

Bachelor of Arts Degree

Did you enjoy Earth Science?

Are you interested in learning more about the processes that have shaped the Earth around you? Do you like *hands-on* learning? Are you looking for a major that can be individually tailored to meet your interests? Do you wish to be part of a department that is ranked as one of the top in the country, yet has small classes with much individual attention? Are you interested in all aspects of the environment around you, from the stars and planets, to the Earth's atmosphere and marine environment, to the forces that have shaped the solid Earth? If so you may want to consider a major in **Earth and Space Sciences**.



Stratigraphy field trip - photo courtesy of Professor Troy Rasbury

The **Department of Geosciences** offers a **Bachelor of Arts Degree in Earth and**

Space Sciences with a very flexible set of course requirements that allow you to build a major around your interests.

The diversity of courses recommended for the major, as well as our new **Earth and Space Sciences Education track**



Structural geology field trip - photo courtesy of professor Bill Holt

make this major very attractive to students interested in pursuing a career in secondary school teaching.

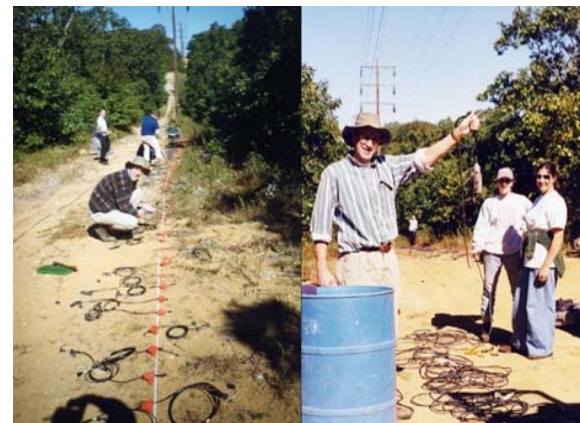
We offer courses that range from the study of minerals, to volcanoes, earthquakes, and the Earth's deep interior. These are supplemented by courses taken in astronomy and atmospheric science and the basic sciences. The courses utilize diverse approaches which involve working directly with geological materials in the laboratory, as well as mapping and



Student researchers in the lab - photo courtesy of the Center for Environmental Molecular Science (<http://www.cems.stonybrook.edu/>)

sampling geological materials outdoors.

All faculty within the **Department of Geosciences** have active research programs that welcome undergraduate participation. Many of our majors become involved in the excitement of laboratory or field research as part of their undergraduate program. Our undergraduate researchers are part of the fabric of the department and have presented their work at conferences nation-wide.

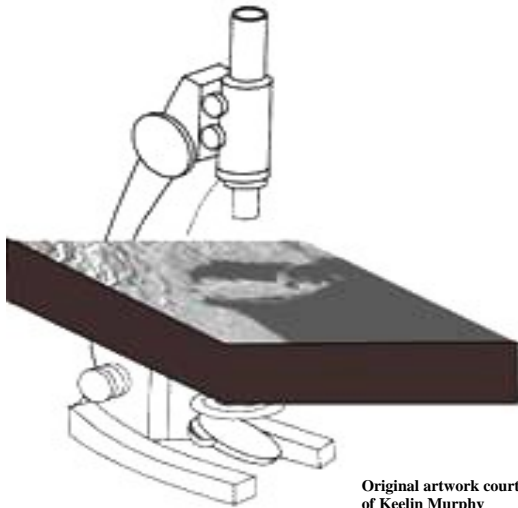


Students installing a seismic refraction monitoring network with Professor Bill Holt - photo courtesy Professor Dan Davis



Flax Pond, Long Island is an excellent local example of a salt marsh - photo courtesy of Glenn Richard (<http://www.eserc.stonybrook.edu:8080/SaltMarshImageLibrary/FlaxPond/index.html>)

Earth and Space Sciences is an interdisciplinary subject that attracts students interested in a variety of fields of science and mathematics. Double majors are common and the academic programs in the **Department of Geosciences** are flexible enough to readily accommodate such efforts.



Students interested in earning certification as a secondary school teacher of Earth Science can do so by majoring in **Earth and Space Sciences/ Earth Science Education**. Acceptance in this major requires a 2.75 cumulative GPA, a 2.75 GPA in science courses and three letters of reference from University faculty assessing the candidate's teaching potential.



Photo courtesy of Glenn Richard

Learn More About Earth & Space Sciences at Stony Brook University

Visit us in person in the Earth and Space Sciences building or visit the Department of Geosciences website at (<http://pbisotopes.ess.sunysb.edu/geo/>)

Inquiries regarding the Bachelor of Arts major may be directed to:

Director of Undergraduate Studies
Department of Geosciences
Stony Brook University
Stony Brook, NY 11794-2100

Tel. 631-632-1488
e-mail: troy.rasbury@sunysb.edu

Stony Brook University is an Affirmative Action/
Equal Opportunity Educator and Employer.



- ◆ *Bachelor of Arts Degree*
- ◆ *Teacher Certification*



Satellite image of Long Island, New York - photo courtesy of NASA (<http://modis.gsfc.nasa.gov/gallery/index.php#>)

Earth and Space Sciences

Department of Geosciences

