

Major Requirements for **ESS B.S. Degree – PHYSICS 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 121	5cr	_____

Supporting Science II (32-35 credits)

		<i>Date or Notes</i>
MATH 126 and 308 and 324	11cr	_____
Or MATH 136 and 324	8cr	_____
PHYS 122 and 123	10cr	_____
PHYS 227 and 228*	6cr	_____
PHYS 321 and 322*	8cr	_____

*Scheduling Note: ESS majors who encounter difficulty registering in physics classes should consider registration in these "off-sequence" courses: Summer PHYS 227 8:30 class; Fall PHYS 228 11:30 class; Winter PHYS 321 11:30 class; and Spring PHYS 322 11:30 class. You may also consult with the Physics Department Adviser.

ESS Department Core Courses (20 credits)

a. Three courses required.

	Prerequisites	
ESS 205 Access to Space (Spring Qtr)	No prerequisites.	5cr _____
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. One course required. All recommended.

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 _____

ESS Electives (15-18 credits)

You must complete 15 to 18 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 MATH 136 and MATH 324, then you must complete 18 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*.