

REQUIREMENTS FOR THE BACHELOR OF SCIENCE
MEWBOURNE COLLEGE OF EARTH AND ENERGY
THE UNIVERSITY OF OKLAHOMA

Academic Year
For Students Entering the Oklahoma State System for Higher Education Summer 2020 through Spring 2021

General Requirements	
Minimum Total Credit Hours	121
Minimum Upper-Division Hours	48
Minimum Retention/Graduation Grade Point Averages:	
Overall - Combined and OU	2.50
Major - Combined and OU	2.50

Program
Paleontology
B760
Bachelor of Science

OU encourages students to complete at least 31 hours of applicable coursework each year to have the opportunity to graduate in 4 years.

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 in this curriculum. Students must also successfully complete **all** prerequisite courses with a grade of C or better before proceeding to the next course.

Year	FIRST SEMESTER		Hours	SECOND SEMESTER		Hours
FRESHMAN	ENGL 1113	Principles of English Composition (Core I)	3	ENGL 1213 or EXPO 1213	Principles of English Composition (Core I) or Expository Writing	3
	MATH 1914	Differential and Integral Calculus I (Core I) ¹	4	MATH 2924	Differential and Integral Calculus II ¹	4
	CHEM 1315	General Chemistry (Core II) ²	5	CHEM 1415	General Chemistry (Continued) ²	5
	GEOL 1114	Physical Geology for Science and Engineering Majors	4	GEOL 1124	Earth History	4
	CREDIT HOURS		16	CREDIT HOURS		16
SOPHOMORE	MATH 2934	Differential and Integral Calculus III ¹	4	HIST 1483 or HIST 1493	United States to 1865 (Core IV) or United States, 1865 to the Present	3
	GEOL 2224	Introduction to Mineral Sciences	4	PHYS 2514	General Physics for Engineering and Science Majors (Core II)	4
	BIOL 1114	Introductory Zoology	4	GEOL 3233	Sedimentary Petrology and Sedimentology	3
		General Education Understanding Artistic Forms (Core IV) ³	3	P SC 1113	American Federal Government (Core III)	3
			BIOL 1121	Introductory Zoology Lab	1	
	CREDIT HOURS		15	CREDIT HOURS		14
JUNIOR	PHYS 2524	General Physics for Engineering and Science Majors	4	GEOL 3223	Igneous and Metamorphic Petrology	3
	BIOL 2013	Evolution	3	GEOL 4513	Evolutionary Paleobiology ⁴	3
	GEOL 3114	Structural Geology	4	GEOL 4413	⁴	3
	GEOL 3513	Fundamentals of Invertebrate Paleontology	3		General Education Social Science (Core III) ³	3
				General Education Western Civilization & Culture (Core IV) ³	3	
	CREDIT HOURS		14	CREDIT HOURS		15
SENIOR	ENGL 3153 or GEOL 3333	Technical Writing 5 or Geowriting ⁵	3	GEOL 3123	Introductory Field Geology	3
	GEOL 4113	Depositional Systems and Stratigraphy	3	BIOL 3403	Principles of Ecology	3
		Choose one of the following (see note below): ⁶	3	BIOL 5204	Vertebrate Paleobiology ⁴	4
	GPHY 4413	Global Geophysics			General Education Non-Western Culture (Core IV) ³	3
	GEOL 4223	Principles of Geochemistry (Slashlisted with 5223)				
		Science Elective	3			
	CREDIT HOURS		12	CREDIT HOURS		13
	SUMMER					
	GEOL 4136	Field Geology (Capstone)	6			
	CREDIT HOURS		6			

¹ MATH 1823, MATH 2423, MATH 2433, and MATH 2443 may be substituted for MATH 1914, MATH 2924, and MATH 2934.

² CHEM 1335 and CHEM 1435 may be substituted for CHEM 1315 and CHEM 1415.

³ To be chosen from the University-Wide General Education Approved Course List. Three hours of general education must be upper-division outside the major.

⁴ GEOL 4413, GEOL 4513 and BIOL 5204 are taught in alternate years and specific semesters. Students should plan their coursework with this in mind so that graduation problems do not arise. The order in which these courses are taken must be approved by faculty advisor.

⁵ GEOL 3333 is taught on an irregular basis and may be substituted for ENGL 3513.

⁶ Only one of the following courses is required. GPHY 4413 is taught alternate fall semesters; GEOL 4223 is taught alternate spring semesters.