



# Meteorology

## B.S. in METEOROLOGY

A degree in meteorology from UNC Charlotte combines fundamental courses in mathematics, chemistry, physics 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, and the armed forces or for further study toward graduate degrees.

## WHY CHOOSE UNC CHARLOTTE METEOROLOGY?

- Over 100 internships and independent studies in the last 5 years
  - Relationships with multiple NWS locations
- Charlotte is the largest TV market in the Carolinas
  - Our own in-house broadcast studio
    - Undergraduate TA opportunities
      - STORM- student chapter of the American Meteorological Society
- We prepare students for graduate school through:
  - Faculty grants
  - Charlotte Research Scholar summer program
  - NC Space Grants

## BROADCASTING and INTERNSHIPS

With our own in house green screen and new HD equipment, our weather communications students are ready for television when they graduate. Many students have summer internships with one of our large market television networks or energy companies in Charlotte.

## What Courses Are Needed To Earn A Degree?

### Math:

- Calculus I, II and III
- Differential Equations
- Statistics

### Sciences:

- Physics I and II
- Chemistry I
- Computer Science

### Major Departmental Requirements:

- Intro to Meteorology
- Fundamentals of Meteorology
- Physical Meteorology
- Thermodynamics
- Dynamic Meteorology
- Synoptic Meteorology
- Advanced Dynamic
- Advanced Synoptic
- Global Environmental Change
- Atmospheric Instrumentation
- Climate Dynamics

### 8 Elective Credits:

- Boundary Layer
- Weather Forecasting
- Weather Comm
- Tropical Meteorology
- Mesoscale
- Remote Sensing
- Atmospheric Chemistry
- Hydroclimatology

Need advising? Want more information about the program? Contact:

Terry Shirley

Meteorology Undergraduate Coordinator

[trshirle@uncc.edu](mailto:trshirle@uncc.edu)

(704) 687-5925

[geoearth.uncc.edu](http://geoearth.uncc.edu)



UNC CHARLOTTE

Department of Geography & Earth Sciences