Department of
Earth, Environmental, & Atmospheric Sciences

Degrees offered:
• Bachelor of Science in Meteorology (50 hrs)
• Certificate in Emergency Management Disaster Science (EMDS; 15 hrs)
• Certificate in Geographic Information Systems (GIS; 20 hrs)

WKU Meteorology Career Placement
• Operational Forecasting (NWS)
• Broadcast Meteorology
• Emergency Management
• Corporate/Enterprise Solutions
• Graduate School/Climate Research

Median Meteorologists’s salary = $99,740
From U.S. Bureau of Labor Statistics
Bachelor of Science in Meteorology

Core Requirements (41 hours)
- METR 121 Meteorology
- METR 122 Aviation Meteorology
- CS 170 Problem Solving & Programming
- GEOG 300 Geoscience Research and Writing
- GISC 316 GIS Fundamentals
- METR 324 Weather Analysis and Forecasting
- GEOG 391 Spatial Data Analysis
- METR 431 Dynamic Meteorology I
- METR 432 Synoptic Meteorology
- METR 433 Dynamic Meteorology II
- METR 437 Mesoscale Meteorology
- METR 438 Physical Meteorology

Elective Courses (9 hours)
- METR 322 Global Climate Systems
- METR 325 Meteorological Instruments
- METR 335 Satellite/Radar Meteorology
- METR 424 Severe Weather Analysis
- METR 425 Field Methods/Severe Weather
- METR 430 Meteorological Computing
- METR 439 Atmospheric Modeling
- METR 460 Climate Teleconnections
- METR 475 Selected Topics in Meteorology
- GEOG 475 Physical Hydrology

Meteorology Technique Course (Choose one)
- METR 325 Meteorological Instrumentation
- METR 335 Satellite/Radar Meteorology

The B.S. in Meteorology degree at WKU meets all the requirements (GS-1340) for employment by the National Weather Service and American Meteorological Society.

Additional Requirements (25 hours)
- MATH 136 Calculus I
- MATH 137 Calculus II
- MATH 237 Multivariable Calculus
- MATH 331 Differential Equations
- PHYS 255/256 University Physics I
- PHYS 265/266 University Physics II

Contact information:
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