

















METEOROLOGY, EMPHASIS






 - 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
STA 225 	Introductory Statistics (CT)	3
GEO 100 	Intro to Human Geography (CT)	3
<i>Core 2</i>		
ENG 101 	Beginning Composition	3
ENG 201  	Advanced Composition	3
CMM 103 	Fund Speech-Communication	3
STA 225  	Introductory Statistics (CT)	3
Core II Natural/Physical Science		4
Core II Humanities		3
GEO 100 	Intro to Human Geography (CT) (Core II Social Science)	3
Core II Fine Arts		3
<i>Additional University Requirements</i>		
Writing Intensive		3
Writing Intensive (300/400)		3
GEO 100 	Intro to Human Geography (CT) (Multicultural or International)	3
Capstone		4
College-Specific		
COLA Literature		3
COLA Literature		3
COLA Humanities		3
COLA Social Science		3
COLA Social Science		3
COLA Social Science		3
GEO 101 	Physical Geography (CT) (COLA Natural/Physical Science)	4
COLA International		3
COLA Multicultural		3
Major-Specific		
GEO 100 	Intro to Human Geography (CT)	3
GEO 101  	Physical Geography (CT)	4
GEO 300	Methods in Geography	3
GEO 423	Cartography & GIS	3

GEO 426 	Principles of GIS	4
GEO 498 	Senior Capstone	2
GEO 499 	Senior Capstone II (WI)	2
Regional Geography		3
GEO 230 	Intro to Meteorology (CT)	4
GEO 350	Severe Storms and Natl Hzrds	4
GEO 425	Climatology	4
GEO 460	Weather Analysis	4
<i>Meteorology Restricted Elective</i>		
Select one of the following:		3
PHY 308	Thermal Physics ¹	
ENGR 219	Engineering Thermodynamics ²	
PHY 330	Mechanics ¹	
ENGR 214	Dynamics ³	
Free Elective		3
Free Elective		3
Free Elective		3
Free Elective		3
Free Elective		3
Free Elective		3
Free Elective		1
<i>Meteorology Area of Emphasis Courses</i>		
Students specializing in the Meteorology area of emphasis must complete the Geography Core Requirements (24 credit hours) and the following Meteorology courses (20 credit hours) for a total of 44 credit hours minimum.		
GEO 230 	Intro to Meteorology (CT)	4
GEO 350	Severe Storms and Natl Hzrds	4
GEO 355	Aviation Weather (optional)	3
GEO 425	Climatology	4
GEO 431	Remote Sensing & Photogram (optional)	4
or BSC 410	Remote Sensing/GIS Appl	
GEO 460	Weather Analysis	4


- ¹ Requires that the student must have taken the following: PHY 211 University Physics I and PHY 202 General Physics I Laboratory; PHY 213 University Physics II and PHY 204 General Physics 2 Laboratory; MTH 229 Calculus/Analytic Geom I (CT); MTH 230 Calculus/Analytic Geom II; MTH 231 Calculus/Analytic Geom III.
- ² Requires that the student must have taken MTH 230 Calculus/Analytic Geom II.
- ³ Requires that the student must have taken ENGR 213 Statics and MTH 230 Calculus/Analytic Geom II.

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 Advanced Composition and all foreign language courses.
- Minimum of 120 hours to graduate.




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Four Year Plan

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.

Course	Title	Credit Hours
First Year		
First Semester		
CMM 103 	Fund Speech-Communication	3
ENG 101 	Beginning Composition	3
FYS 100	First Yr Sem Critical Thinking	3
GEO 100 	Intro to Human Geography (CT)	3
STA 225  	Introductory Statistics (CT)	3
UNI 100	Freshman First Class	1
Credit Hours		16
Second Semester		
ENG 201  	Advanced Composition	3
GEO 101  	Physical Geography (CT) (Core II Phys/Nat Science)	4
COLA Social Science		3
Core II Humanities		3
Core II Fine Arts		3
Credit Hours		16
Second Year		
First Semester		
COLA Humanities		3
Regional Geography		3
GEO 230 	Intro to Meteorology (CT)	4
COLA Literature		3
COLA Social Science		3
Credit Hours		16
Second Semester		
GEO 300	Methods in Geography	3
GEO 350	Severe Storms and Natl Hzrds	4
Meteorology Restricted Elective		3

COLA Physical/Natural Science		4
Credit Hours		14
Third Year		
First Semester		
COLA Social Science		3
GEO 423	Cartography & GIS	3
Weather Analysis course		4
COLA Multicultural		3
Free Elective		3
Credit Hours		16
Second Semester		
GEO 431	Remote Sensing & Photogram	4
300/400 Writing Intensive		3
GEO 426 	Principles of GIS	4
COLA International		3
Credit Hours		14
Fourth Year		
First Semester		
GEO 498 	Senior Capstone	2
GEO 425	Climatology	4
Free Elective		3
Free Elective		3
Free Elective		3
Credit Hours		15
Second Semester		
GEO 499 	Senior Capstone II (WI)	2
COLA Literature		3
Free Elective		3
Free Elective		3
Free Elective		3
Credit Hours		14
Total Credit Hours		121