

Texas A&M GEOPHYSICS (BS) starts at Blinn College

The Geology department in the College of Geosciences at Texas A&M welcomes transfer students from **Blinn 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 Blinn!* 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

Academic Advisor: Suzanne Rosser crosser@tamu.edu

SAMPLE SCHEDULE

| SEMESTER 1 | Hrs. |
|-----------------------------------|------|
| HIST 1301 or 1302 | 4 |
| ENGL 1301 | 3 |
| Creative Arts | 3 |
| GEOL 1403 | 4 |
| MATH 2413 – MPE for qualification | 4 |
| Total Hours | 18 |

| SEMESTER 2 | Hrs. |
|-----------------------------------|------|
| PHYS 2425 | 4 |
| Language, Philosophy, and Culture | 3 |
| HIST 1301 or 1302 | 3 |
| MATH 2414 | 4 |
| ENGL 1302 | 3 |
| PHED 1164 | 1 |
| Total Hours | 18 |

| SEMESTER 3 | Hrs. |
|-------------------|------|
| PHYS 2426 | 4 |
| GOVT 2305 | 3 |
| MATH 2415 | 3 |
| CHEM 1470 | 4 |
| SPCH 1315 or 2335 | 3 |
| Total Hours | 17 |

| SEMESTER 4 | Hrs. |
|---------------------------|------|
| CHEM 1412 | 4 |
| GEOL 1404 | 4 |
| COSC 1420 | 4 |
| GOVT 2306 | 3 |
| Social Behavioral Science | 3 |
| Total Hours | 18 |

Case-by-case

Minimum 2.5 GPA

Successfully completed:

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

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 |

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

SAMPLE SCHEDULE

| SEMESTER 5 | Hrs. |
|------------------|------|
| GEOP 435 | 4 |
| PHYS 208 | 4 |
| General elective | 3 |
| MATH 308 | 4 |
| Total Hours | 15 |

| SEMESTER 6 | Hrs. |
|-------------|------|
| PHYS 221 | 3 |
| GEOL 311 | 1 |
| GEOL 312 | 4 |
| MATH 311 | 3 |
| Total Hours | 12 |

| SEMESTER 7 | Hrs. |
|-----------------------|------|
| GEOP 421 | 4 |
| MATH 412 | 3 |
| Computer science | 4 |
| Technical electives** | 6 |
| Total hours | 17 |

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

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 |

*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.