

GEOLOGY AT THE UNIVERSITY OF KENTUCKY



IT'S WAY MORE THAN JUST ROCKS

If you like to study a broad range of natural sciences, are interested in the environment, and enjoy hiking, camping, travel, or other outdoor activities, we invite you to explore the Geology degree program in UK's Department of Earth and Environmental Sciences.

UK offers a B.A. and B.S. degree in Geology. The Geology major allows students to study a range of natural sciences and also has applications to earth, planetary, and environmental science fields such as:

Geophysics - earthquake seismology, Earth and planetary potential fields, near-surface geophysics, quantitative analysis and modeling, 3-D seismic

Geochemistry - low and high temperature processes, stable and radiogenic isotopes, trace element analysis, biogeochemistry

Paleontology - role of extant and extinct organisms in earth surface / system processes, paleoclimatology

Hydrogeology - water quality, groundwater and surface water flow and modeling, isotope hydrology

Stratigraphy/Sedimentary Geology - landform evolution, natural resource exploration and extraction, climate change, contaminant transport, marine geology

Tectonics - orogenic processes related to Appalachian mountains and Pacific Northwest, crustal deformation, basin evolution, neotectonics

Environmental Geology - fate/effect of contaminants in sediments, surface and groundwaters, trophic transfer and food webs



CAREERS

Many Geology graduates work in the environmental sciences field or the resource exploration fields, such as oil or gas. Right now there are a lot of jobs in the private sector!

Public sector jobs are available with local, state, and federal environmental agencies. For example, many UK EES alumni work for the Kentucky Energy & Environment Cabinet, U.S. Environmental Protection Agency, and the U.S. Geological Survey.

Environmental geoscientists are involved in remediation (clean up) projects on land, coasts, and sea.

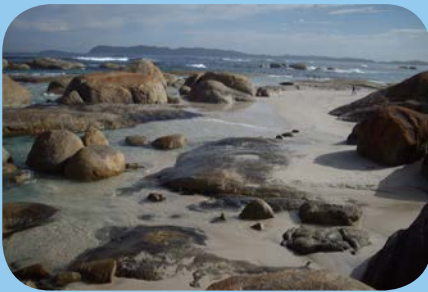
Environmental geoscientists can earn professional certification, which academic majors other than engineering cannot earn.

OPPORTUNITIES FOR ADVANCED STUDY

Many geoscientists attend graduate school to continue their training and increase their career potential.



The Master's of Science degree in geoscience provides a range of opportunities for professional development and high paying employment positions.



Geoscience students receive stipends to attend graduate school unlike many other academic disciplines, providing a chance to travel and experience another university.





FOR MORE INFORMATION, VISIT:

<http://ees.as.uky.edu/undergrad>

or contact

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