

The Department



The Department of Geography and Earth Sciences at UNC Charlotte focuses its teaching and research programs in the study of Human Systems, Earth Systems Science and Geographic Information Science and Technologies. While each of these thematic areas represents distinct faculty expertise, there are considerable opportunities for multidisciplinary learning and research. The Department houses programs leading to degrees in the following areas: Geography, Earth Sciences, Geology and Meteorology.

The University



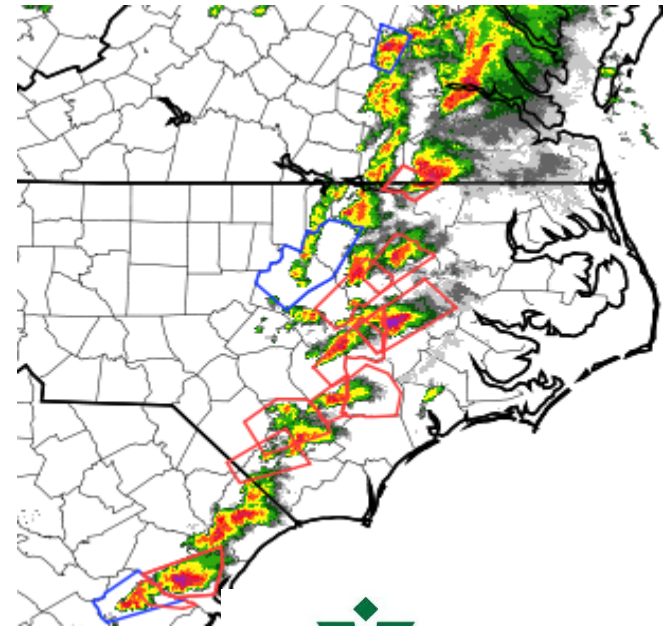
A research intensive university, UNC Charlotte is the fourth largest of the 16 institutions within the University of North Carolina system and the largest institution in the Charlotte region. The university comprises seven professional colleges and currently offers 17 doctoral programs, 60 master's degree programs and 85 programs leading to bachelor's degrees. More than 900 full-time faculty comprise the university's academic departments and the 2008 fall enrollment exceeded 22,388 students. UNC Charlotte boasts more than 85,000 living alumni and adds 4,000 to 5,000 new alumni each year.

The UNCC Meteorology Scrapbook Photos



The University of North Carolina at Charlotte is committed to equality of educational opportunity and does not discriminate against applicants, students or employees based on race, color, national origin, religion, sex, age, handicap, or sexual orientation. Moreover, the University of North Carolina at Charlotte is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a larger number of African Americans students.

Explore Meteorology at UNC Charlotte



<http://geearth.uncc.edu/Undergraduate/meteorology.html>

2nd Floor McEnry Building

The Program

Meteorology is a discipline in the sciences devoted to increasing our understanding of the atmosphere and the development of methods for applying that knowledge to practical problems. Although this field is often associated with weather prediction and broadcasting, it also has significant ties to environmental, agricultural, oceanic, and hydrological sciences. For students wishing to pursue any of these areas, a degree in meteorology from UNC Charlotte is the path for you!

A degree in meteorology from UNCC combines fundamental courses in mathematics, chemistry, physics, computer science and earth science, with a core of meteorology courses in applied and theoretical topics and a choice of elective courses offering specialized training. Students graduate with the skills and experience they need for professional employment within industry, private consulting firms, television, government, the armed forces, or for further study toward graduate degrees.



The Students



Extracurricular experiences are important components of the meteorology program at UNC Charlotte. Our students hold internships at local TV stations and local NWS offices, and are also involved in atmospheric research and field work in air quality, computer weather modeling, and tropical storm forecasting. In addition, students at UNC Charlotte participate in the WxCHALLENGE national collegiate forecasting contest, biweekly forecasts for the Niner newspaper, forecasting for UNCC sports teams, and opportunities to go on field trips and to attend national conferences.

Also available to students is participation in the **STudent ORganization of Meteorology (STORM)**, an official student chapter of the American Meteorological Society (AMS), which is aimed to help students network with meteorology professionals in the surrounding area and around the country.



The Faculty



Manda Adams, Ph.D.
Assistant Professor

- Boundary Layer Processes
- Mesoscale Meteorology
- Atmospheric Dynamics
- Numerical Modeling
- Wind energy
- Mountain Meteorology



Matthew Eastin, Ph.D.
Assistant Professor

- Tropical Meteorology
- Mesoscale Meteorology
- Hurricanes
- Severe Weather



Brian Magi, Ph.D.
Assistant Professor

- Atmospheric Aerosols
- Climate Science and Modeling
- Air Quality



Terry Shirley, M.S.
Lecturer

- Introductory Earth Science
- Weather and Climate
- Synoptic Meteorology
- Applied Forecasting



John Wendell, WCNC TV
Part-time Faculty

- Introductory Earth Science
- Weather Communications