

GeoSociety Programs

Guest Speakers

Several guest speakers from industry and the faculty will be invited to speak after our general meetings.

Professional Training

Several Short Courses will be organized throughout the year and be announced on the website.

Sheriff Lecture

EAS student organizations charter a bus to allow for members to attend this lecture.

Mentorship Program

Each year GeoSociety pairs undergrads with Graduate students to help undergrads gain the perspective of an experienced geology student. This program is very valuable and we highly recommend all undergrads participate.

Adopt-a-Spot

GeoSociety will be reconditioning and maintaining the planter southeast of SR1.

Volunteering

GeoSociety participates in several charity programs including judging at science fairs, volunteering at the Houston Food Bank, participating in the annual earth science week event at the Houston Museum of Natural Science and educating elementary students about Geoscience.

Social Events

GeoSociety works with other EAS student organizations to host an annual holiday party and an annual Spring Picnic. This year's holiday party will be at Nouveau Antique Art Bar and the Spring Picnic will be a crawfish boil on campus. We also reserved a season long student tailgate spot. More information about tailgates will be posted on the website.

Conferences

GeoSociety typically gets invited to volunteer at professional conferences or attend at student rates.

Hand Lens Sale

Your hand lens will be a crucial tool for most of your degree. It is required equipment for Paleobiology and Mineralogy. We will be selling these at the beginning of the fall semester.

Field Notebook Sale

Field notebooks are required for Field Methods and Structure. We will sell these at the beginning of the spring semester.

T-Shirts

GeoSociety T-Shirts will be sold all year. Details about events and sign up forms can be found on the GeoSociety website.

Grain Size Cards

Also sold on the website.



Field trips

Field trips are one of the most fun aspects of our degree. Intro to Physical Geology students have the opportunity to attend 1-2 day field trips, sometimes for extra credit depending on the professor. GEOL 3340 Geologic Field Methods requires a weekend field trip (typically to Central Texas) and a week long field trip (to Big Bend NP). GEOL 3345 Structural Geology also requires a week long field trip to Big Bend. Both field trips **take place over spring break** so two spring semesters you will be in the field during spring break.

Field Methods and Structural field trips require students to camp and hike in Central and South Texas. Every year this manages to catch some students off guard. Professors and student organizations do their best to prepare you, but take it upon yourself to gather more information from fellow students. GeoSociety will dedicate several meetings to preparing students for the field.

It wouldn't hurt to begin collecting gear now, like a tent, sleeping bag, hiking boots, etc.



Big Bend NP

Geology Undergraduate Survival Guide 2015-2016



Visit us at geosociety.uh.edu for information on:

- Announcements
- Membership
- Upcoming Events
- Volunteering Opportunities
- Resources
- Supplies Sales

*This guide is available on our website under the resources tab. Important updates from the society and the department will be posted to the website so check **DAILY**. **Note:** This guide is unofficial and purely informational.*

What is Geology?

Geology is the study of the solid Earth (the lithosphere) and the processes that shape it.

This guide is designed for UH undergrads seeking a bachelors degree in **Geology**. It is important to note that Geology has many subdisciplines and is one of many fields that make up the Earth Sciences including: Geophysics, Geochemistry, Mineralogy, Hydrology, Sedimentology, Atmospheric Science and Environmental Science to name a few. So if rocks are one of your many passions, there's likely a field that fits you. The Department of Geosciences offers these bachelor degrees:

- Bachelor of Science with a major in Geology
- Bachelor of Science with a major in Geophysics
- Bachelor of Science with a major in Environmental Science
- Bachelor of Arts with a major in Earth Science

Why Geology?

A career in geology can take you many directions whether it be in academia, oil and gas, resource mining, predicting earthquakes and volcanic eruptions or studying rocks from Mars.

Most careers will provide the opportunity to travel, involve exciting new technologies, present new challenges and reward creativity.



GeoSociety
Winter Trip, New Mexico 2015

Required Geology Classes

One of the most common disconnects with new undergrads is what geology courses you should be taking each semester to stay on track to graduate in 4 years. Many classes are only offered in the spring OR fall, not both. Check online for specific prerequisite requirements.

Freshman Year

Spring or Fall -

- GEOL 1330 and 1130. Physical Geology and Lab

Sophomore Year

Fall only -

- GEOL 3370. Mineralogy and Lab
- GEOL 3330 and 3130. Paleobiology and Lab

Spring only -

- GEOL 3372. Petrography and Lab
- GEOL 3340. Geologic Field Methods and Lab

Junior Year

Fall only -

- GEOL 3373. Igneous & Metamorphic Petrogenesis and Lab
- GEOL 3350 and 3150. Stratigraphy and Principles of Stratigraphy Lab Spring only-
- GEOL 3345 and 3145.

Structural Geology and Lab

- GEOL 3374. Sedimentary Petrogenesis and Lab

Fall or Spring -

- GEOL 4330 Introduction to Geophysics Senior Year Fall or Spring -
- Geosciences elective (3000 or 4000 level)
- Geosciences elective (3000 or 4000 level)

Summer Session between Junior or Senior Year

- GEOL 3355 and 3360. Field Geology (6 weeks in Montana, satisfies capstone req.)

Required: 120 credit hours total, 36 advanced electives, must maintain 2.00 cumulative GPA, no more than 6 credit hours below a C-. Geology courses below C- must be retaken. Transferring to Geology requires a minimum GPA of 2.5.

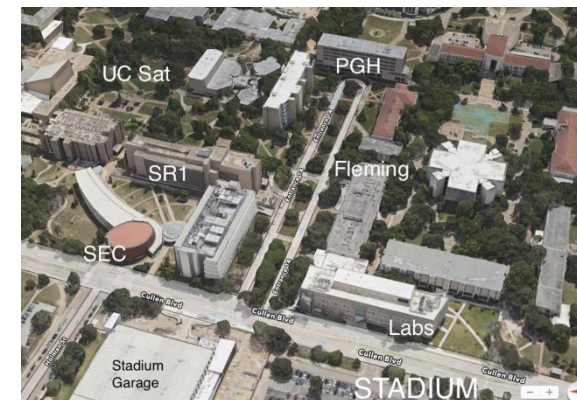
All undergraduate majors should meet with an undergraduate advisor prior to registration each semester.

Things to look forward to:

- Graduate mentorships programs
- Tailgates
- Happy Hours with Industry Professionals and Alumni
- Holiday Party
- Short Courses
- Field Trips
- ..and so much more!

Check the GeoSociety Calendar on the website under the events tab for updates and to add our google calendar to yours.

Map of Common EAS Buildings



Earth and Atmospheric Science
Department Information

- UH Earth and Atmospheric Science Home Page <http://www.geosc.uh.edu/index.php>
- UH Course Catalog (the authority on courses and prerequisites) <http://catalog.uh.edu/>
- Undergraduate Advisor is Dr. Shuhab Khan sdkhan@uh.edu, Room 234 Science and Research 1
- **Geoscience Learning Center (GLC)** provides tutoring, computers, microscopes and study areas, Room 136 Fleming Building

More information here:
<http://www.geosc.uh.edu/undergraduate/degree-programs/bs-geology/index.php>