

The Department of the Earth, Atmosphere, and Climate offers graduate programs in Earth Science, Geology, and Meteorology. More information about the application process is available on the departmental website (<https://earth-atmosphere-climate.iastate.edu/>). Faculty within the department are currently recruiting graduate students for the following positions.

Biogeochemistry

Dr. Betsy Swanner (eswanner@iastate.edu) likely will not be taking on any new graduate students in academic year 2025-2026. <https://geobiochem.ge-at.iastate.edu/>

Earth History

Dr. Ben Johnson (bwj@iastate.edu) is recruiting a MS in the Geology program for Fall 2025. The student would conduct geochemical modeling of oceanic crust to understand seawater oxygen isotope evolution using hydrothermally altered ocean crust through time. This position would be supported by a teaching assistantship.
<https://www.benjohnson.com/>

Earth Systems Science Education

Dr. Cinzia Cervato (cinzia@iastate.edu) is not currently recruiting any students.
<https://faculty.sites.iastate.edu/cinzia/>

Extreme Weather and Climate Variability

Dr. Christina Patricola (cmp28@iastate.edu) may seek a MS and/or PhD student for Fall 2025 in the Meteorology graduate program. <https://faculty.sites.iastate.edu/cmp28/>

Extreme Weather Predictions

Dr. Robert Nystrom is recruiting two students for Fall 2025, either MS or PhD students, in the Meteorology program. Possible projects include (1) understanding the drivers and predictability of subseasonal tropical cyclone activity, (2) improving the predictability of tropical cyclone heavy rainfall, and (3) understanding periods of tropical cyclone rapid intensity change. This position(s) would be supported by a research assistantship(s).
<https://earth-atmosphere-climate.iastate.edu/profiles/robert-nystrom/>

Geophysics and Seismology

Dr. Igor Beresnev (beresnev@iastate.edu) is not currently recruiting any students.
<https://faculty.sites.iastate.edu/beresnev/>

Human-Computer Interactions

Dr. Chris Harding (charding@iastate.edu) is not currently recruiting any students.

Land-Atmosphere Interactions

Dr. Ian Williams (inw@iastate.edu) is not currently recruiting any students.
<https://faculty.sites.iastate.edu/inw/>

Numerical Modeling

Dr. Xiaoqing Wu (wuxq@iastate.edu) is not currently recruiting any students.
<http://www.public.iastate.edu/~wuxq/homepage.html>

Paleoclimatology

Dr. Al Wanamaker (adw@iastate.edu) is currently recruiting either a MS or PhD student for Fall 2025 in the Earth Science or Geology graduate programs. The research project would be in Sclerochronology and/or Paleoclimatology. This position will be funded by a teaching assistantship and a research assistantship. <https://siperg.las.iastate.edu/>

Structural Geology

Dr. Jacqueline Reber (jreber@iastate.edu) is recruiting a PhD in Geology for Fall 2025. This project aims to quantify the impact of layering in rocks on borehole breakouts, which has direct implications on stress orientation interpretations in the crust. This position will be funded by a teaching assistantship and a research assistantship.
<https://structure.ge-at.iastate.edu/>

Surface Water Hydrology

Dr. Kristie Franz (kfranz@iastate.edu) is not currently recruiting any students.
<https://faculty.sites.iastate.edu/kfranz/projects>

Synoptic and Mesoscale Meteorology

Dr. Bill Gallus (wgallus@iastate.edu) is currently recruiting two MS students in the Meteorology program for Fall 2025. The first project will involve use of WRF and CM1 to examine cases of upscale convective growth and bow echo formation, to explore role of gravity waves in upscale growth, and different mechanisms in creating bow echoes. This student would be funded by a research assistantship. The second project would examine near ground winds in tornadoes, microbursts and thunderstorm gust fronts, likely using the CM1 model. This student would be funded by a research or teaching assistantship. <https://faculty.sites.iastate.edu/wgallus/project/improved-understanding-nocturnal-mesoscale-convective-system-evolution>

The following faculty do not recruit graduate students: Mr. Dave Flory, Dr. Lindsay Maudlin, Ms. Katie Tott, and Dr. Aaron Wood.

The following faculty have retired and/or are no longer taking students: Dr. Jane Dawson, Dr. Bill Gutowski, Dr. Neal Iverson, Dr. Bill Simpkins, and Dr. Paul Spry.