

DEPARTMENT OF ATMOSPHERIC, OCEANIC AND EARTH SCIENCES

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Administration

- Mark Uhen, Chair
- Cristiana Stan, Associate Chair
- Natalie Burls, Graduate Program Director for Climate
- Geoff Gilleaudeau, Graduate Program Director for Geology
- Bohua Huang, Undergraduate Coordinator for Climate
- Barry Klinger, Graduate Coordinator for Climate
- Stacey Verardo, Undergraduate Coordinator for Geology

Scientists and students in the Department of Atmospheric, Oceanic, and Earth Sciences (AOES) are working to better understand our planet in myriad ways, from improving numerical model predictions of next year's atmospheric temperature to explaining geological strata laid down in previous eras, from monitoring water transport through the atmosphere to modeling water movement at the bottom of the ocean.

AOES is home to active research programs and to a doctoral program in Climate Dynamics (<http://catalog.gmu.edu/colleges-schools/science/atmospheric-oceanic-earth-sciences/climate-dynamics-phd/>), master's degrees in Climate Science (<http://catalog.gmu.edu/colleges-schools/science/atmospheric-oceanic-earth-sciences/climate-science-ms/>) and in Earth Systems Science (<http://catalog.gmu.edu/colleges-schools/science/atmospheric-oceanic-earth-sciences/earth-systems-science-ms-aoes/>), undergraduate degrees in Atmospheric Science (<http://catalog.gmu.edu/colleges-schools/science/atmospheric-oceanic-earth-sciences/atmospheric-sciences-bs/>) and Geology (BA (<http://catalog.gmu.edu/colleges-schools/science/atmospheric-oceanic-earth-sciences/geology-ba/>) and BS (<http://catalog.gmu.edu/colleges-schools/science/atmospheric-oceanic-earth-sciences/geology-bs/>)), and undergraduate minors in Atmospheric Science (<http://catalog.gmu.edu/colleges-schools/science/atmospheric-oceanic-earth-sciences/atmospheric-science-minor/>), Earth Science (<http://catalog.gmu.edu/colleges-schools/science/atmospheric-oceanic-earth-sciences/earth-science-minor/>), Ocean and Estuarine Science (<http://catalog.gmu.edu/colleges-schools/science/atmospheric-oceanic-earth-sciences/ocean-estuarine-science-minor/>), and Paleontology (<http://catalog.gmu.edu/colleges-schools/science/atmospheric-oceanic-earth-sciences/paleontology-minor/>). The department has close ties to the Center for Ocean-Land-Atmosphere Studies (COLA) (<http://cola.gmu.edu/>).

Assistant Professors

Du, Gilleaudeau, Ortiz

Research Faculty

Buckley, Cash, Shin, Swenson

Affiliate Faculty

Houser, Light, Summers

Emeriti

Chiu, Diecchio, Schneider, Schopf

Programs

- Atmospheric Science Minor
- Atmospheric Sciences, BS
- Climate Dynamics, PhD
- Climate Science, MS
- Earth Science Minor
- Earth Systems Science, MS (AOES)
- Geology Minor
- Geology, BA
- Geology, BS
- Ocean and Estuarine Science Minor
- Paleontology Minor

Faculty

Department Faculty

Professors

DelSole, Dirmeyer, Hinnov, Huang, Kinter, McBride, Nord, J. Shukla, Stan, Straus, Uhen, Verardo

Associate Professors

Burls, Boybeyi, Klinger, Mattiotti, Tong