

Department of Marine, Earth and Atmospheric Sciences

The Department of Marine, Earth and Atmospheric Sciences (MEAS) covers a broad range of disciplines with one overarching goal: a deeper understanding of the Earth's environment. MEAS takes an interdisciplinary, integrated systems-based approach to studying our planet's air, earth and water. This interdisciplinary viewpoint is particularly important today, in light of accelerating global changes and increasing corporate and public interest in environmental health and the stewardship of our natural resources. Addressing these complex issues requires more than narrow training in a single discipline. MEAS graduates can be equipped for tasks as diverse as improving severe storm forecasting; assessing the potential effects of oil exploration and mining; modeling global climate trends or coastal flooding; understanding the transport of air pollutants from industrial centers, remote satellite observation of our planet's surface; or devising plans to minimize erosion, harmful algal blooms and the pollution of our streams, lakes and estuaries.

MEAS offers:

- Degrees and minors in meteorology, geology, marine sciences, and natural resources
- Minors in meteorology, geology, and marine sciences
- Semester at CMAST, an opportunity to spend a spring semester on the shore of Bogue Sound, in Morehead City
- A departmental honors program in which participants receive enhanced coverage of academic material and are involved in research.
- Opportunities for undergraduate research, cooperative education, and Internships
- Award –winning facilities that include state of the art classrooms, teaching laboratories, computing facilities, and research
- Partnerships with the State Climate Office and the National Weather Service, which are housed on NC State's Centennial Campus

For more information about this department, visit our website (<https://meas.sciences.ncsu.edu/>).

Contact

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Program contact:

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Faculty

Department Head

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Director of Graduate Programs

V. Aneja, *Co-Director*

L. Leithold, *Co-Director*

Associate Director of Undergraduate Programs

M. Puryear

Director, CMAST

D.B. Eggleston, Professor

Director, NC-CICS-Asheville

O. Brown, Research Professor

Professors

V.P. Aneja

D. Bohnenstiehl

D. DeMaster

D.B. Eggleston

D.P. Genereux

P.J. Harries, *Dean, Graduate School, Professor-MEAS*

R. He, *Goodnight Innovation Distinguished Professor*

G.M. Lackmann

E.L. Leithold

J. Levine

P. Liu

D.A. McConnell

N. Meskhidze

H. Mitasova

L. A. Owen, *Department Head*

M.D. Parker

M. Petters

W.A. Robinson

W.J. Showers

L. Xie

S.E. Yuter, *Distinguished Professor*

Research Professors

O. Brown

K.E. Kunkel

C.R. Philbrick

Professor Emeriti

S.P. Arya

T. Clark

J.M. Davis

R. Fodor

J.C. Fountain

J. Hibbard

T. S. Hopkins

D.L. Kamykowski

L.J. Langfelder

L.J. Pietrafesa

S. Raman

F. Semazzi

C. Welby

T.G. Wolcott

Adjunct Professor Emeritus

D.A. Russell

Associate Professors

A.R. Aiyyer

P. Byrne

C. L. Osburn

A. Schnetzer

K.W. Wegmann

Research Associate Professors

C.J. Thomas

Associate Professor Emeriti

C.E. Knowles

A.J. Riordan

P.T. Shaw

E.F. Stoddard

D.L. Wolcott

Assistant Professors

C. Arendt

S.P. Bishop

E. Hyland

S. Larson

R. Paerl

Research Assistant Professors

J. Zambon

Senior Research Scholar

M. Miller

Adjunct Professors

S. Bulusu

B. Colle

D. Easterling

B. Eder

P. Hamilton

R.S. Harmon

D. Kingsmill

E. Koster

S.T. Rao

S. Yu

Y. Zhang

Adjunct Associate Professors

W. H. Battye

J. M. Dahl

B. Kosovic

A. I. Newell

J. Rudek

S. White

Adjunct Assistant Professors

G.W. Bell

M. Brennan

L. Daniel

S.H. Ensign

B. Henderson

N. Kang

H. Liu

S.B. Phillips

B. Puckett

B.A. Schaeffer

J. A. Stanley

R.C. Tacker

- Meteorology (BS): Marine Sciences Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/meteorology-bs-marine-sciences-concentration/>)
- Meteorology (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/meteorology-minor/>)
- Natural Resources (BS): Marine and Coastal Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/natural-resources-bs-marine-coastal-concentration/>)

Lecturers

C. Congreve

R. Mera

Plans

- Geology (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/geology-bs/>)
- Geology (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/geology-minor/>)
- Marine Science (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-science-minor/>)
- Marine Sciences (BS): Biological Oceanography Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-biological-oceanography-concentration/>)
- Marine Sciences (BS): Chemistry Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-chemistry-concentration/>)
- Marine Sciences (BS): Geology Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-geology-concentration/>)
- Marine Sciences (BS): Meteorology Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-meteorology-concentration/>)
- Marine Sciences (BS): Physics Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-physics-concentration/>)
- Meteorology (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/meteorology-bs/>)