

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

Biogeochemistry

Dr. Betsy Swanner (eswanner@iastate.edu) is recruiting a student (preference for PhD over MS) to the Geology program to investigate metals and their isotopes as redox proxies in stratified lakes. A valid driver's license is required. Funded by research and teaching assistantships. Students can apply for Spring, Summer, or Fall 2023 admission. <https://geobiochem.ge-at.iastate.edu/>

Climate Modeling

Dr. Bill Gutowski (gutowski@iastate.edu) is not currently recruiting any students.

Earth History

Dr. Ben Johnson (bwj@iastate.edu) is recruiting a MS or PhD student in the Geology program to study nitrogen cycling at subduction zones, and how it relates to the atmosphere through time. A pending grant would provide a research assistantship for this project, which would also be supported by a teaching assistantship. Students should apply for Fall 2023 admission. <https://www.benwjohnson.com/>

Earth Systems Science Education

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

Economic Geology

Dr. Paul Spry (pgspry@iastate.edu) is not currently recruiting any students.

Extreme Weather and Climate Variability

Prof. Christina Patricola (cmp28@iastate.edu) is seeking an MS and/or PhD student to investigate the large-scale drivers, local-scale processes, and coupled feedbacks that determine variability and change in extreme weather events (such as tropical cyclones) using global and/or regional climate models and observations. Applicants should apply to the Meteorology program for Fall 2023. These positions will be funded by research and teaching assistantships. <https://faculty.sites.iastate.edu/cmp28/>

Geophysics and Seismology

Dr. Igor Beresnev (beresnev@iastate.edu) is recruiting a MS student to the Geology program for Fall 2023. This project would investigate earthquake-source properties and numerical

simulations of earthquake ground motions for seismic-hazard assessment. Pending a grant application, this position would be funded by a research assistantship.

<https://faculty.sites.iastate.edu/beresnev/>

Glacial Geomorphology

Dr. Neal Iverson (niverson@iastate.edu) is recruiting a MS or PhD student to the Geology program to conduct experiments relevant to ice rheology or permeability and characterize ice microstructure. This position is funded by research and teaching assistantships. Students can apply for Spring, Summer, or Fall 2023 admission. <https://ge-at.iastate.edu/directory/neal-iverson/>

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 not currently recruiting any students.

<https://siperg.las.iastate.edu/>

Structural Geology

Dr. Jacqueline Reber (jreber@iastate.edu) is recruiting an MS student in Geology for Fall 2023. A successful candidate should have strong interests in lab work and/or programming. The project deals with acoustic emissions of brittle failure during deformation of two-phase materials and its application to earthquake hazards. This position will be funded by a teaching assistantship and a research assistantship pending grant funding. <https://structure.ge-at.iastate.edu/>

Surface Water Hydrology

Dr. Kristie Franz (kfranz@iastate.edu) is recruiting an MS or PhD student in the Geology program for Fall 2023. The position would be funded by a teaching assistantship.

<https://faculty.sites.iastate.edu/kfranz/projects>

Synoptic and Mesoscale Meteorology

Dr. Bill Gallus (wgallus@iastate.edu) is not currently recruiting any students.

<https://faculty.sites.iastate.edu/wgallus/project/improved-understanding-nocturnal-mesoscale-convective-system-evolution>

Urbanization

Dr. Yuyu Zhou (yuyuzhou@iastate.edu) is recruiting 2 PhD students in the Geology program for Spring 2023. The projects are investigating the urban thermal environment and heat exposure.

The positions would be funded by a combination of research and teaching assistantships.

<https://faculty.sites.iastate.edu/yuyuzhou/>