

*Welcome to the Geography and Geology Department at Western Kentucky University
Meteorology -- The Dynamic Discipline (#578)*

Semester-by-Semester Checklist for the Professional Meteorology Major - Effective Fall 2017

Course	Credits	Semester	Course	Credit	Semester
FRESHMAN YEAR			FRESHMAN YEAR		
METR 121 Intro Metr	3		METR 122 Aviation	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	2		ENG 200 Literature (AH)	3	
HOURS	15			16	
SOPHOMORE YEAR			SOPHOMORE YEAR		
MATH 237 Multi Calc	4		MATH 331 Diff Equation	3	
CS 170 Programming	3		METR 324 Analysis	3	
GISC 316 Intro GIS	4		Colonnade Language	3	
Colonnade Arts Human	3		Connections S&B	3	
			University Elective	3	
HOURS	14			15	
JUNIOR YEAR			JUNIOR YEAR		
METR 431 Dynamic	3		METR 433 Dynamic II	3	
GEOG 300 Writing*	3		GEOG 380 or GISC 216*	3	
METR Elective	3		METR Elective	3	
PHYS 255/256	5		PHYS 265/266	5	
Independent Research	1		Independent Research	1	
HOURS	15		HOURS	15	
SENIOR YEAR			SENIOR YEAR		
METR 432 Synoptic	3		METR 437 Mesoscale	3	
GEOG 391 Statistics	4		University Electives	6	
Elective Meteorology	3		Meteorology Elective	3	
METR 322 or GEOG 227	3		Independent Research	2	
GEOG 499 Prof Develop	1				
Independent Research	2				
HOURS	16		HOURS	14	

- 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.