Marine, Earth and Atmospheric Sciences

Graduate programs are offered in Atmospheric Science, Earth Science, and Marine Science. Within marine sciences the subdisciplines include: biological, chemical, geological and physical oceanography.

Admission Requirements

A Bachelor’s degree with research experience or a Master’s degree is required for entry into the Ph.D. program. A Bachelor’s degree in a science, mathematics or engineering is required for entry into the M.S. program in Atmospheric science, Earth Science, and Biological, Chemical, Geological or Physical Oceanography. Undergraduate field camp is required of all students in the M.S. program in earth science; this requirement may be fulfilled before or after admission. An M.S. degree with a non-thesis option for students is available and admission to this option must be requested at the time of application.

Master’s Degree Requirements

The M.S. degree requires a minimum of 30 credit hours. Specific course requirements are determined by the advisory committee of each student. However, MEA 601 Seminar is required of all thesis M.S. students no later than the third semester in residence. Marine science students are required to take core courses in two of the three subdisciplines other than their own.

Doctoral Degree Requirements

Specific courses are determined by the student’s advisory committee. Registration in seminar, MEA 801, is required of all Ph.D. students no later than the fourth semester in residence. Marine science students are required to take core courses in all three subdisciplines other than their own; this requirement may be fulfilled at the M.S. level.

Student Financial Support

Research and teaching assistantships are available.

Other Relevant Information

Students are assigned initial advisors upon admission. It is the student’s responsibility to secure the consent of a faculty member to serve as the permanent advisor who will chair or co-chair the advisory committee.

Degrees

- Marine, Earth, and Atmospheric Sciences (MS) (http://catalog.ncsu.edu/graduate/sciences/marine-earth-atmospheric-sciences/marine-earth-atmospheric-sciences-ms/)
- Marine, Earth, and Atmospheric Sciences (PhD) (http://catalog.ncsu.edu/graduate/sciences/marine-earth-atmospheric-sciences/marine-earth-atmospheric-sciences-phd/)
- Marine, Earth, & Atmospheric Sciences (Minor) (http://catalog.ncsu.edu/graduate/sciences/marine-earth-atmospheric-sciences/marine-earth-atmospheric-sciences-minor/)
- Climate Adaptation (Certificate) (http://catalog.ncsu.edu/graduate/sciences/marine-earth-atmospheric-sciences/climate-adaptation-certificate/)

Faculty

Full Professors
Viney Pal Aneja
DelWayne R. Bohnenstiehl
David B. Eggleston
David Paul Genereux
Peter Jeurgen Harries
Ruoying He
Gary M. Lackmann
Elana L. Leithold
Jay Frederick Levine
Jing-pu Liu
David A. McConnell
Nicholas Meskhidze
Helena Mitasova
Lewis Andrew Owen
Matthew David Parker
Markus Dirk Jan Petters
Walter A. Robinson
William J. Showers
Lian Xie
Sandra E. Yuter

Associate Professors
Anantha Aiyyer
Paul Kevin Byrne
Christopher Lee Osburn
Astrid Schnetzer
Karl William Wegmann

Assistant Professors
Carli Arendt
Stuart Bishop
Ethan Gordon Hyland
Sarah Larson
Ryan William Paerl
Arianna Soldati

**Practice/Research/Teaching Professors**

Otis B. Brown
Curtis Congreve
Brian K. Eder
Elisabeth Streit Falk
Kenneth E. Kunkel
Roberto Javier Mera
Carrie J. Thomas
Joseph Brendan Zambon

**Emeritus Faculty**

Fredrick Semazzi
Charles Ernest Knowles
Satya Pal Singh Arya
Jerry M. Davis
David John DeMaster
Ronald Victor Fodor
John Crothers Fountain
James Patrick Hibbard
Thomas Sawyer Hopkins
Daniel Kamykowski
Leonard J. Langfelder
Leonard J. Pietrafesa
Sethu Raman
Allen J. Riordan
Dale A Russell
Ping-Tung Shaw
Edward F. Stoddard
Charles W. Welby,
Donna Lee Wolcott
Thomas G. Wolcott

**Adjunct Faculty**

William Howard Battye
Geoffrey Weszely Bell

Scott Anthony Braun
Michael Brennan
Subrahmanyam Bulusu
Brian A. Colle
Jeffrey Cunningham
Johannes Michael Leopold Dahl
Kathie Dello
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Peter Hamilton
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Barron Halton Henderson
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David E. Kingsmill
Branko Kosovic
Emlyn Howard Koster
Benjamin Kravitz
Huiqing Liu
David Mechem
Andrew Newell
Lester Perry
Sharon Phillips
Brandon Puckett
S. Trivikrama Rao
Joseph Rudek
Blake Schaeffer
Jenni Stanley
Robert Christopher Tacker
Susan White
Shaocai Yu
Yang Zhang