritage University	http://tinyurl.com/jpqnflm	Walla Walla University	http://tinyurl.com/z5a4h8p
Northwest University	http://tinyurl.com/jle4rr7	Washington State University	http://tinyurl.com/jk3a2v2
Pacific Lutheran University	http://tinyurl.com/zygoljk	Western Washington University	http://www.wvu.edu/vtc/
Saint Martin's University	http://tinyurl.com/j3pktl2	Whitman College	http://tinyurl.com/z8vuwn9
Seattle Pacific University	http://tinyurl.com/z46xxxr	Whitworth University	http://tinyurl.com/zcdww66
Seattle University	http://tinyurl.com/z3kjpccm		

**** This unofficial guide is intended to support you as you prepare for your major. Please consult with an advisor and your chosen four-year school(s), as program and admissions requirements vary and may change without notice.**