CURRICULUM PLAN COLLEGE OF LIBERAL ARTS 2022-2023

# GEOGRAPHY - B.S. GISCIENCE

#### REQUIREMENTS

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.

CORE 1: CRIT	ICAL THINKING COURSE NAME		HRS	GRADE	COR	E 2: CODE	COURSE NAME		HRS	GRADE
FYS-100	First-Year Seminar	•	3			ENG 101	Beginning Composition	•	3	
STA 225	Critical Thinking Course	•	3		<b>(</b>	ENG 201	Advanced Composition	•	3	
GEO 100	Critical Thinking Course	•	3			CMM 103	Fund Speech-Communication	•	3	
					<b>***</b>	STA 225	Introductory Statistics (CT)	•	3	
Additional	University Requirements						Core II Natural/Physical Science	•	4	
	Writing Intensive		3				Core II Humanities	•	3	
	Writing Intensive (300/400)		3			GEO 100	Human Geography (CT)	• •	3	
GEO 100	Multicultural or International		3				Core II Fine Arts	•	3	
	Capstone		4							

#### **COLLEGE-SPECIFIC**

All liberal arts majors are required to complete the following College of Liberal Arts Requirements. These classes may not be counted towards Core II requirements.

CODE	COURSE NAME		HRS	GRADE	CODE	COURSE NAME		HRS	GRADE
	COLA Literature	•	3			COLA Social Science	•	3	
	COLA Literature		3		GEO 101	COLA Natural/Physical Science	•	4	
	COLA Humanities	•	3			COLA International Credit	•	3	
	COLA Social Science	•	3			COLA Multicultural Credit	•	3	
	COLA Social Science		3						

#### MA IOR-SPECIFIC

Students who wish to major in Georaphy B.S. with an area of emphasis in GIScience must take the following major specific courses:

CODE	COURSE NAME		HRS	GRADE	CODE	COURSE NAME		HRS	GRADE
GEO 100	Human Geography (CT)	• •	3			GIS Analysis and Applications	<b>♦</b>	3	
📻 GEO 101	Physical Geography (CT)	•	4			GIS Analysis and Applications	<b>♦</b>	3	
GEO 300	Methods in Geography	•	3			GIScience Elective	•	3	<u>.</u>
GEO 423	Cartography and GIS	•	3			GIScience Elective	•	3	
<b>GEO</b> 426	Principles of GIS	•	4			Free Elective		3	<u>-</u>
GEO 498	Senior Capstone I	•	2			Free Elective		3	
GEO 499	Senior Capstone II (WI)	•	2			Free Elective		3	
	Regional Geography	•	3			Free Elective		3	
GEO 431	Remote Sensing and	•	4			Free Elective		3	·
	Photogrammetry					Free Elective		3	
	GIS Technologies	•	3						
	GIS Technologies	•	3						

#### **MAJOR INFORMATION**

- The total number of free electives will depend on the amount of double and triple counting of requirements.
- See course attributes each semester for courses that meet multiple requirements
- Questions about requirements should be directed to the College of Liberal Arts (304-696-2350). Core II and COLA requirements may not be double counted.
- Forty-eight credit hours (sixteen 3-hour courses) must be at the 300/400 level.
- Students must earn a C or better in ENG 201 and all foreign language courses.
- · Minimum of 120 hours to graduate.
- The B.S. in Geography requires a minimum total of 45 credit hours of

Geography coursework. Beyond the Geography Core Requirements, students choose a minimum of 15 credits from Physical Geography or GlScience. Remaining electives may be chosen from any GEO courses. To compensate for the increased number of hours for the B.S. in Geography (including the Meteorology and Weather Broadcasting areas of emphasis), students are exempted from the College of Liberal Arts foreign language requirement.

MY ADVISOR'S NAME IS:

- Technologies: Choose at least six credits from: GEO 110, GEO 111, GEO 112, GEO 113, GEO 433, GEO 434, GEO 454.
- Analysis and Applications: Choose a minimum of six credits from: GEO 429, GEO 430, GEO 432, GEO 440, GEO 490.
- Electives: Choose additional GIScience (GEO) courses to reach a minimum of 21 credit hours beyond the Geography Core Requirements.

FOUR YEAR PLAN COLLEGE OF LIBERAL ARTS 2022-2023

## GEOGRAPHY - B.S. GISCIENCE

Geography is the systematic study of the spatial aspects of human activity, the natural world, and human-environment interaction. The discipline of Geography occupies a unique position as a bridge between the social sciences (Human Geography), natural sciences (Physical Geography), and STEM fields (GIScience). As a result, the Geography Department offers both a Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) degree. Both degrees offer students broad exposure to the various subfields of Geography and provide specialized career training and preparation. Geography is a rapidly expanding discipline with diverse career opportunities across the environmental sciences, social sciences, and technological fields in both the public and private sectors.

MY ADVISOR'S NAME IS:

		FALL SEMESTER						SPRING SEMESTER			
	CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		HRS	GRAD
	CMM 103	Fund Speech-Communication	•	3		<b>***</b>	ENG 201	Advanced Composition	•	3	
	ENG 101	Beginning Composition	•	3		<b>***</b>	GEO 101	COLA Nat/Phys Science: Physical	<b>•</b> •	4	
	FYS 100	First Year Seminar Crit Thinking	•	3				Geography (CT)			
	GEO 100	Core II Social Science: Human	• •	3				Writing Intensive		3	
		Geography (CT, MC/I)						Core II Humanities	•	3	
Ŧ	TA 225	Introductory Statistics (CT)	•	3				Core II Fine Arts	•	3	
	UNI 100	Freshman First Class		1							
	TOTAL H	OURS		16			TOTAL HO	DURS		16	
9	Summer Term (o	ptional):									
		FALL SEMESTER						SPRING SEMESTER			
	CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		HRS	GRAD
ı		COLA Humanities	•	3				GIS Technologies	•	3	
		Regional Geography	•	3			GEO 431	Remote Sensing and	•	4	
		Core II: Physical/Natural Science	•	4				Photogrammetry			
		COLA Literature	•	3				COLA Literature	•	3	
		COLA Social Science	•	3			GEO 300	Methods in Geography	•	3	
								COLA Social Science	•	3	
ı											
	TOTAL H			16			TOTAL HO	DURS		16	
9	Summer Term (o	ptional):									
		FALL SEMESTER			-		-	SPRING SEMESTER			
Г	CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		HRS	GRAD
		COLA Social Science		3				GIS Analysis and Applications	•	3	
		GIS Technologies	•	3				300/400 Writing Intensive		3	
П	GEO 423	Cartography and GIS	•	3		<b>**</b>	GEO 426	Principles of GIS	•	4	
		COLA Multicultural	•	3				COLA International		3	
		Free Elective		3				Free Elective		3	
	TOTAL H	OURS		15			TOTAL HO	DURS		16	
9	Summer Term (o	ptional):									
		FALL SEMESTER						SPRING SEMESTER			
	CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		HRS	GRAD

		FALL SEMESTER					SPRING SEMES'	TER		
	CODE	COURSE NAME		HRS	GRADE	CODE	COURSE NAME		HRS	GRADE
	GEO 498	Senior Capstone I	•	2		GEO 499	Senior Capstone II	•	2	
		GIS Analysis and Applications	•	3			GIScience Elective	•	3	
U 곳		GIScience Elective	•	3			Free Elective		3	
Š		Free Elective		3			Free Elective		3	
ᆏ		Free Elective		3						
ΕĀ										
$\Xi$										
	TOTAL HO	DURS		14		TOTAL HO	OURS		11	
	Summer Term (op	otional):								

#### **INVOLVEMENT OPPORTUNITIES**

- American Anthropological Association
- · Lambda Alpha National Anthropology **Honor Society**
- · Appalachian Studies Association
- · Student Government Association
- · Campus Activity Board
- JMELI
- · Commuter Student Advisory Board
- · Club Sports
- Political Organizations
- · Residence Hall Association
- Cultural Organizations
- · Greek Life

#### **RELATED MAJORS**

- Environmental Science
- Geology
- Political Science Engineering
- Fconomics
- History
- International Affairs
- Sociology

#### **GRADUATION REQUIREMENTS**

- 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 201 H;
- 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 twoyear institution of higher education.

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

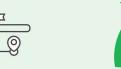
This academic map is to be used as a guide in planning your coursework toward a degree. Due to the complexities of degree programs, it is unfortunate but inevitable that an error may occur in the creation of this document. The official source of degree requirements at Marshall University is DegreeWorks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

### GEOGRAPHY - B.S.: GISCIENCE -2022-2023

#### YEAR ONE



Have guestions? Need to talk? You already have a Friend-At-Marshall ready to help you succeed. Find your FAM Peer Mentor here: www.marshall.edu/fam



Begin your foreign language sequence to meet your COLA requirements.



Take a pulse check. Know what you need to do every year to keep your grants, scholarships, or federal financial aid.



Attend an intercultural festival or event on campus or in town.





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!



Stav on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.

Excited about geography? Talk to a career education specialist about an exciting job shadow opportunity.

**YEAR TWO** 

#### YEAR THREE



Explore peer leadership opportunities through the FAM Program, or apply to be a UNI Peer Mentor.

No need to wait until graduate

school. Discuss undergraduate

research opportunities with faculty

in your major right now.

Apply for the Sam E. Clagg

Scholarship, awarded to an

outstanding undergraduate

geography major.



Join the Geography Club or the Gamma Theta Upsilon Honor Society, or start a student organization of your own.



Enhance opportunities for practical experience. Secure an internship related to your field of study.



Want to continue your education and increase your opportunities for career advancement? Talk to our Graduate Director about whether graduate school fits your career goals.



0 Are you on track to graduate? Meet with your advisor for your Junior

Eval to make sure you know what

requirements you have left.





Are you completing enough credits to graduate on time? Dropping or failing a class can put you behind. Use summer terms to quickly get back on track.

Develop relationships with professors

who can serve as future references by

attending their office hours.

College is a great time to experience

the world! Consider studying abroad

in the summer, during Spring Break,

or for an entire semester.



Meet with a career education specialist to conduct a "gap analysis." Figure out the skills vou'll need for the career vou want while you still have time to build them.



Take a Community Based Learning (CBL) class that connects course content to the community. Stay engaged and make a difference.



Have you considered adding a minor? Think about personal areas of interest you'd like to explore or how you might enhance your major with a related skill



Join the Geography Club or the Gamma Theta Upsilon Honor Society.



Did you do really well in a hard course? Become a Tutor or a Supplemental Instructor.



Prepare to present at the COLA Undergraduate Research and Creativity Conference in April



Consider applying for a year-



exams (GRE, MCAT, LSAT) the summer before your senior year.

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



Join professional associations in your field such as the Association of American Geographers or the North American Cartographic Information Society.



TRANSFERABLE SKILLS

Technological Literacy

· Cultural Awareness

· Analytical Skills

Project Planning

• Information Management

· Conducting Field Studies

ASSOCIATED CAREERS

· Economic Development

International Business

• Environmental Conservation

• Regional and Urban Planning

• Department of Highways

· Geospatial Engineer

GIS Specialist

Cartography

Utilities

Assessor

· Field Technician

ASSOCIATED WITH THIS MAJOR

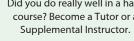
· Gathering, Organizing, and Interpreting

• Interviewing Different Populations

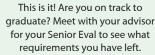
Marshall University College of Liberal Arts 1 John Marshall Drive Huntington, WV 25755 1-304-696-2350 cola@marshall.edu marshall.edu/cola

### YEAR FOUR













Complete graduate admissions