

GEOLOGICAL SCIENCES (PHD)

The Ph.D. in Geological Sciences prepares students for research and teaching careers in academia, as well as for research and leadership positions in government, industry, and the non-profit sector. Students may choose Geology or Geophysics as an area of concentration.

Location

- Storrs Campus

Modality

- In Person

Requirements

The M.S. and the Ph.D. requirements in Geological Sciences conform to the Graduate School requirements as outlined in the Academic Regulations section of this catalog. All M.S. and Ph.D. students are required to pass EARTH 5000 Geoscience Core Course; additional course requirements are determined by the student's advisory committee consistent with the minimum requirements specified by the Graduate School. There are no specific requirements for the areas of concentration beyond advisor approval.

Learning Objectives

1. Knowledge: Demonstrate appropriate breadth and depth of Earth Science knowledge and comprehension of the major topics, theories, and issues of the discipline, including demonstration of specialized knowledge of a sub-field sufficient to carry out substantive independent research.
2. Research/applied skills: Use Earth Science methods and techniques ethically and professionally to apply knowledge, critically analyze, and, as appropriate to the degree, create new knowledge.
3. Communication: Communicate proficiently and effectively to a specialist or non-specialist audience, verbally and in writing, a structured, coherent academic presentation, representation, or argument that cogently summarizes their research, relevant literature, and its significance at the level appropriate in the Earth Sciences.