



Geology and Earth Sciences

Major Preparation Sheet 2017-2018

Where does my path start?

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

Use the AS-T Track 1 Degree Planning Guide, with this sheet, 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 Geology and Earth Sciences.

Geology and Earth Sciences are excellent preparation for graduate studies in Geology, Hydrology, Environmental Science, Oceanography, and Law.

Geology and Earth Sciences – What is it?

Geology is the study of the earth—its substances, history, and evolution of life. With rivers, mountains, oceans, canyons, rocks, metals, minerals, and fossils, the earth is a vast laboratory for geological scientists.

Areas of study in Geology and Earth Sciences: Earth History, Mineralogy, Physics, Economics, Chemistry, Environmental Science, Oceanography, Landscapes, Geological Structures, Geological Mapping, and Volcanology.

Where can I go for help?

Program Faculty Advisors

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Career Planning

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

General Academic Advising

FOSS (5000) Building, Rm. 5229
206-546-4559

advising@shoreline.edu
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International Student Academic Advising

9000 Building, Rm. 9302
206-546-4697

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www.shoreline.edu/international/advising/

What can I do with a Bachelor’s Degree in Geology and Earth Sciences?

Geologists develop strong critical thinking, problem solving, communication, and technical skills to work in career fields that include environmental protection, environmental policy, conservation, hydrology, mining, natural resources, hazardous materials, consulting, research and development, education, and law.

Potential employers include: Petroleum industry, mining companies, engineering and consulting firms, public and private schools, colleges and universities, and government agencies, such as the Department of Energy, Bureau of Land Management, Bureau of Mines, and the Environmental Protection Agency. For more, please visit

<http://www.shoreline.edu/counseling-center/career-counseling.aspx>.

What courses should I take?*

General Education Requirements (20 Credits)	Required: ENGL& 101 (A); ENGL& 102 (A), 230 (W,S) or CMST& 101 (A); MATH& 151 (A); One course in Multicultural Understanding
Humanities/Social Sciences (15 Credits)	Required: One course each in Humanities and Social Sciences; a third course in either Humanities or Social Sciences
Pre-Major Requirements (54-59 Credits)	Required: Chemistry: 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) Physics: PHYS& 114 (F), 115 (W), 116 (S) –OR– PHYS& 221 (F,W), 223 (F,W), 222 (S, U)
Major Science Sequence (Min. 10 Credits for AS degree)	Recommended courses: GEOL& 101, 110, 115, 208, GEOG 203, 204, BIOL& 211-213, BIOL 144, MATH 207, 208, 264, ASTR& 101, OCEA& 101, ENVS& 101

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

Where can I transfer and 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	Transfer Information	School	Transfer Information
Central Washington University	http://tinyurl.com/jdpjra6	University of Washington-Bothell	http://tinyurl.com/j9r7so5
Eastern Washington University	http://tinyurl.com/gqpzhnq	University of Washington-Seattle	http://tinyurl.com/hm3uecl
Pacific Lutheran University	http://tinyurl.com/zygoljk	Washington State University	http://tinyurl.com/jk3a2v2
The Evergreen State College	http://tinyurl.com/zhyjy3s	Western Washington University	http://www.wvu.edu/vtc/
University of Puget Sound	http://tinyurl.com/h7yqx8s	Whitman College	http://tinyurl.com/z8vuwn9

**** 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.**