

## Major Requirements for **ESS B.S. Degree – STANDARD Option**

Department of Earth and Space Sciences

www.ess.washington.edu

The Bachelor of Science degree is designed for students interested in coursework in geology and geophysics, and a career path in graduate studies or the private sector where field and technology experiences and problem-solving skills will be an important asset.

### Supporting Science I (20 credits)

		<i>Date or Notes</i>
CHEM 142	5cr	_____
MATH 124	5cr	_____
MATH 125	5cr	_____
PHYS 114/117 or 121	5cr	_____

### Supporting Science II (13-15 credits)

		<i>Date or Notes</i>
MATH 126	5cr	_____
PHYS 115/118 or 122	5cr	_____
And <b>one</b> from this list:	3-5cr	_____
CHEM 152; MATH 307, 308; PHYS 116/119 or 123; STAT 311		

### ESS Department Core Courses (37 credits)

<b>a. <u>Three</u> courses required.</b>	<b>Prerequisites</b>	
ESS 211 Physical Process Earth (Autumn Qtr)	PHYS 114/117 or 121	5cr _____
ESS 212 Earth Materials (Winter Qtr)	CHEM 142	5cr _____
ESS 213 Evolution of Earth (Spring Qtr)	ESS 211 or permission of instructor	5cr _____
<b>b. <u>Two</u> courses required. All recommended.</b>		
ESS 311 Geomechanics (Winter Qtr)	MATH 125 or QSCI 292, PHYS 114/117 or 121	5cr _____
ESS 312 Geochemistry (Spring Qtr)	CHEM 142, MATH 125 or QSCI 292, ESS 212 or permission of instructor	5cr _____
ESS 313 Geobiology (Autumn Qtr)	CHEM 142, PHYS 114/117 or 121	5cr _____
ESS 314 Geophysics (Autumn Qtr)	MATH 126, PHYS 115/118 or 122	5cr _____
<b>c. ESS 400 Field Camp (Summer Qtr)</b>	ESS 211-213 and one of ESS 311-314	12cr _____

### ESS Electives (18-20 credits)

You must complete 18 to 20 credits in ESS courses numbered 401 to 488. Extra courses from ESS 311-314 not required above may also apply here. Note: If you completed a 3-credit course under "Supporting Science II" then you must complete 20 credits in this section.

	Credits	Grade		Credits	Grade
ESS _____	_____	_____	ESS _____	_____	_____
ESS _____	_____	_____	ESS _____	_____	_____
ESS _____	_____	_____	ESS _____	_____	_____
ESS _____	_____	_____	ESS _____	_____	_____

**Note:** All courses COUNTED TOWARD THE MAJOR must be completed with a *minimum grade of 2.0*.