

Bachelor of Science in Geology

The Bachelor of Science program prepares students for careers as professional geologists, provides the basis for admission to graduate school, and prepares students seeking registration and licensing as professional geologists.

Major: Geology — 105 -108 credits

Required Courses: 81 credits

GEOL 120 Physical Geology - The Solid Earth (5)
GEOL 121 Physical Geology - Surficial Processes (5)
GEOL 122 Historical Geology (5)
GEOL 311 Earth Materials (4)
GEOL 312 Crystallography and Optical Mineralogy (4)
GEOL 313 Igneous and Metamorphic Petrology (4)
GEOL 408 Invertebrate Paleontology (4)
GEOL 411 Sedimentology and Stratigraphy (4)
GEOL 430 Structural Geology I (4)
GEOL 431 Structural Geology II (4)
GEOL 490 Senior Capstone, Geology Field Camp (10)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
MATH 161 Calculus I (5)
MATH 162 Calculus II (5) **or** MATH 380 Elementary Probability and Statistics (5)
GEOG 323 GIS for Environmental Science (3)

Choose one of the following sequences: 12-15 credits

PHYS 151 General Physics I (4)
PHYS 152 General Physics II (4)
PHYS 153 General Physics III (4)
PHYS 161 Mechanics Lab (1)
PHYS 162 Heat and Optics Lab (1)
PHYS 163 Instrumentation Lab I (1)

OR

PHYS 131 Introductory Physics I (4)
PHYS 132 Introductory Physics II (4)
PHYS 133 Introductory Physics III (4)
PHYS 161 Mechanics Lab (1)
PHYS 162 Heat and Optics Lab (1)
PHYS 163 Instrumentation Lab I (1)

OR

BIOL 171 Biology I (4)
BIOL 172 Biology II (4)
BIOL 173 Biology III (4)

Electives: 12 credits

Select credits from Geology courses, 8 of which must be upper-division.

Note: The B.S. major does not require the completion of a minor. Some courses in the B.S. degree will also count as Natural Science GEGRs and satisfy the university proficiency in Mathematics requirement. Grade requirement—2.0 in each course; 2.5 cumulative average. University graduation requirement: 60 credits upper division.

For further information, contact:

Undergraduate Adviser
Department of Geology
Eastern Washington University
130 Science Building
Cheney, Washington 99004
(509) 359-2286

For general information regarding admission to the University, contact:

Director of Admissions
Eastern Washington University
101 Sutton Hall
Cheney, Washington 99004
(509) 359-2397

BACHELOR OF SCIENCE IN GEOLOGY

SAMPLE FOUR-YEAR PLAN

	Q U A R T E R			
	F	W	S	
First Year				
GEOL 120, 121, 122	5	5	5	
CHEM 151, 152, 153	5	5	5	
GECRs (2)	5	5		
CPLA 101	1			
ENGL 201 ¹			5	
TOTAL CREDITS	16	15	15	= 46
Second Year				
GEOL 311, 312, 313	4	4	4	
MATH 161, 162 or 380 (may require MATH 105 and 106 if high school math background is inadequate)	5	5		
GECRs (3)	5	5	5	
TOTAL CREDITS	14	14	9	= 37
Third Year**				
PHYS 151, 152, 153, 161, 162, 163 or 131, 132, 133, 161, 162, 163 or BIOL 171, 172, 173	5	5	5	
Upper-division Cultural Diversity/International Studies	4		4	
GEOG 323		3		
TOTAL CREDITS	9	8	9	= 26
Fourth Year**				
GEOL 408, 411, 430, 431	8	4	4	
ITGS 400		4		
Geology elective (12 cr. are required)			4	
TOTAL CREDITS	8	8	8	= 38
Geology Field Camp, GEOL 490, Senior Capstone				10
FOUR-YEAR TOTAL (minimum credits)				157*

¹Presumes student has met the requirements for ENGL 101.

*The University requires 180 credits minimum to graduate; 60 credits at the upper division level.

** The required Geology courses in the third and fourth years will be offered on an every-other-year basis, and students will be able to take them in either order.

KEY:

F = Fall Quarter

W = Winter Quarter

S = Spring Quarter