

WKU Meteorology



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' salary = \$99,740

From U.S. Bureau of Labor Statistics



WKU | EEAS

Earth, Environmental, &
Atmospheric Sciences

A student-centered experiential university weather & all-hazards decision-support service, driven by applied learning & professional training.



WHITE SQUIRREL WEATHER
DSOC
DISASTER SCIENCE OPERATIONS CENTER

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

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.

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

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:

Dr. Greg Goodrich – Meteorology Program Leader
gregory.goodrich@wku.edu 270-745-5986
<https://www.wku.edu/meteorology/>

