



**BACHELOR of Science**  
**Major in Meteorology (#578)**  
 Department of Geography and Geology  
 Ogden College of Science and Engineering  
 Western Kentucky University

The following four-year plan is an example of how to map your program in consultation with your faculty advisor. 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	
	METR 121 Meteorology with Lab (E-NS, SL)	3	METR 122 Aviation Meteorology	3
	ENGL 100 Introduction to College Writing (F-W1)	3	MATH 137 Calculus II	4
	MATH 136 Calculus I (F-QR)	4	COMM 145 Fund of Public Speaking and Communication (F-OC)	3
	GEOG 110 World Regional Geography (E-SB)	3	HIST 101 World History I OR HIST 102 World History II (F-SB)	3
	GEOG 175 Freshman Experience	2	ENG 200 Intro to Literature (F-AH)	
	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>

SECOND YEAR	Fall Semester		Spring Semester	
	MATH 237	4	MATH 331	3
	CS 170 Problems/Programming	3	METR 324 Weather Analysis	3
	GEOG 316 Foundations of GIS	4	World Language, if needed, OR General Elective	3
	Arts & Humanities (E-AH)	3	Connections: Social & Cultural (K-SC)	3
			University Elective	3
	<b>TOTAL CREDIT HOURS</b>	<b>14</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

- World Language Proficiency:** All students entering in fall 2014 or later must demonstrate proficiency in a world language at the Novice High level before completing 60 credit hours. Novice high is the ability to communicate in writing and speaking on familiar topics in simple sentences. To meet this requirement, students may take college language courses or take a proficiency test. For more information go to: [World Language Proficiency](#).
- Colonnade Program:** All students entering in fall 2014 or later must complete 39 hours in 13 specific Colonnade areas. Colonnade areas are listed in parentheses marked in blue after the corresponding classes. Some areas may have specific course requirements while others can be chosen from selected lists of options. For more details and to see lists of options, go to [Colonnade Requirements](#).

<b>THIRD YEAR</b>	<b>Fall Semester</b>		<b>Spring Semester</b>	
	METR 431 Dynamic Meteorology	3	METR 433 Dynamic Met II	3
	GEOG 300 (Writing in the Geosciences) (F-W2)	3	Meteorology Elective	3
	Meteorology Elective	3	Connections: Local to Global (K-LG)	3
	PHYS 255/256 University Physics I & Lab) (E-NS)	5	Physics 265/265 University Physics II & Lab	5
	<b>TOTAL CREDIT HOURS</b>	<b>14</b>	<b>TOTAL CREDIT HOURS</b>	<b>14</b>

<b>FOURTH YEAR</b>	<b>Fall Semester</b>		<b>Spring Semester</b>	
	METR 432 Synoptic Meteorology	3	METR 437 Mesoscale Meteorology	3
	Meteorology Elective	3	University Elective	3
	GEOG 391 Spatial Statistics	4	GEOG 499 Professional Development	1
	Connections: Systems (K-SY)	3	University Elective	3
	Independent Research or Elective	3	Meteorology Elective	3
			Independent Research or Elective Course	3
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>

**Total Credit Hours:120**

- 120 Hours total are required in the program, with 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.
- The WKU Colonnade Program requires a minimum of 39 hours, with several required courses in the Meteorology program that can be double-counted.
- Colonnade Connections courses are restricted to Juniors/Seniors, unless 21 credit hours of Colonnade Explorations and Foundations courses have already been completed sooner.
- In addition, WKU requires language proficiency at the novice-high level, which typically is LANGUAGE 102 (First year, second semester course level), before completing 60 credit hours (that means in the first two years at WKU for most full-time students).

**FOR ADDITIONAL INFORMATION, PLEASE CONTACT:**

**Department: Geography and Geology**

**Website: [www.wku.edu/geoweb](http://www.wku.edu/geoweb)**

**Phone: (270)745-4555**

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