

# Texas A&M GEOPHYSICS (BS) starts at Brookhaven College

The Geology department in the College of Geosciences at Texas A&M welcomes transfer students from **Brookhaven College!** The Department of Geology and Geophysics offers the Bachelor of Science in Geophysics for students who wish to combine a proficiency in mathematics with an interest in Earth. The objective of this program is to develop a physically-motivated approach to the study of Earth phenomena, through treatment of physical and geological principles and development of mathematical tools. Graduates will be well-prepared for careers in the energy and environmental industries, and for advanced study at top-ranked graduate programs. The tracks offered within the BS in Geophysics – Environmental and Petroleum – prepare students for the most common career paths for geophysicists. This 8-term plan of study provides current and prospective students with a recommended pathway to completion of the Bachelor of Science (BS) in Geophysics. For a variety of reasons, many students opt for the transfer path to Texas A&M's College of Geosciences, and that is perfectly fine. It is important to understand how transfer applicants are reviewed for admission; therefore, following this pathway will help put you on your way to Texas A&M – *the pathway that started at Brookhaven College!*

How can you be admitted?

### Automatic

Minimum 3.0 GPA

Successfully completed and/or enrolled in any combination of the following:

- 2 appropriate mathematics course
- 1 appropriate science course
- 1 geosciences course

### Case-by-case

Minimum 2.5 GPA

Successfully completed:

- 2 appropriate mathematics courses
- 1 appropriate science course
- 1 geosciences course

### SAMPLE SCHEDULE

SEMESTER 1	Hrs.
ENGL 1301	3
MATH 2413	4
HIST 1301	3
PHYS 2425	4
Total Hours	14
SEMESTER 2	Hrs.
ENGL 1302	3
MATH 2414	4
HIST 1302	3
SPCH 1315	3
PHYS 2426	4
Total Hours	17
SEMESTER 3	Hrs.
ENGL 2332	3
GOVT 2305	3
ARTS 1301	3
CHEM 1411	4
GEOL 1403	4
Total Hours	17
SEMESTER 4	Hrs.
GOVT 2306	3
PHED 1164	1
PSYC 2301	3
CHEM 1412	4
Computer Science elective	3
Total Hours	14

### MILESTONES

SEMESTER 1 – Be curious
Meet with your advisor
Meet with Career Center advisor
Establish a good GPA
SEMESTER 2 – Show initiative
Meet with your advisor
Consult with TAMU advisor for geology
Begin to consider Study Abroad opportunities
SEMESTER 3 – Make connections
Meet with your advisor
Compose résumé for review
Join the professional society in your major
Register for AggieExternships
SEMESTER 4 – Aggies Commit
Meet with your advisor
Meet with a faculty member to formulate undergraduate research

**AS Degree completed at Brookhaven College**

# From Brookhaven College to Texas A&M Pathway to GEOPHYSICS (BS)

## SAMPLE SCHEDULE

SEMESTER 5	Hrs.
GEOP 435	4
PHYS 208	4
MATH 251	3
MATH 308	4
Total Hours	15

SEMESTER 6	Hrs.
PHYS 221	3
GEOL 311	1
GEOL 312	4
MATH 311	3
GEOL 302	3
Total Hours	15

SEMESTER 7	Hrs.
GEOP 421	4
MATH 412	3
GEOL 309	3
Technical electives**	7
Total hours	17

SEMESTER 8	Hrs.
GEOP 470	3
General elective	3
Technical electives**	6
Total hours	12

Texas A&M Academic Advisor:  
Suzanne Rosser [crosser@tamu.edu](mailto:crosser@tamu.edu)

\*Any approved 400-level geology or geophysics course not already required.

\*\* Any science, math or engineering course that augments the degree with the approval of the advisor.

### Employment Information

*The U.S. Bureau of Labor Statistics projects an 18% growth for geosciences over the next decade.*

Representative Job Titles Related to this Major: Geologist, Geochemist, Earth Scientist, Geophysicist, Marine Geologist, Hydrologist, Oceanographer, Environmental Administrator, Paleontologist.

Representative Employers: Mining Companies, Petroleum Companies, Consulting Firms in Environmental Sciences, Federal/State/Local government.

## MILESTONES

SEMESTER 5
Meet with your advisor
Create Career Center profile
Join a service organization or two
Connect with at least one faculty mentor to serve as mentor
Register for workshop through Money Wise Aggies. Recommended: Credit Cards and Credit Scores

SEMESTER 6
Meet with your advisor
Create Career Center profile
Join a service organization or two
Connect with at least one faculty mentor to serve as mentor
Register for workshop through Money Wise Aggies. Recommended: Credit Cards and Credit Scores

SEMESTER 7
Complete a Pre-Graduation Check
Register for workshop through Money Wise Aggies. Recommended: I'm Graduating, Now What?
Apply for your Aggie Ring

SEMESTER 8
Register for graduation