

BS Earth Science Education Requirements

Class	Prerequisites	Credits
Required Geology Courses		
GEOL 100 Exploring Geology		1
GEOL 111/111L Physical Geology & Lab		4
GEOL 112 Historical Geology	GEOL 111/111L	4
GEOL 305 Sci Teaching Principles (Take instead of ED 361)	ED 200 and GEOL 112	2
GEOL 335 Oceanography and Meteorology (even years)	GEOL 112 and FDMAT 108	4
GEOL 351 Earth Materials	GEOL 111/111L; Completed or currently enrolled in GEOL 112 & CHEM 105	3
GEOL 351L Earth Materials Lab	Registered for GEOL 351	1
GEOL 316 Writing in the Geosciences	GEOL 351 (Take GEOL 316 instead of FDENG 301)	3
GEOL 404 Environmental Geology	GEOL 112	3
GEOL 405 Earth Sci. Teaching Methods	BIO 305 and ED 304	3
Other Required Courses		
PH 127 Astronomy 1		3
PH 277 Astronomy 2	PH 127	2
CHEM 105 Introduction to Chemistry	Completed or currently enrolled: MATH 109, 112 or 119 or FDMAT 110 or 112	3
CHEM 105L Introduction to Chemistry Lab	MATH 109	1
MATH 109 or FDMAT 112	MATH 101 or appropriate ACT, SAT, or ALEKS Math score (see catalog)	5
Required Education Courses		
ED 200 History and Philosophy of Education		2
ED 304 Development, Cognition, and Understanding	ED 200	3
SpED 360 Exceptional Students: Grades 6-12	ED 200 and ED 304	2
ED 461 Reading in the Content Area	ED 200, ED 304 and ED 361	3
ED 492 Teaching Internship (Student Teaching)		10
Recommended Non-Major Electives		
BIO 250 Environmental Biology		5
ED 448 Assessment and Evaluation	ED 200, ED 241, MATH 100A, MATH 100B, MATH 101, FDMAT 110 or MATH 109	3
ED 242 Motivation and Management	ED 200	2
GEOL 340 Intro to GIS for Geoscientists	GEOL 111/111L; and MATH 109 or FDMAT 112	3
Physics 105	GEOL 111/111L; and MATH 109 or FDMAT 112	3
Foundations: Complete Option C for Foundations of Science; Complete GEOL 316 rather than FDENG 301		
*Earth Science Ed majors also must complete an education major (recommend Natural Science, Biology, Chemistry, or Physics).		
Earth Science Education as a Career:		<i>This degree prepares</i>
<p><i>students to teach Earth and Environmental Science in secondary schools (Grades 7-12 in Idaho). Earth Science education majors take courses in geology, astronomy, chemistry, and environmental science as well as the core secondary education courses. Student teaching is completed at local schools or at partner schools in Arizona, Utah, and Nevada. The advisor for this degree is Professor Megan Pickard.</i></p>		