

Physics B.S. with Geophysics Concentration

Physics B.S. Geophysics Concentration Eight-Semester Degree Program

Students wishing to follow the eight-semester degree plan should see the Eight-Semester Degree Policy in the Academic Regulations chapter for university requirements of the program as well as Fulbright College requirements.

Core requirement hours may vary by individual, based on placement and previous credit granted. Once all core requirements are met, students may substitute a three-hour (or more) general elective in place of a core area. Students should consult their advisers.

First Year	Units		
	Fall	Spring	Summer
ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013)	3		
MATH 2554 Calculus I (ACTS Equivalency = MATH 2405) ¹	4		
PHYS 2054 University Physics I (ACTS Equivalency = PHYS 2034) ¹	4		
CHEM 1103 University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture)	4		
& CHEM 1101L University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)			
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023)		3	
PHYS 2074 University Physics II (ACTS Equivalency = PHYS 2044 Lecture) ¹		4	
MATH 2564 Calculus II (ACTS Equivalency = MATH 2505) ¹		4	
GEOS 1113 General Geology (ACTS Equivalency = GEOL 1114 Lecture)		4	
& GEOS 1111L General Geology Laboratory (ACTS Equivalency = GEOL 1114 Lab)			
Year Total:	15	15	

Second Year	Units		
	Fall	Spring	Summer
PHYS 2094 University Physics III ¹	4		
MATH 2584 Elementary Differential Equations ^{1,2}	4		
CHEM 1123 University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture)	4		
& CHEM 1121L University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)			
GEOS 2313 Mineralogy and Petrology	3		

PHYS 3613 Modern Physics ^{1,2}	3	
MATH 2574 Calculus III (ACTS Equivalency = MATH 2603) ^{1,2}	4	
GEOS 3413 Sedimentary Rocks & Fossils	3	
University/State Core Social Science Requirement	3	
General Elective	1	
Year Total:	15	14

Third Year	Units		
	Fall	Spring	Summer
PHYS 3113 Analytical Mechanics ²	3		
GEOS 4223 Stratigraphy and Sedimentation	3		
GEOS 3383 Principles of Landscape Evolution	3		
University/State Core History Requirement	3		
University/State Core Social Science Requirement	3		
GEOS 3514 Structural Geology		4	
University/State Core Social Science Requirement		3	
General Electives		6	
GEOS 4686 Geology Field Camp ²			6
Year Total:	15	13	6

Fourth Year	Units		
	Fall	Spring	Summer
PHYS 4073 Introduction to Quantum Mechanics	3		
GEOS 4433 Geophysics	3		
University/State Core Humanities or Fine Arts requirement (as needed)	3		
General Electives	3		
PHYS 3453 Electromagnetic Theory I ²		3	
PHYS 4991 Physics Senior Seminar ²		1	
GEOS 4924 Earth System History (ACTS Equivalency = PHSC 1104)		4	
University/State Core Fine Arts or Humanities Requirement (as needed)		3	
General Electives		4	
Year Total:	12	15	

Total Units in Sequence: 120

¹ Meets 40-hour advanced credit hour requirement. See College Academic Regulations.

² Meets 24-hour rule (24 hours of 3000-4000 level courses in Fulbright College), in addition to meeting the 40-hour rule. See College Academic Regulations.