



Environmental Health

Major Preparation Sheet 2016-2017

Environmental Health – What is it?

Environmental Health is a broad interdisciplinary field concerned with the protection and promotion of public health. From air pollution and hazardous waste, to safe food and drinking water, environmental health specialists identify, assess, and control environmental factors to prevent the spread of illness and disease.

Areas of study in Environmental Health: Natural and health sciences, physics, microbiology, toxic chemicals, environmental hazards and risks, water and waste sanitation, solid waste management, air quality and pollution, food protection, epidemiology, disease prevention, health promotion, environmental health law, community organization, research methods, statistics and professional ethics.

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** to understand the requirements for graduation.

Once you complete your Shoreline degree, you can transfer to a four-year school to earn a Bachelor Science (B.S.) in Environmental Health.

Environmental Health is excellent preparation for graduate studies in public health, medicine, dentistry, pharmacy, education and law.

Where can I go for help?

Program Faculty Advisors

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Career Planning

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

For general information and entry codes, contact:

chemistryadvising@shoreline.edu

General Academic Advising

FOSS (5000) Building, Rm. 5229

206-546-4559

advising@shoreline.edu

www.shoreline.edu/advising

International Student Academic Advising

9000 Building, Rm. 9302

206-546-4697

ieadvisors@shoreline.edu

www.shoreline.edu/international/advising/

Where can I transfer?

The AS-T makes it possible for students to transfer to a number of public and private colleges and universities in the U.S. with junior standing. Washington State institutions that offer an Environmental Health major are listed below.

[University of Washington - Seattle](http://www.washington.edu)

What can I do with a Bachelor’s Degree in Environmental Health?

From critical thinking and problem solving skills, to research, public relations and communication skills, graduates in Environmental Health develop the knowledge and skills to work in a variety of public service, environmental and health care careers.

Potential employers include: State and federal government agencies including the Environmental Protection Agency, Center for Disease Control, National Institutes of Health, inspection agencies and public health departments, hospitals, colleges and universities, business and industry. For more, please visit <http://www.shoreline.edu/counseling-services/career-counseling.aspx>

What courses should I take?*

I. GENERAL EDUCATION REQUIREMENTS | 20 Credits

ENGL& 101
 ENGL& 102, 230, or CMST& 101
 Multicultural Understanding
 Quantitative/Symbolic Reasoning (MATH& 151¹)

III. PRE-MAJOR PROGRAM I 54 – 59 credits

Science	19.5 Credits	QTR	GR	CR
CHEM 171/181	Every quarter			6.5
CHEM 172/182	Win, Spr, Sum			6.5
CHEM 173/183	Spr, Sum, Fall			6.5

Mathematics	10 Credits	QTR	GR	CR
MATH &152				5
MATH &146 or 211				5

Biology	15 Credits	QTR	GR	CR
BIOL &211	Every quarter			5
BIOL &212	Win, Spr			5
BIOL &213	Spr, Sum			5

II. DISTRIBUTION REQUIREMENTS | 15 Credits

One course in Humanities
 One course in Social Sciences
 A third course in either Humanities or Social Sciences

Major Science Sequence And/Or Support Courses –

Minimum 10 Credits	QTR	GR	CR
CHEM &241/271	Fall, Win		4/3
CHEM &242/272	Win, Spr		4/3

Recommended Electives	QTR	GR	CR
BIOL &260			5
CHEM &243/273	Spr		4/3
PHYS &114 or PHYS&221	Fall or Fall, Win		5 5.5
PHYS &115 or PHYS &222	Win Win, Spr, Sum		5 5.5
PHYS &116 or PHYS &223	Spr Win, Spr		5 5.5

¹ Although the UW only requires one quarter of calculus and a statistics course for Environmental Health, students are required to take two quarters of calculus for the Associate in Science degree. In lieu of the A.S. degree, students can choose to follow the Associate in Arts—Individualized Plan to prepare for transfer to the UW.

What does my chosen four-year school require?

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	Degrees	Requirements
University of Washington – Seattle	B.S. in Environmental Health	<p>Admission requirements: BIOL &-&213, CHEM 171/181, 172/182, 173/183, CHEM &241/271, &242/272, &243/273, ENGL &101 and MATH &151. In addition, students are required to take PHYS &114 and &115, or &221 and &222, MATH &146 or 211 and BIOL &260 to graduate. (UW Environmental Health does not require organic chem. labs, but Shoreline Chem. Dept. does require them with lecture classes).</p> <p>Environmental Health is a competitive major. Applications are accepted every quarter; however it is recommended that you submit your application by the end of your sophomore year or the beginning of your junior year. An overall 2.5 overall GPA and a 2.0 grade in each prerequisite course is required, along with a personal profile questionnaire.</p> <p>The department offers an Undergraduate Summer Research Program, available to community college students.</p> <p>Prospective students are advised to contact the Undergraduate Program Manager before applying at ehug@u.washington.edu</p>

**** 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.**