Why study meteorology at Western?

We have a bachelor of science program that meets guidelines of the American Meteorological Society and employment requirements of the National Weather Service.

Our students earn credits while performing TV/radio weathercasts or doing real-time forecasting for clients in our Weather Center.

You’ll have access to undergraduate research and internship opportunities.

Our Southern New England weather is a meteorologist’s dream for variety … four seasons of challenges!

Western is all about quality education at an affordable cost!

For More Information

Meteorology Program
Department of Physics, Astronomy, and Meteorology

Robert N. Eisenson
Associate Professor (203) 837-8989
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Gary Lessor
Assistant to the Director (203) 837-8552
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wcsu.edu/physics/meteorology.asp

Science Building
181 White Street, Danbury, CT 06810
Hooked on the Weather Channel?

Do you love to watch the swirling atmospheric maps on TV spell out where the storm is going and why, and just how much snow is going to fall and exactly when . . .

If so, you have the potential to be one of the special breed of inquisitive souls we call meteorologists. And Western Connecticut State University (whose low tuition makes it one of the best education values anywhere) has a degree program made especially for you!

Our Bachelor of Science in Meteorology is the only program of its kind in the state of Connecticut, and one of the only few in the Northeast. Western has developed a foundation of courses in mathematics, computer science, physics, astronomy and earth science, combined with meteorology, to prepare you for television and radio weathercasting and operational forecasting, or for teaching or pursuing research in the atmospheric sciences.

Hone your research skills in our Meteorological Studies and Weather Center. Earn credits while learning how a fully operational weather center gathers and disseminates data. You’ll gain valuable experience by participating in Western’s daily student TV weathercasting program!

Weather is everywhere, but it’s especially challenging here in New England. Western’s Meteorology Club is an official chapter of the American Meteorological Society, and our students help organize and host the popular Tri-State Weather Conference, held bi-annually in the Science Building on the midtown campus. Be part of the team as Western shows off its extraordinary expertise in this important wide-open field!

Want a future in weather?

Here are some of the career paths our B.S. Meteorology degree will prepare you for:

- Weather analysis and forecasting
- Radio/television weathercasting
- The National Weather Service
- Atmospheric sciences research
- M.S./Ph.D. studies in meteorology

Come talk to us and meet our team of dedicated faculty and students whose commitment to challenging the mysteries of the atmosphere and environment is absolute!

Courses

**Core Courses**
- CS 140 or CS143 Computer Science
- MAT 120 Elementary Statistics
- MAT 182 Calculus II
- MAT 281 Calculus III
- MAT 282 Ordinary Differential Equations
- PHY 110 & PHY 111 General Physics I & II (Calculus based)
- ES 210 Introduction to Physical Oceanography

Choose one of the following Earth & Planetary Science courses:
- AST 150 General Astronomy
- ES 110 Physical Geology
- MTR 150 Meteorology
- MTR 230 Weather Analysis and Forecasting I
- MTR 231 Weather Analysis and Forecasting II
- MTR 240 Climatology
- MTR 310 Atmospheric Thermodynamics
- MTR 311 Atmospheric Dynamics
- MTR 340 Mesoscale Meteorology & Numerical Forecasting
- MTR 430 Meteorological Instrumentation
- MTR 440 Atmospheric Physics and Remote Sensing
- MTR 450 or MTR 370 Senior Research or Internship in Meteorology

**Optional Track: Broadcast Meteorology**
- MTR 330 Operational Forecasting and Weathercasting I
- MTR 331 Operational Forecasting and Weathercasting II
- Choose one of the following:
  - THR 260 Voice and Diction
  - COM 268 Public Communication
  - COM 310 Business and Professional Speaking

Faculty

- **Alice L. Chance**, Professor. Ph.D. UCLA. General physics, high energy physics, neural networks
- **Dennis W. Dawson**, Professor. Ph.D. New Mexico State University. Stellar atmospheres, astrophysics
- **Robert N. Eisensohn**, Associate professor. M.S., University of Utah. AMS Certified Broadcast Meteorologist (CBM); weather analysis and forecasting, operational meteorology and broadcast meteorology.
- **Albert Owino**, Associate professor. Ph.D. University of Pune, India. Atmospheric dynamics, mesoscale meteorology, tropical meteorology; director, Meteorological Studies and Weather Center.
- **Gary Lessor**, Assistant to the director of Meteorological Studies and Weather Center. B.A., Central Connecticut State University.