



BACHELOR of SCIENCE in METEOROLOGY (#578)

Department of Geography and Geology
 Ogden College of Science and Engineering
 Western Kentucky University

The suggested program of study shown below should be used in consultation with your advisor(s). Every student will finish with a unique plan of his/her own depending on the electives selected.

Success Markers

SAMPLE - 4 year plan

FIRST YEAR	Fall Semester		Spring Semester	
	<p><i>Visit The Learning Center for free tutoring</i></p> <p><i>Students whose initial math class is lower than MATH 136 may need additional semesters</i></p>	GEOG 110 – World Regional Geography	3	GEOG 100 – Introduction to the Physical Environment OR GEO 102 – Introduction to Geology OR GEO 111 – The Earth
GEOG 121 - Meteorology		3	PHYS 255/256 – University Physics I (with a Lab)	5
MATH 136 – Calculus		3	MATH 137 – Calculus II	4
ENG 100 – College Writing		3	General Education Course A-III	3
GEOG 175 – University Experience		2		
TOTAL CREDIT HOURS		15	TOTAL CREDIT HOURS	15

SECOND YEAR	Fall Semester		Spring Semester	
	<p><i>Volunteer or Join a Student Organization like Storm Toppers</i></p>	MATH 237 – Multivariable Calculus	3	General Education Course B
PHYS 265/266 – University Physics II		3	GEOG 391 – Data Analysis and Interpretation	3
ENG 200 – Introduction to Literature		3	GEOG 424 – Weather Analysis and Forecasting	3
GEOG 316 – Fundamentals of Geographic Information Systems		4	MATH 331 – Differential Equations	3
			CS 170 – Problem Solving and Programming	3
TOTAL CREDIT HOURS		16	TOTAL CREDIT HOURS	15

WINTER TERM	Winter Term	
TOTAL CREDIT HOURS		

Why not [Study Abroad?](#)

THIRD YEAR <i>Visit Career Services</i> <i>Talk to your advisor about the summer research opportunities.</i> + <i>Internships and/or Study Abroad opportunities are also available.</i>	Fall Semester		Spring Semester	
	GEOG 300 – Geographic Research and Analysis	3	ENG 300 – Writing in the Discipline	3
	GEOG 422* - Physical Climatology	4	GEOG 433* - Dynamic Meteorology II	3
	GEOG 431* - Dynamic Meteorology	3	HIST 119 – Western Civ To 1648 OR HIST 120 – Western Civ Since 1648	3
	General Education Course A-II	3	CS 180 – Computer Science I	4
	CS 245* - Introduction to a Computer Programming Language	1.5	GEOG 438* - Physical Meteorology	3
	Physical Education	2		
	TOTAL CREDIT HOURS	16.5	TOTAL CREDIT HOURS	16
Summer Term				
GEOG 475 – Field Methods in Weather Analysis and Forecasting	1-3			
FOURTH YEAR <i>Apply for Graduation</i> <i>Celebrate</i>	Fall Semester		Spring Semester	
	GEOG 317 – Geographic Information Systems	4	GEOG 437* - Mesoscale Geography	3
	GEOG 325 – Meteorological Instrumentation and Measurement	3	General Education Course B	3
	GEOG 432 – Synoptic Meteorology	3	GEOG 499 – Professional Preparation (Spring Only)	1
	General Education Course C	3	General Education Course C	3
	General Elective	3	General Elective	.5
	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	10.5
Total Credit Hours: 121-123				

*Courses with an * are offered on a two year rotation.

-A minimum of 120 Hours total are required in the program, with at least 42 hours at the 300/400 level. Summer courses, including Study Abroad, Field Camps, and other independent research opportunities, can reduce the number of hours required in the regular semesters. Required and elective courses can be moved from semester to semester to take advantage of courses when offered.

PLEASE NOTE: Prerequisites, Course Numbers, and Course Titles are subject to change.

Consult your advisor each semester.

For more Information:

Department: Geography and Geology

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Course Descriptions: <http://www.wku.edu/undergraduatecatalog/>