GEOLOGY (BSG)

Description

The B.S. degree in geology prepares a student for a productive career as a professional geologist engaged in continuous professional growth along his or her chosen career path, or prepares a student for admission into a graduate degree program or professional school.

Minimum Total Credit Hours: 124

Degree Requirements

The academic regulations for this degree program, as entered in the University of Mississippi Catalog, are in effect for the current or selected academic year and semester. The University of Mississippi reserves the right to

1. change or withdraw courses;
2. change rules for registration, instruction, and graduation; and
3. change other regulations affecting the student body at any time.

General Education

Degree Requirements

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3. change other regulations affecting the student body at any time.

General Education

Code	Title	Hours
Select one of the following First Year Writing I courses:		3
WRIT 1000	Introduction to College Writing	
WRIT 1010	First-Year Writing I	
HONR 1010	Freshman Honors I	
Select one of the following First Year Writing II courses:		3
WRIT 1020	First-Year Writing II	
LIBA 1020	First Year Seminar	
HONR 1020	Freshman Honors II	
WRIT 2500	Advanced Composition	
Select three hours of fine arts from the following: [1]		3
Art History (ARTH)		
Music (MUSC)		
Dance (DANC)		
Theatre Arts (THEA)		
LIBA 1300	Introduction to the Fine Arts	
LIBA 2040	Interdisciplinary Arts	
LIBA 3140	Advanced Interdisciplinary Arts	
MUSC 1010	Introduction to Music Literature	
MUSC 1020	Fundamentals of Music Theory	
MUSC 1030	Introduction to Music	
MUSC 1040	Introduction to World Music Cultures	
MUSC 1050	Music Theory and Analysis I	
DANC 2000	Dance Appreciation	
THEA 2010	Appreciation of the Theatre	
THEA 2020	Introduction to Cinema	
Select three hours of social sciences courses from the following:		3
Anthropology (ANTH)		
Economics (ECON)		
Political science (POLS)		
Psychology (PSYC)		
Sociology (SOCY)		
LIBA 2030	Interdisciplinary Social Sciences	
LIBA 3130	Advanced Interdisc Social Science	
HONR 1010	Freshman Honors I	
HONR 1020	Freshman Honors II	
ECON 3100	Engineering Economy	3
Select six hours of humanities courses from the following:		6
AAST 2010	African American Experience I	
AAST 2020	African American Experience II	
Classics (CLSC)		
English (ENGL 2220-2226)		
ISOM 2010	Introduction to Gender Studies	
ISOM 2020	Introduction to Queer Studies	
History (HIST)		
LIBA 2020	Interdisciplinary Humanities	
LIBA 3050	Humanities and the Experience of War	
LIBA 3120	Advanced Interdisciplinary Humanities	
Philosophy (PHIL)		
Religion (RELG)		
Southern studies (SSTU 1000-level)		
HONR 1010	Freshman Honors I [2]	
HONR 1020	Freshman Honors II [2]	
Select one of the following:		3
SPCH 1020	Fundamentals of Public Speaking	
SPCH 1050	Business and Professional Speech	
ENGR 3900	Professional Communication for Engineers	
Total Hours		**24**

[1] Studio and workshop courses cannot be used to satisfy this requirement

[2] if not being used to fulfill composition requirements

General Education II

Code	Title	Hours
Select two of the following:		6
MATH 2611	Unified Calculus & Analytic Geometry I	
MATH 2612	Unified Calculus & Analytic Geometry II	
MATH 2613	Unified Calculus & Analytic Geometry III	
Select an additional three hours of math chosen from the following: [1]		3
MATH 1250	Basic Mathematics for Science & Eng	
MATH 2611	Unified Calculus & Analytic Geometry I	

MATH 2612	Unified Calculus & Analytic Geometry II	
MATH 2613	Unified Calculus & Analytic Geometry III	
Total Hours		**9**

[1] A combination of MATH 1210 College Algebra and MATH 1230 Trigonometry may be substituted for MATH 1250 Basic Mathematics for Science & Eng.

Major Requirements

Code	Title	Hours
Select one of the following:		3
CSCI 1011	Computer Science I	
CSCI 1051	Programming for Engineering and Sciences	
CSCI 1056	Programming in Python	
ENGR 1010 & ENGR 1110	Engineering Fundamentals and Engineering Fundamentals Lab	3
ENGR 3400	Engineering Geology	4
ENGR 4530	Prob and Stat Analyses in Engr Design	3
or ENGR 3100	Engineering Analysis I	
GEOE 3010	Geological Eng. Design Field Camp 1	3
GEOE 4010	Geological Eng. Design Field Camp 2	3
GEOE 4200	Subsurface Site Characterization	4
GEOE 4500	Hydrogeology	4
GEOE 4700	Intro. to Geographic Information System	3
GEOE 4050	Engineering Geophysics	3
or GEOE 5030	Environmental Geochemistry	
GEOL 1030	Earth Dynamics	4
GEOL 1050	Environmental Geology - Resources	3
GEOL 1060	Earth History	2
GEOL 2250	Mineralogy & Elementary Petrology	5
GEOL 3030	Structural and Tectonic Geology	4
GEOL 3050	Geomorphology	3
GEOL 3090	Invertebrate Paleontology	4
GEOL 3140	Sedimentology and Stratigraphy	4
GEOL 4200	Optical Mineralogy	3
or GEOL 5200	Advanced Igneous and Metamorphic Petrolo	
Complete 1 additional Geology, Geological Engineering or Engineering course at the 3000-level or above.		3
Complete 4 hours of general electives to reach the required 124 credits.		4
Total Hours		**72**

Geology Residency Hrs

Student must earn at least 18 hours of their major courses in residence.

Resident Major GPA

Please contact your academic advisor for grade point requirements.

Overall Major GPA

Please contact your academic advisor for grade point requirements.

Major Requirements II

Code	Title	Hours
CHEM 1050	General Chemistry I	3
CHEM 1060	General Chemistry II	3
CHEM 1051	General Chemistry Laboratory I	1
CHEM 1061	General Chemistry Laboratory II	1
Select one of the following:		8
PHYS 2130 & PHYS 2140 & PHYS 2131 & PHYS 2141	General Physics I and General Physics II and Laboratory Physics I and Laboratory Physics II	
PHYS 2110 & PHYS 2120 & PHYS 2111 & PHYS 2121	Physics for Science & Engineering I and Physics for Science & Engineering II and Lab Physics for Science & Engineering I and Lab Physics for Science & Engineering II	
Total Hours		**16**