Atmospheric Science at UWM

We’re a tight-knit program, led by six faculty members, who conduct exciting research across the atmospheric and climate sciences. Our specialties include atmospheric and climate dynamics, weather analysis and forecasting, cloud physics, data analytics, mesoscale meteorology, and air pollution meteorology.

We’re also home to the unique Innovative Weather internship program, offering students hands-on training in forecasting, risk assessment, and decision support. Together, our programs have a stellar track record at helping students find their dream job, whether in research, operations, academia, or the private sector.

For More Information
Professor Clark Evans
Atmospheric Science Program Coordinator
PO Box 413, Milwaukee, WI 53201
(414) 229-4469 | evans36@uwm.edu

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ATMOSPHERIC SCIENCE
MS & PhD Programs
Atmospheric Science at the University of Wisconsin-Milwaukee

Faculty
Interested in working with any of our faculty? We recommend that you contact them early in the application process to learn more about their research and any open student opportunities. Open student research opportunities may also be found on our website under the “Research” tab.

Clark Evans
evans36@uwm.edu
Mesoscale Meteorology

Jonathan Kahl
kahl@uwm.edu
Air Pollution and Micrometeorology

Sergey Kravtsov
kravtsov@uwm.edu
Atmospheric and Climate Dynamics

Vince Larson
vlarson@uwm.edu
Cloud Physics and Modeling

Paul Roebber
roebber@uwm.edu
Synoptic Meteorology and Data Analytics

Kyle Swanson
kswanson@uwm.edu
Atmospheric and Climate Dynamics

Master of Science (M.S.)
Students enrolled in the MS program must complete at least 30 credits, including:

- Twelve credits at the Atm Sci 700-level or above.
- Six credits in Atm Sci 500/950, Statistical Methods.
- Six credits in approved graduate electives.
- Six credits in Atm Sci 990, Master’s Thesis.

Under the supervision of a major professor, students must also successfully complete a thesis that advances understanding in the field. Most students complete the M.S. program in two years.

Doctor of Philosophy (Ph.D.)
Students enrolled in the Ph.D. program must complete at least 54 credits beyond the Bachelor’s degree, of which 27 must be earned at UWM. While no formal coursework is required beyond that for the M.S. degree, most students elect to take graduate courses in atmospheric science and related fields to benefit their research or professional development. Students must also successfully complete a preliminary exam, proposal hearing, and dissertation. Most students with an earned M.S. degree complete the Ph.D. program in three to four years.

The Places You’ll Go
Our alumni may be found in leadership positions across the field. About a third of our graduates work for the National Weather Service as forecasters or research scientists. Another third are in private sector fields ranging from scientific research to data analytics to actuarial science. The remaining third are in the academic enterprise as faculty, researchers, or instructors.

Ready to Apply?
It’s easy! Simply visit: http://graduateschool-apply.uwm.edu/

Apply to the Mathematics option and designate Atmospheric Science as the field of study on your application. We begin reviewing applications in February and extend a first set of admission offers by early March.