



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 a 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 such program in the State of Connecticut, and one of only a few in the Northeast. WestConn has developed foundation of courses in mathematics, computer science, physics, astronomy and earth science, combined with meteorology, to prepare you for television and radio weathercasting, operational forecasting, or for teaching or 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 even gain valuable experience by participating in WestConn's daily student TV weathercasting show!

Weather is everywhere, but it's especially challenging here in New England. WestConn's Meteorology Club is an official chapter of the American Meteorological Society, and our students compete annually in the National Collegiate Weather Forecasting Competition. Be part of the team as WestConn shows off its extraordinary expertise in this important, wide-open field!

Want a Future in Weather?

WestConn is the only college or university in Connecticut offering undergraduate and graduate degrees in meteorological studies.

Careers we 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 atmosphere and environment is absolute!



Courses

Core Courses

CS 170 Computer Science I: Language
MAT 182 Calculus II
MAT 281 Calculus III
PHY 110, 111 General Physics I & II (Calculus based)
Two of the following Earth & Planetary Science (EPS) courses:
AST 150 General Astronomy
ES 103 Planet Earth
ES 110 Physical Geology
ES 210 Introduction to Physical Oceanography
MTR 150 Meteorology
MTR 175 Introduction to Analytical Meteorology
MTR 310 Atmospheric Thermodynamics
MTR 311 Atmospheric Dynamics
MTR 230 Weather Analysis and Forecasting I
MTR 450/370 Sr. Research *or* Internship in Meteorology
MTR Elective (200 level or higher)

Track Options in Meteorology

I. *Theoretical Meteorology*

MAT 282 Ordinary Differential Equations
MTR 315 Atmospheric Physics
MTR/PHY 360 Physics of Fluids
MTR 420/421 Geophys. Hydro. I or Geophys. Hydro. II

II. *Operational Meteorology and Weathercasting*

MTR 240 Climatology
MTR 231 Weather Analysis and Forecasting II
MTR 330/331 Operational Forecasting and Weathercasting I/II



Why study Meteorology at WestConn?

- We have Bachelor of Science programs designed for two separate career tracks.
- 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 challenge!
- WestConn is all about quality education at an affordable cost!

Faculty

James P. Boyle, Ph.D.

- University of Wisconsin-Madison
- Associate Professor; Air-sea interface interactions, meteorological instrumentation, and general physics

Alice L. Chance, Ph.D.

- UCLA
- Professor; general physics, high energy physics, neural networks

Dennis W. Dawson, Ph.D.

- New Mexico State University
- Professor; stellar atmospheres, astrophysics

Robert N. Eisenson, M.S.

- University of Utah
- Assistant Professor; AMS Certified Broadcast Meteorologist (CBM); Weather analysis and forecasting, operational meteorology and broadcast meteorology

Albert Owino, Ph.D.

- University of Pune, India
- Assistant Professor; Atmospheric dynamics, mesoscale meteorology; Director, Meteorological Studies and Weather Center

Gary Lessor, B.A.

- Central Connecticut State University
- Assistant to the Director of Meteorological Studies and Weather Center



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METEOROLOGY

BACHELOR OF SCIENCE

THEORETICAL METEOROLOGY

OPERATIONAL METEOROLOGY
AND WEATHERCASTING