

**Department of Physics, Astronomy & Meteorology
Faculty & Staff**

Albert Owino, Ph.D. – Director, Meteorological Studies & Weather Center. Climate study, forecasting.

James P. Boyle, Ph.D. – Oceanography, physics, electronics, meteorology.

Alice L. Chance, Ph.D. – Physics, neural networks.

Dennis W. Dawson, Ph.D. – Director, WCSU Observatories. Astronomy, planetary physics, astrophysics.

Robert N. Eisenson, M.S. – Meteorology, forecasting and weathercasting.

Michael Coleman, M.A. – Adjunct. Geology.

Arthur Amend, M.A. – Adjunct. Physics.

Paul Garbarino, M.A. – Adjunct. Physics.

Gary Lessor – Assistant to the Director, Meteorological Studies & Weather Center.

Affiliated Organizations

- Lowell Astronomical Observatory
- National Weather Service
- Woods Hole Oceanographic Institution
- Scripps Institution of Oceanography
- Lamont-Doherty Earth Observatory
- Climate Studies Group Mona, University of the West Indies



The University

Western Connecticut State University, founded in 1903, is in Danbury, Conn., in Fairfield County. Nestled in the foothills of the Berkshire Mountains, the city is 65 miles north of Manhattan and 50 miles west of Hartford. Western's rural 364-acre Westside campus complements the 34-acre, 15-building Midtown campus in the heart of downtown Danbury.

For more information, contact:

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E-mail: dawsond@wcsu.edu
wcsu.edu/physics



181 White St., Danbury, CT 06810

Bachelor of Arts Earth & Planetary Sciences



wcsu.edu/physics



Offering small class sizes in the outcomes-driven learning environment of our state-of-the-art Science Building, the Physics, Astronomy & Meteorology Department supports student participation in both faculty and student research. Active research programs are offered in oceanography, climate, and planetary and stellar astronomy. In addition, our students can join meteorology and astronomy clubs, attend seminars, and learn from knowledgeable visiting speakers.

A degree you can use!

A degree in Earth and Planetary Sciences from Western can lead to research or education careers in such areas as remote sensing, oceanography, astronomy, Earth resources and pollution, Earth systems science, solar and stellar physics, solar-terrestrial connections, climate change, planetary geology, planetary and space weather, and solar system dynamics.

Degree Programs

Bachelor of Arts

Earth and Planetary Sciences

Bachelor of Science

Secondary Education: Earth Science
Meteorology

Minor Programs

Astronomy
Earth Science
Meteorology
Physics

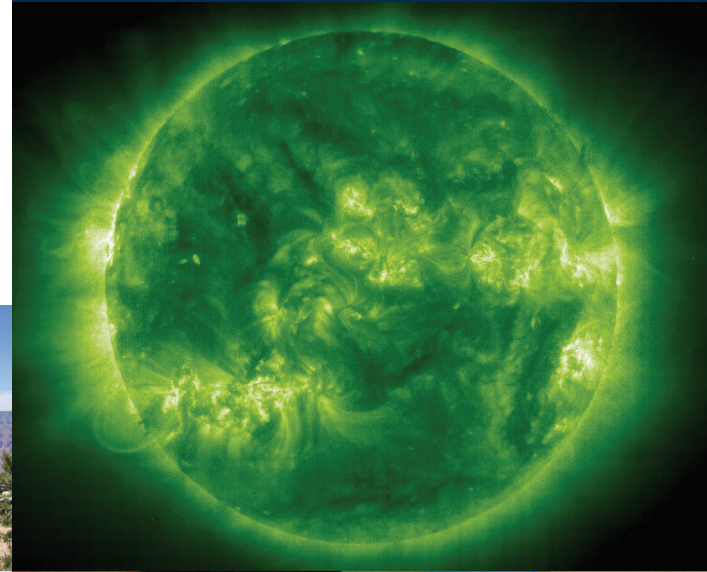
Master of Arts

Earth and Planetary Sciences



Financial Aid

Assistance is available for students through scholarships, work-study programs, university assistantships, research internships, faculty research grants and Space Grant funds.



Recent Student Research Projects

- Science for Visually Impaired Students
- Short Term Effects of Solar Activity on Incoming Short Wave Radiation
- Evaluation of Greenhouse Gas Emission and Reduction in a Closed Landfill Site with Gas-to-Energy Recovery System
- Regional Correlations Between Convective Available Potential Energy and Tornadoic Thunderstorms
- A Comparison of Mars' Polar Regions and Atmosphere Between 2003 and 2005
- Observations and Modeling of the Eclipsing Binary RW Comae Berenices
- The Overcontact Binary GSC 279_321: Observations and Modeling
- Microvariability of Blazar OQ 530
- Photometric Study of Light Pollution in Connecticut
- Observations of Stellar Transits by Exoplanets WASP-33b and HAT-P-32b
- Estimating Cloud Fraction over Long Island Sound for the Summer Months of 2004 Using Satellite Derived Estimates of Surface Solar Irradiance

