REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN GEOPHYSICS MEWBOURNE COLLEGE OF EARTH AND ENERGY

THE UNIVERSITY OF OKLAHOMA

GENERAL REQUIREMENTS

For Students Entering the Oklahoma State System for Higher Education Summer 2017 through Spring 2018

 Total Credit Hours
 126*

 Total Upper-Division Credit Hours
 48
 Minimum Retention/Graduation Grade Point Averages: Minimum in Major Coursework- Combined and OU 2.50

Geophysics

B481 Bachelor of Science in Geophysics

(OU encourages students to complete at least 33 hours of applicable coursework each year to have the opportunity to graduate in four years.					
Year	FIRST SEMESTER	Hours	SECOND SEMESTER	Hours		
FRESHMAN	 ENGL 1113, Principles of English Composition (Core I) ⁶MATH 1914, Differential and Integral Calculus I (Core I) ²CHEM 1315, General Chemistry (Core II) GEOL 1114, Physical Geology for Science & Engineering Majors 	3 4 5 4	 ENGL 1213, Principles of English Composition (Core I), or EXPO 1213, Expository Writing (Core I) MATH 2924, Differential and Integral Calculus II ²CHEM 1415, General Chemistry GEOL 1124, Earth History 	3 4 5 4		
	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	16		
SOPHOMORE	 ⁶MATH 2934, Differential and Integral Calculus III PHYS 2514, General Physics for Engineering & Science Majors (Core II) C S 1313, Programming for Non-Majors with C GEOL 2224, Introduction to Mineral Sciences ¹General Education Western Civilization & Culture (Core IV) TOTAL CREDIT HOURS 	4 4 3 4 3 18	HIST 1483 or 1493, U.S. (Core IV) PHYS 2524, General Physics for Engineering &Science Majors P SC 1113, American Federal Government (Core III) GEOL 3233, Sedimentary Petrology and Sedimentology ¹ General Education Understanding Artistic Forms (Core IV) TOTAL CREDIT HOURS	3 4 3 3 3 16		
JUNIOR	 MATH 3113, Introduction to Ordinary Differential Equations GEOL 3114, Structural Geology GPHY 4413, Global Geophysics Physics Elective (upper-division) 	3 4 3 3	PHYS 3043, Physical Mechanics I Geology Math Elective (upper-division) Geophysics Elective (upper- division) Geology Elective (upper-division) ¹ General Education Social Sciences (Core III)	3 3 3 3 3		
	TOTAL CREDIT HOURS	13	TOTAL CREDIT HOURS	15		
SENIOR	ENGL 3153, Technical Writing, or ³ GEOL 3333, Geowriting GPHY 4874, Seismic Exploration GPHY 5864, Gravimetric & Magnetic Exploration Physics Elective (upper-division) Geophysics Elective (upper-division)	3 4 4 3 3	GEOL 3123, Introductory Field Geology Elective (upper-division) Geophysics Elective (upper-division) ¹ General Education Non-Western Culture (Core IV)	3 3 3 3		
	TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS	12		
	SUMMER	GPHY 41	33 , Colorado Field Experience (Capstone) — 3 HOURS			
 * = Students who have not completed two years of the same foreign language in high school are required to take two college courses in the same foreign language. This additional coursework may add 6-10 hours to the minimum hours required for graduation. ‡ = In order to progress in your curriculum, and as a specific graduation requirement, a grade of C or better is required in each course listed in the curriculum. Students must also successfully complete all prerequisite courses with a grade of C or better before proceeding to the next course. ¹ = To be chosen from the University-Wide General Education Approved Course List. Three hours of general education outside the major must be upper-division. ² = CHEM 1335 and 1435 may be substituted for CHEM 1315 and 1415. ³ = GEOL 3333 is taught on an irregular basis and may be substituted for ENGL 3513 Technical Writing § = Math 1823, 2423, 2433, and 2443 may be substituted for Math 1914, 2924 and 2934. 						
University-Wide General Education Requirements (minimum 40 hours) Courses designated as Core I, II, III, IV, or Capstone are part of the General Education curriculum. Students must complete a minimum of 40 hours of General Education courses, chosen from the approved						
list, including at least one upper-division Gen. Ed. course outside of the student's major. Courses graded S/U or P/NP will not apply.						
Core I	 English Composition-6 hours, 2 courses Mathematics-3 hours, 1 course Foreign Language-0-10 hours, 2 courses in the same language, (can be met by successfully completing 2 years of the same foreign language in high school) Other (courses such as communication, logic or public speaking) 					
Core II	 Natural Science (7 hours, 2 courses) Courses must be taken from different disciplines in the biological and/or physical sciences; one of which must include a laboratory. 					
Core III Core IV	One course must be P SC 1113, "American Federal Government" Humanities (12 hours, 4 courses) • Understanding Artistic Forms–3 hours, 1 course					
	Western Civilization and Culture–6 hours, 2 courses, including HIST 1483 or HIST 1493 Non-Western Cultures–3 hours, 1 course					
Senior Capstone Experience (3 hours, 1 course)						