



**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.

**SAMPLE – Finish in Four Plan**

<b>FIRST YEAR (Freshman Year)</b>			
METR 121 Intro Meteorology	3	METR 122 Aviation Meteorology	3
ENG 100 Writing	3	MATH 137 Calculus II	4
MATH 136 Calculus (Colonnade QR)	4	HIST 101 or 102 (Colonnade History)	3
GEOG 110 (Exp S&B) World Regional	3	COMM 145 (Colonnade F-OC	3
GEOG 175 Freshman Experience	2	ENG 200 Literature (AH)	3
<b>SEMESTER CREDIT HOURS</b>	<b>15</b>	<b>SEMESTER CREDIT HOURS</b>	<b>16</b>

<b>SECOND YEAR (Sophomore Year)</b>			
MATH 237 Multi Calculus	4	MATH 331 Diff Equation	3
CS 170 Programming	3	METR 324 Weather Analysis	3
GISC 316 Intro GIS	4	Colonnade Language	3
Colonnade A&H	3	Colonnade S&B	3
		University Elective	3
<b>SEMESTER CREDIT HOURS</b>	<b>14</b>	<b>SEMESTER CREDIT HOURS</b>	<b>15</b>

<b>THIRD YEAR (Junior Year)</b>			
METR 431 Dynamic I	3	METR 433 Dynamic II	3
GEOG 300 Writing*	3	GISC 216*	3
METR Elective	3	METR Elective	3
METR Elective	3	PHYS 265/266	5
PHYS 255/256	5		
<b>SEMESTER CREDIT HOURS</b>	<b>17</b>	<b>SEMESTER CREDIT HOURS</b>	<b>14</b>

<b>FOURTH YEAR (Senior Year)</b>			
METR 432 Synoptic Meteorology	3	METR 437 Mesoscale Meteorology	3
GEOG 391 Statistics	4	Colonnade Connections	3
Colonnade Connections	3	METR Elective	3
METR Elective	3	Independent Research	3
GEOG 499 Prof Develop	1	Colonnade Connections	3
<b>SEMESTER CREDIT HOURS</b>	<b>14</b>	<b>SEMESTER CREDIT HOURS</b>	<b>15</b>
		<b>Total Credit Hours:</b>	<b>120</b>

- 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.
- Any of the 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 Geography program that can be double-counted. METR/GEOG courses marked \* count for Colonnade Credit.
- Colonnade Connections courses are restricted to Juniors/Seniors, unless 21 credit hours of Colonnade Explorations and Foundations courses have already been completed. Three disciplines are required for Connections credit (METR, GEOG, GEOL, and GISC count as separate disciplines).

REQUIRED IN THE MAJOR (48 hours): **CORE COURSES** = METR 121\*, 122, CS 170, GEOG 300\*, 391, METR 324, 431, 432, 433, 437, GEOG 499 (36 hours); **ELECTIVE COURSES** = any 12 hours of approved METR or equivalent coursework; **PLUS** PHYS, 255 256, 265, 266, MATH 136\*, 137\*, 237, 331.

For more details and courses offered in the Colonnade General Education program visit the [website](#).

**World Language Requirement:** Language Proficiency of novice-high before completing 60 credit hours is required (or completion of 2nd level of a language). Two credits (or equivalent) of a single world language in High School satisfies this WKU requirement.

**For more Information:**     **Department:** Geography and Geology  
   **Website:** <https://www.wku.edu/geoweb/>  
   **Phone:** (270) 745-5986  
   **Email:** [gregory.goodrich@wku.edu](mailto:gregory.goodrich@wku.edu)  
   Course Descriptions: <http://www.wku.edu/undergraduatecatalog/>