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, a master’s degree in Earth Systems Science, undergraduate degrees in Atmospheric Science, Earth Science, and Geology, and undergraduate minors in Atmospheric Science, Earth Science, Ocean and Estuarine Science, and Paleontology. The department has close ties to the Center for Ocean-Land-Atmosphere Studies (COLA) (http://cola.gmu.edu).

Faculty

Department Faculty

Professors
DeSole, Dirmeyer, Hazen (Robinson Professor), Hinnov, Huang, Kinter, Schneider (chair), J. Shukla, Straus

Associate Professors
Boybeyi, Chiu, Klinger, McBride, Stan, Uhen (associate chair)

Assistant Professors
Burls, Pegion

Term Professors
Nord, Verardo

Term Associate Professors
Anders

Term Assistant Professors
Hutsky, Kysar-Mattietti

Research Faculty
Adams, Altschuler, Bombardi, Borah, Buckley, Cash, Chen, Doty, Erfani, Fennessy, Guo, Hao, Jenkins, Krishnamurthy, Manganello, Marx, Paolino, Selman, Shin, R. Shukla, Swenson, Trenary

Affiliate Faculty
Houser, Light, Lukes, Summers

Emeriti
Diecchio, Schopf

Programs

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