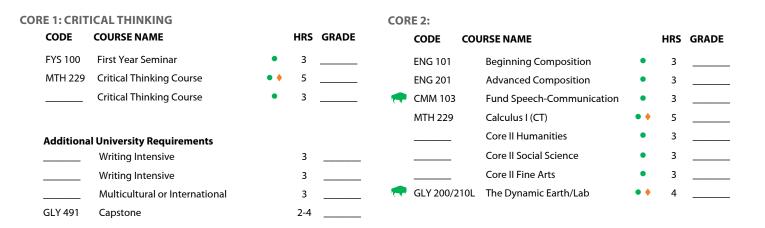
GEOLOGY

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

• See faculty or advisor for a list of recommended electives.

			FALL SEMESTER						SPRING SEMESTER	R		
		CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		HRS	GRADE
		GLY 200	The Dynamic Earth	٠	3			GLY 201	The Earth Through Time	•	3	
,		GLY 210L	Earth Materials Lab	•	1			GLY211L	The Earth Through Time Lab	•	1	
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	
NTVIT T		UNI 100	Freshman First Class		1				Multicultural or International	•	3	
		TOTAL HO	URS		16			TOTAL HO	URS		16	
	Sumr	ner Term (op	tional):									
			FALL SEMESTER						SPRING SEMESTER	R		
P	_		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)		2	
		GLY 325	Stratigraphy & Sediment	•	4				Writing Intensive Free Elective		3	
			CT Designated Course		3						5	
1												
Ľ	TOTAL HOURS Summer Term (optional):				15		TOTAL HOURS				14	
	FALL SEMESTER					_		-	SPRING SEMESTER	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)			
김 김			Writing Intensive	٠	3			GLY 421	Petrology (or GLY 423 Fall)	•	4	
ЧЦ Т Т			GLY Elective (GLY 330 or 451)	•	3-4				GLY Elective (GLY 456 Rec.)	•	4	
н 2									Free Elective		4	
IFAR												
		TOTAL HO	URS	1	3-14			TOTAL HO	URS		15-16	
	Sumr	ner Term (op	tional):									
			FALL SEMESTER						SPRING SEMESTER	R		
		CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		HRS	GRAD
	•	PHY 202	General Physics I Lab	•	1			GLY 455	Hydrogeology	•	3	
<u>م</u>	-	PHY 201	College Physics I	•	3			GLY 455L	Hydrogeology Lab	•	1	
9		GLY 491	Capstone	٠	2-4			GLY 420	Principles of Geochemistry	٠	3	
2		GLY 320L	Lab Techniques in Geology	•	2				Core II Humanities	•	3	
IEARFOU		GLY 457	Engineering Geology Free Elective	•	4 3				Free Elective Free Elective		3	

FOUR YEAR PLAN COLLEGE OF SCIENCE 2024-2025

GEOLOGY

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INVOLVEMENT OPPORTUNITIES

- Geology Club
- Student Government Association
- Departmental seminars
- Student mentors
- Professional Organizations
- Scholarships and Tuition waiver
- Internships
- Research projects
- LinkedIn
- Club Sports
- Campus Activity Board
- Cultural Organizations

RELATED MAJORS

- Environmental Science
- Environmental Chemistry
- Education
- Civil Engineering Environmental Engineering
- Geography
- Meteorology

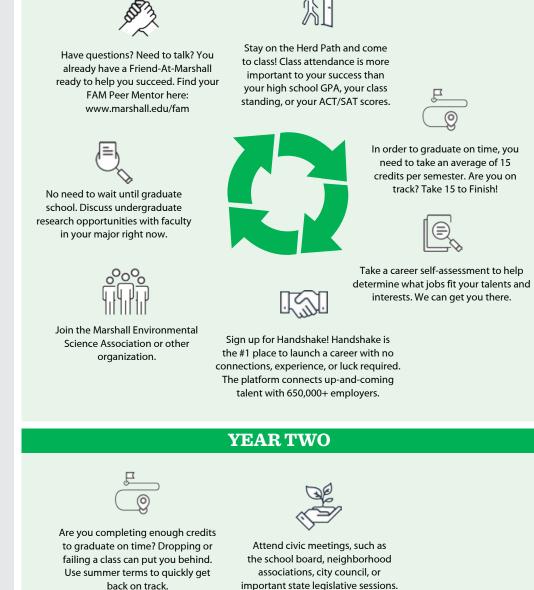
Applied Physics

GRADUATION REOUIREMENTS

- Have a minimum of 120 credit hours (some colleges or majors require more);
- Have an overall and Marshall Grade Point Average of 2.00 or higher:
- Have an overall Grade Point Average of 2.00 or higher in the major area of study;
- Have earned a grade of C or better in English 201 or 201H;
- Have met all major(s) and college requirements;
- Have met the requirements of the Core Curriculum:
- Have met the residence requirements of Marshall University, including 12 hours of 300/400 level coursework in the student's college (see section entitled "Residence Requirements" in the undergraduate catalogue);
- Be enrolled at Marshall at least one semester of the senior year;
- Have transferred no more than 72 credit hours from an accredited West Virginia twovear institution of higher education.

Colleges and specific programs may have unique requirements that are more stringent than those noted above. Students are responsible for staving informed about and ensuring that they meet the requirements for graduation.

This academic map is to be used as a guide in planning your coursework toward a degree. Due to the complexities of degree programs, it is unfortunate but inevitable that an error may occur in the creation of this document. The official source of degree requirements at Marshall University is DegreeWorks available in your myMU portal. Always consult regularly with your advisor.





Have you considered adding a minor or certification? Think about personal areas of interest that might give you a more marketable skill set.



Run for Student Government and represent your fellow students while making a long-term difference on Marshall's Campus.





YEAR ONE



Don't enter your field with zero experience! Secure an internship related to your field of study.

rta.

Get involved! Strengthen your

resume by gaining valuable field

and laboratory experience.

Join the Marshall Environmental Science Association or other organization.

GEOLOGY - 2024 - 2025

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In order to graduate on time, you

need to take an average of 15

credits per semester. Are you on

track? Take 15 to Finish!

Take a career self-assessment to help

interests. We can get you there.

YEAR THREE



Join professional associations in your field, like: Geological Society of America or American Institute of Professional Geologists.



Think about who can help you grow as a student and a professional (professors, advisors, alumni, etc.)and ask at least one to be your mentor.



Strengthen your resume and enhance your presentation skills. Present what you've learned at an academic conference off campus.



Bun for Student Government and represent your fellow students while making a long-term difference on Marshall's Campus.



YEAR FOUR



graduate? Meet with your advisor for your Senior Eval to see what requirements you have left.



Want to continue your education and increase your opportunities? Talk to a faculty member about whether graduate school fits your career goals.



Join professional associations in your field, like: Geological Society of America or American Institute of Professional Geologists.



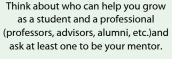
Be at the top of your professional game! Prepare a final resume and practice your interview skills with a career coach in Career Education.







This is it! Are you on track to



Conservation and sustainability outreach is available. Join up!

> Pursue research and funding opportunities for undergraduates.



Are you on track to graduate? Meet with your advisor for your Junior Eval to make sure you know what requirements you have left.



Don't enter your field with zero experience! Meet with your advisor to discuss your internship options.

TRANSFERABLE SKILLS ASSOCIATED WITH THIS MAJOR

- Oral and written communication
- Critical thinking
- Quantitative reasoning
- "Big Data" processing
- Field work and geological mapping
- Scientific reasoning and problem-solving ability
- Ability to work individually and as part of a team
- Technological literacy

ASSOCIATED CAREERS

- Petroleum Geology (Oil & Gas)
- Mining Industry
- National Parks
- Drilling Project Management
- Well logging
- Seismic Data Interpretation
- Environmental Consultancies
- Environmental Analysis and Site Assessment
- Geotechnical Engineering
- Civil Engineering
- Research and Development







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