













EARTH SCIENCE, B.A.







 - General Education Course

 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.

Major

The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at <https://www.marshall.edu/gened/>.


Code	Title	Credit Hours
Core Curriculum		
<i>Core 1: Critical Thinking</i>		
FYS 100	First Yr Sem Critical Thinking	3
MTH 160 	Applied Math Reasoning (CT)	5
PS 101 	Introductory Astronomy (CT)	4
<i>Core 2</i>		
ENG 101 	Beginning Composition	3
ENG 201  	Advanced Composition	3
CMM 103  	Fund Speech-Communication	3
MTH 160  	Applied Math Reasoning (CT)	5
Core II Humanities		
Core II Social Science		
Core II Fine Arts		
GLY 200   & GLY 210L 	The Dynamic Earth and Earth Materials Lab	4
<i>Additional University Requirements</i>		
Writing Intensive		3
Writing Intensive		3
Multicultural or International		3
GLY 491 	Capstone Experience	2
Major-Specific		
GLY 100  	Geologic Hazards & Resources	3
GLY 150 	Intro Oceanography	3
GLY 150L 	Intro Oceanography Lab	1
GLY 200 	The Dynamic Earth	3
GLY 210L 	Earth Materials Lab	1
GLY 201 	The Earth Through Time	3
GLY 211L 	Earth Through Time Lab	1
GLY 313 	Structural Geology	4
GLY 325 	Stratigraphy & Sediment	4
GLY 451	Principles Geomorphology	4
GLY 456 	Environmental Geology	4
GLY 491 	Capstone Experience	2
CHM 211  	Principles of Chemistry I	3
CHM 217 	Principles of Chem Lab I	2
PHY 201  	College Physics I	3
PHY 202  	General Physics I Laboratory	1

BSC 120  	Principles of Biology	4
IST 150	Spreadsheet & Database Prin	3
PS 101 	Introductory Astronomy (CT)	4
PS 400	Astronomy	3
PS 400L	Astronomy Laboratory	1
MTH 160 	Applied Math Reasoning (CT)	5
ENG 354	Scientific & Tech Writing	3
GEO 230 	Intro to Meteorology (CT)	4
GEO 422 	Environmental Geography	3
GEO 426	Principles of GIS	4
GLY Elective		4
GLY Elective		4
Elective (GLY, GEO, IST or NRE)		3-4
Free Elective		1

Major Information






- Students are strongly encouraged to select courses that meet two or more Core or College requirements. For example, a writing intensive literature course could satisfy the College of Science literature requirement as well as the Core II writing intensive requirement.
- Course offerings and course attributes are subject to change semesters. Please consult each semesters schedule of courses for availability and attributes.
- Math is based on an ACT Mathematics score of 17 or higher. Students with an ACT Mathematics score less than 17 will be placed in the appropriate mathematics and science courses.
- The capstone experience (GLY 491 Capstone Experience) is an individualized research project or internship experience requiring a written report and an oral presentation. The capstone requirement may be met alternatively by attending geology summer field camp or by completing the capstone seminar offered each spring (GLY 492 Capstone Experience).

 - General Education Course

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Four Year Plan

Programs of study offered by the Department of Geology are designed for individuals seeking a career as an earth scientist. The greatest numbers of geologists are employed by natural resource industries. These include metallic and nonmetallic mining companies as well as petroleum, natural gas, and coal companies. New and challenging careers are also available in environmental and engineering geology. The majority of graduates in the past few years have found employment with environmental and geotechnical companies.

Course	Title	Credit Hours
First Year		
First Semester		
GLY 200  	The Dynamic Earth	3
GLY 210L  	Earth Materials Lab	1
ENG 101 	Beginning Composition	3
FYS 100	First Yr Sem Critical Thinking	3

BSC 120 🌿🎓	Principles of Biology	4
UNI 100	Freshman First Class	1
Credit Hours		15

Second Semester

GLY 201 🌿	The Earth Through Time	3
GLY 211L 🌿	Earth Through Time Lab	1
ENG 201 🌿🎓	Advanced Composition	3
GLY 100 🌿	Geologic Hazards & Resources	3
IST 150	Spreadsheet & Database Prin	3
Multicultural or International		3
Credit Hours		16

Second Year**First Semester**

CHM 211 🌿🎓	Principles of Chemistry I	3
CHM 217 🌿	Principles of Chem Lab I	2
PS 101 🌿	Introductory Astronomy (CT)	4
GLY 325 🎓	Stratigraphy & Sediment	4
GLY 150 🌿	Intro Oceanography	3
GLY 150L 🌿	Intro Oceanography Lab	1
Credit Hours		17

Second Semester

GLY 313 🎓	Structural Geology	4
GLY Elective		4
ENG 354	Scientific & Tech Writing	3
MTH 160 🌿🎓	Applied Math Reasoning (CT)	5
Credit Hours		16

Third Year**First Semester**

PS 400	Astronomy	3
PS 400L	Astronomy Laboratory	1
GLY 451	Principles Geomorphology	4
Elective (GLY, GEO, IST or NRE)		4
Core II Fine Arts		3
Credit Hours		15

Second Semester

GLY 456 🎓	Environmental Geology	4
GEO 230 🌿	Intro to Meteorology (CT)	4
CMM 103 🌿🎓	Fund Speech-Communication	3
Writing Intensive		3
Credit Hours		14

Fourth Year**First Semester**

PHY 201 🌿🎓	College Physics I	3
PHY 202 🌿🎓	General Physics I Laboratory	1
Writing Intensive		3
GEO 426	Principles of GIS	4
GLY 491 🌿	Capstone Experience	2
Free Elective		1
Credit Hours		14

Second Semester

GEO 422 🌿	Environmental Geography	3
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GLY Elective	4	
Core II Humanities	3	
Core II Social Science	3	
Credit Hours		13
Total Credit Hours		120