*Texas A&M GEOPHYSICS (BS) starts at*

*Lone Star College*

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

Academic Advisor: Suzanne Rosser crosser@tamu.edu

**SAMPLE SCHEDULE**

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| **SEMESTER 1** | **Hrs.** |
| PHYS 2425  | 4 |
| ENGL 1301 (if needed) | 3 |
| GEOL 1403 | 4 |
| MATH 2413 | 4 |
| Total Hours | 15 |

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| **SEMESTER 2** | **Hrs.** |
| PHYS 2426 | 4 |
| GOVT 2305 | 3 |
| MATH 2414 | 4 |
| EDUC 1300 | 3 |
| Total Hours | 14 |

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| **SEMESTER 3** | **Hrs.** |
| GEOL 1404 | 4 |
| Minor or communication elective | 3 |
| MATH 2415 | 3 |
| CHEM 1411 | 4 |
| Total Hours | 14 |

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| **SEMESTER 4** | **Hrs.** |
| Minor or general elective | 3 |
| Language, philosophy and culture elective | 3 |
| GOVT 2306 | 3 |
| CHEM 1412 | 4 |
| Total Hours | 13 |

**MILESTONES**

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| **SEMESTER 1 – Be curious** |
| Meet with your advisor |
| Meet with Career Center advisor |
| Establish a good GPA |

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| **SEMESTER 2 – Show initiative** |
| Meet with your advisor |
| Consult with TAMU advisor for geology |
| Begin to consider Study Abroad opportunities |

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| **SEMESTER 3 – Make connections** |
| Meet with your advisor |
| Compose résumé for review |
| Join the professional society in your major |
| Register for AggieExternships |

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| **SEMESTER 4 – Aggies Commit** |
| Meet with your advisor |
| Meet with a faculty member to formulate undergraduate research |

*From Lone Star College to Texas A&M*

*Pathway to GEOPHYSICS (BS)*

**SAMPLE SCHEDULE**

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

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| **SEMESTER 6** | **Hrs.** |
| PHYS 221 | 3 |
| GEOL 311 | 1 |
| GEOL 312 | 4 |
| MATH 311 | 3 |
| General elective | 3 |
| Total Hours | 15 |

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

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| **SEMESTER 8** | **Hrs.** |
| GEOP 470 | 3 |
| Creative arts elective | 3 |
| Technical electives\*\* | 6 |
| Total hours | 12 |

**MILESTONES**

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| **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 |

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| **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 |

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| **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 |

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| **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.