



Geology - BS  
College of Arts and Sciences  
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2025-2026 Transfer Course Sheet  
Minimum GPA | 2.5  
Minimum Transferable Hours | 24  
Second-Choice Major Eligible | YES

#### Required Coursework for Admission

| Course Name         | Hrs. | TCCNS                 | TAMU         |
|---------------------|------|-----------------------|--------------|
| Engineering Math I  | 4    | MATH 2413             | MATH 151     |
| Engineering Math II | 4    | MATH 2414             | MATH 152     |
| Chemistry I         | 4    | CHEM 1411 (1311/1111) | CHEM 119     |
| Physical Geology    | 4    | GEOL 1403             | GEOL 101/102 |

#### Recommended Coursework for Admission

| Course Name             | Hrs. | TCCNS                 | TAMU         |
|-------------------------|------|-----------------------|--------------|
| Mechanics               | 4    | PHYS 2425             | PHYS 206/226 |
| Electricity & Magnetism | 4    | PHYS 2426             | PHYS 207/227 |
| Historical Geology      | 4    | GEOL 1404             | GEOL 106     |
| Chemistry II            | 4    | CHEM 1412 (1312/1112) | CHEM 120     |

This transfer course sheet is applicable for applicants applying between August 1<sup>st</sup>, 2025 and October 15<sup>th</sup>, 2026.

- Math courses listed should be completed with a grade of C or better.
- Must have a C average grade in the science course sequence attempted from the above list.
- Competitive applicants will have a B or better in the courses listed above.
- Students may have to complete Trigonometry and Pre-Calculus (MATH 2412) at their institution before taking MATH 2413.
- Trigonometry and Pre-Calculus are transferable courses but **will not** satisfy the Mathematics requirements in this degree plan.

The recommendations below represent what a typical TAMU student's schedule looks like during the first four semesters. If working to complete an Associate's Degree before transferring, please align your degree plan to satisfy TAMU degree requirements. You may not have to complete the coursework in the sequence below but this major requires specific coursework to be completed.

#### First Year

##### FALL SEMESTER

| TCCNS                 | TAMU                                             | Course Name        | Hrs. |
|-----------------------|--------------------------------------------------|--------------------|------|
| GEOL 1403             | GEOL 101/102                                     | Physical Geology   | 4    |
| CHEM 1411 (1311/1111) | CHEM 119                                         | Chemistry I        | 4    |
| MATH 2413             | MATH 151                                         | Engineering Math I | 4    |
|                       | <a href="http://core.tamu.edu">core.tamu.edu</a> | Communication      | 3    |
| Total                 |                                                  |                    | 15   |

##### SPRING SEMESTER

| TCCNS                 | TAMU                                             | Course Name          | Hrs. |
|-----------------------|--------------------------------------------------|----------------------|------|
| GEOL 1404             | GEOL 106                                         | History of the Earth | 4    |
| CHEM 1412 (1312/1112) | CHEM 120                                         | Chemistry II         | 4    |
| MATH 2414             | MATH 152                                         | Engineering Math II  | 4    |
|                       | <a href="http://core.tamu.edu">core.tamu.edu</a> | Government           | 3    |
| Total                 |                                                  |                      | 15   |

#### Second Year

##### FALL SEMESTER

| TCCNS     | TAMU                                             | Course Name          | Hrs. |
|-----------|--------------------------------------------------|----------------------|------|
|           | <a href="http://core.tamu.edu">core.tamu.edu</a> | Government           | 3    |
|           | <a href="http://core.tamu.edu">core.tamu.edu</a> | American History     | 3    |
| PHYS 2425 | PHYS 206/226                                     | Mechanics            | 4    |
| MATH 2315 | MATH 251                                         | Engineering Math III | 3    |
| Total     |                                                  |                      | 13   |

##### SPRING SEMESTER

| TCCNS     | TAMU                                             | Course Name             | Hrs. |
|-----------|--------------------------------------------------|-------------------------|------|
|           | <a href="http://core.tamu.edu">core.tamu.edu</a> | American History        | 3    |
|           | <a href="http://core.tamu.edu">core.tamu.edu</a> | Creative Arts           | 3    |
| MATH 2320 | MATH 308                                         | Differential Equations  | 3    |
| PHYS 2426 | PHYS 207/227                                     | Electricity & Magnetism | 4    |
| Total     |                                                  |                         | 13   |

- Consider taking courses that fulfill the 6 hours of [International and Cultural Diversity requirement](#) when completing the Social and Behavioral Sciences, free electives and Creative Arts requirements.



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Minimum GPA | 2.5  
Minimum Transferable Hours | 24  
Second-Choice Major Eligible | YES

#### Coursework Timeline

- Competitive applicants will have the Required coursework completed by the application deadline.
- Applicants to the summer/fall term **may be** asked to submit spring final grades, this is not a guarantee.
- Summer coursework **will not** be considered for summer/fall applicants.
- Fall coursework **will not** be considered for spring applicants.
- Applicants to the spring term should have the Required coursework completed by the end of Summer II semester before applying.

#### Additional Transfer Requirements

- The Department of Geology & Geophysics is looking for students who are interested in pursuing our degree as a focus. Students should indicate our department as the primary major they are interested in if they wish to be admitted. The essay and supporting materials should reflect that the student is interested in pursuing our degree.
- Meeting minimum requirements **DOES NOT** guarantee admission. The entire record is reviewed for consistency in coursework and grades.

#### Additional Information

- Applicants should be serious about earning a degree in Geology.
- Transfer applicants are instructed **NOT** to accept transfer admission to any major with the expectation of later applying for an on-campus change of major.

#### Career & Educational Opportunities

The undergraduate curriculum in geology emphasizes the development of sound scientific skills, including the ability to think, observe, analyze, classify, describe, and interpret data, and the application of these skills to the study of rocks, minerals, fossils, structures, landforms, and other geologic phenomena. The Bachelor of Arts (B.A.) program offers more flexibility than the Bachelor of Science (B.S.) program in terms of allowing a program of study which combines geology with subject areas such as geophysics, history, journalism, political science, mathematics, biology, business, computer science, education, and more. However, the B.S. program is considered the preparatory degree in the field of geology and includes advanced study in petroleum geology, environmental geology, engineering geology, hydrogeology, and others.

The **Environmental Geology** track is designed to provide a strong foundation in geology coupled with specialized training in work on some of society's most pressing problems, including groundwater contamination and remediation, non-point-source pollution, water resources, and geologic hazards such as earthquakes, landslides, flooding, volcanism and surface deformation. Students completing the Environmental track of the BS in Geology are prepared to go on to graduate school for an advanced geoscience degree, or for employment in the environmental industry. Environmental geoscientists typically find careers with environmental and engineering consulting companies and other industrial corporations, governmental agencies or academia. Students are well-prepared for the Association of State Boards of Geology (ASBOG) Fundamentals of Geology exam, which is required for appointment as a Professional Geologist in the State of Texas.

The **Petroleum Geology** track provides students with the technical preparation for eventual employment in the field of petroleum exploration and extraction. The petroleum geology track is intended to prepare students for graduate study, as well as provide training for those who may be interested in service jobs in the oil and gas industry between their undergraduate and graduate education. For more information please visit [careercenter.tamu.edu](http://careercenter.tamu.edu).

#### Transfer Course Sheet Notes

1. Admission preference is given to applicants with the highest GPA and the most appropriate courses completed.
2. Transfer applicants are encouraged to complete [University Core Curriculum](#) coursework found in the [Undergraduate Catalog](#) unless specified above.
3. This Transfer Course Sheet was supported in a partnership between the Office of Admissions and the College of Arts and Sciences at Texas A&M University with the Undergraduate Catalog having the most extant and definitive information.

*We have endeavored to make this major coursework check sheet error free. All listings are based on the 2025-2026 Texas A&M University Undergraduate Catalog. The catalog is the final word if a discrepancy appears.*