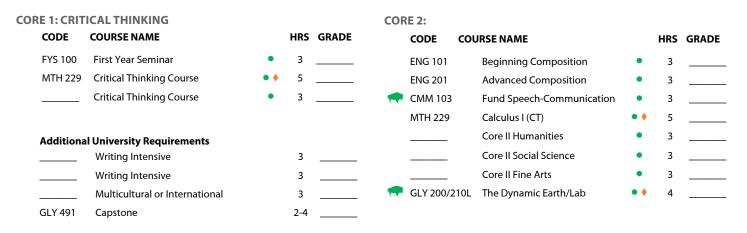
## GEOLOGY

#### REQUIREMENTS

CORE CURRICULUM 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 marshall.edu/gened.



### MAJOR-SPECIFIC

All Geology majors are required to take the following courses:

	CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		н	RS GRADE
-	GLY 200	The Dynamic Earth	• •	3		-	CHM 211	Principles of Chemistry I	٠	3	
-	GLY 210L	Earth Materials Lab	• •	1			CHM 217	Principles of Chemistry Lab I	•	2	
	GLY 201	The Earth Through Time	٠	3				GLY Elective	•	4	
	GLY 211L	The Earth Through Time Lab	•	1				GLY Elective	٠	4	
-	GLY 212	Geologic Field Methods	•	3				GLY Elective	٠	3	
-	GLY 313	Structural Geology	٠	4		-	PHY 201	College Physics I	•	3	
-	GLY 314	Mineralogy	•	4		-	PHY 202	General Physics I Lab	٠	1	
	GLY 320L	Lab Techniques in Geology	•	2			MTH 229	Calculus I (CT)	• •	5	
-	GLY 325	Statigraphy & Sediment	•	4				Free Elective		4	
	GLY 426	Geophysics (or GLY 186	•	3-4				Free Elective		3	
		Invertebrate Paleontology)						Free Elective		3	
	GLY 420	Principles of Geochemistry	•	3				Free Elective		3	
	GLY 421	Petrology (or GLY 423	•	4				Free Elective		3	
		Sedimentary Petrology)									
	GLY 455	Hydrogeology	•	3							
	GLY 455L	Hydrogeology Lab	•	1							
	GLY 457	Engineering Geology	•	4							
	GLY 491	Capstone	٠	2-4							

### 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 27 or higher. Students with an ACT Mathematics score less than 27 will be placed in the appropriate mathematics and science courses.
- The capstone experience (GLY 491) 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 on demand in the Spring semester.

Area of Emphasis

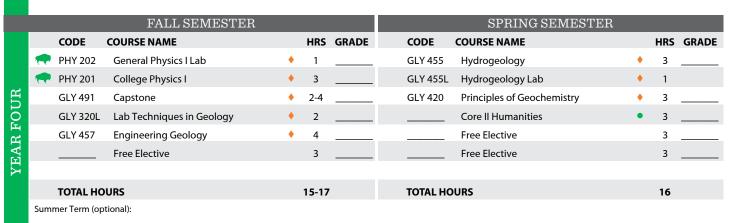
Major Requirement

College Requirement

# GEOLOGY

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.

		FALL SEMESTER						SPRING SEMESTEI	R		
	CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		HRS	GRAD
<b>•</b>	GLY 200	The Dynamic Earth	•	3			GLY 201	The Earth Through Time	•	3	
<b>•</b>	GLY 210L	Earth Materials Lab	•	1			GLY211L	The Earth Through Time Lab	•	1	
	ENG 101	Beginning Composition	•	3			ENG 201	Advanced Composition	•	3	
	FYS 100	First Year Sem Crit Thinking	•	3				Core II Fine Arts	•	3	
	MTH 229	Calculus I (CT)	• •	5			CMM 103	Fund- Speech Communication	•	3	
	UNI 100	Freshman First Class		1				Multicultural or International	•	3	
	TOTAL HOURS			16			TOTAL HOURS			16	
Sum	imer Term (opt	tional):									
	FALL SEMESTER							SPRING SEMESTEI	R		
	CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		HRS	GRAD
	CHM 211	Principles of Chemistry I	•	3		-	GLY 313	Structural Geology	•	4	
	CHM 217	Principles of Chemistry I Lab	•	2				GLY Elective (GLY 427	•	4	
	GLY 212	Geologic Field Methods	•	3				Recommended)			
<b>•</b>	GLY 325	Stratigraphy & Sediment	•	4				Writing Intensive	•	3	
		CT Designated Course	•	3				Free Elective		3	
	TOTAL HOURS			15			TOTAL HOURS			14	
Sum	Summer Term (optional):										
	FALL SEMESTER							SPRING SEMESTEI	R		
	CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		HRS	GRAD
	GLY 314	Mineralogy	٠	4			GLY 426	Geophysics (or GLY 186	•	3-4	
		Core II Social Science	•	3				Invertebrate Paleontology)			
		Writing Intensive	•	3			GLY 421	Petrology (or GLY 423 Fall)	•	4	
		GLY Elective (GLY 330 or 451)	•	3-4				GLY Elective (GLY 456 Rec.)	•	4	
								Free Elective		4	
	TOTAL HO	URS		13-14			TOTAL HO	DURS		15-16	
Sum	imer Term (opt										



Area of Emphasis

Major Requirement