Atmospheric Science at UWM

We’re a tight-knit program, led by five 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

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ATMOSPHERIC SCIENCE
MS & PhD Programs
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/

Select Atmospheric Science, then apply to either the M.S. or Ph.D. program. We begin reviewing applications in February and extend a first set of admission offers by early March.