



The Doctoral and the Thesis Master's Programs in Earth Science

Field trips

Earth Science students have any opportunities to study the Earth and the environment in the field. Undergraduates have traveled around the world, exploring the most spectacular geological features. Recent Destinations include:

- Hawaii
- Belize
- California
- Texas
- Cuba
- The Alps
- Canadian Rockies
- Spain
- Chile
- Antarctica
- Morocco

Career opportunities

Our Earth Science graduates have many opportunities to pursue and establish exciting careers in a number of sectors. Many of our alumnae have found enriching careers in energy, the environment, government, education, and academics. The Department has many close relationships to organizations and professionals from the international energy industry sector, NASA's Johnson Space Center, and the Lunar and Planetary Institute. The department also has a very active alumni organization so that former students can benefit from alumni gatherings and events. The department has its own, exclusive alumni FaceBook page so that members can keep in touch with each other, make postings of personal events, and update their professional career changes.

Research opportunities

Graduates can choose among many research projects and work closely with world-renowned faculty.

- Global Seismology
- Exploration Seismology
- Tectonics, Paleomagnetism, or Structural Geology
- Geodynamics or Tectonophysics
- Planetary Science
- Volcanic Processes
- Igneous or Metamorphic Petrology
- High-Temperature Geochemistry
- Low-Temperature Geochemistry
- Environmental Science
- Sedimentary Geology, Stratigraphy, or Surface Processes
- Marine Geology and Geophysics
- Global Change
- Geomechanics, Porous Media, and Hydrology
- Energy Resources

For more information visit the faculty research pages at:

<http://earthscience.rice.edu/faculty/index.html>



EARTH SCIENCE DEPARTMENT



Do you want to

- Study at a consistently top-ranked earth science department?
- Participate in individualized program that offers multi-disciplinary research?
- Collaborate with internationally-known faculty with joint research projects at over 100 institutions worldwide?
- Enjoy the benefits of a well-funded department with state-of-the art equipment?
- Have access to state-of-the art facilities, labs and classrooms?
- Reap the personal and financial rewards of exciting career choices?

Rice Earth Science offers a remarkable combination of quality, resources, opportunity and cultural richness to its graduate students. The Department offers two graduate thesis programs, a MS and a PhD degree. Each program is customized to the student's interests, strengths and academic background. The focus is on original research, publications and presentations. Although graduate students are not required to have an undergraduate degree in Earth Science, applicants should have a strong background in physics, chemistry and mathematics. Students who



majoring in any science or mathematics are encouraged to apply.

Most students receive full tuition waivers and a generous stipend that enables them to live comfortably in Houston, an exciting, diverse and culturally-rich city.

Degree Requirements

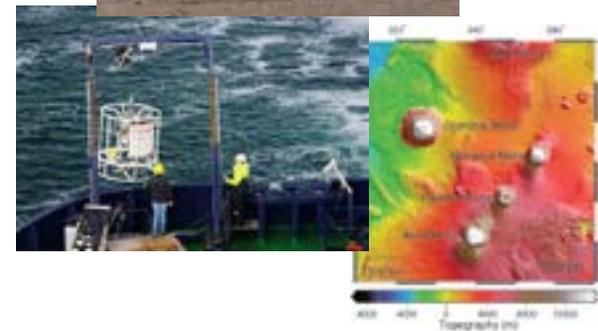
The department accepts applications for the doctoral program from students with an undergraduate degree. These students must complete 90 credit hours plus meet the thesis and publication requirements. Doctoral students entering with a relevant master's degree must complete 60 credit hours. Thesis master's students must complete 30 credit hours and one semester of residency. All students are required to pass a preliminary qualifying exam in the second semester. Starting in the second year, all students are also required to present an annual oral research report and a short written progress report of their research and coursework. All students are expected to complete at least one semester as a teaching assistant.

Doctoral students must pass a Qualifying Exam and are expected to submit an annual paper for publication starting in the second year. The doctoral thesis must include at least three manuscripts that have been submitted to peer-review journals with the student as the lead author. At least one manuscript must be in press or published at the time of the thesis defense.

Master's students must write and defend a master's Thesis Proposal. The final master's thesis must include at least one manuscript that has been submitted to a peer-review journal with the student as the lead author.

For more information about degree requirements go to Guidelines for Advanced Degrees at:

<http://earthscience.rice.edu/academics/gradapply.html>



Our Faculty

We have a creative and dynamic faculty pursuing fundamental questions about the Earth and our environment. The Earth Science Department is ranked 25th nationally by US News and World Report, with the Rice Geophysics and Seismology Program ranked 12th nationally. Moreover, in recent years Rice geochemists have been awarded a Donath Medal, the Kuno Award, two Clarke Medals, and two Packard Grants.

Rice is now home to the NSF GeoPRISMS office. The Center for Computational Geophysics is one of the principal partners in the new Rice DAVinCI Visualization Center.

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