Bachelor of Arts Degree in Geology

The Bachelor of Arts degree in Geology provides opportunities to prepare for careers in fields such as earth science education, law, insurance, financial services, and environmental management. It is not recommended for students planning to pursue careers as professional geologists or graduate studies in geology or related fields.

The minimum number of semester credit hours required for this degree, including the Core Curriculum requirements, is 120, at least 39 of which must be at the upper-division level.

All candidates seeking this degree must fulfill the Core Curriculum requirements and the degree requirements, which are listed on the following pages.

Core Curriculum requirements: Students seeking the Bachelor of Arts degree in Geology must fulfill University Core Curriculum requirements in the same manner as other students. The courses listed in the table below satisfy both degree requirements and Core Curriculum requirements; however, if these courses are taken to satisfy both requirements, then students may need to take additional courses in order to meet the minimum number of semester credit hours required for this degree. For a complete listing of courses that satisfy the Core Curriculum requirements, see pages 5–9 of this catalog.

<table>
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<th>Core Curriculum Component Area</th>
<th>Courses that Satisfy Core Curriculum and Degree Requirements</th>
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| Communications                                        | English Rhetoric/Composition (6 semester credit hours)  
All students must take the following six hours to meet this core requirement:  
WRC 1013 Freshman Composition I  
WRC 1023 Freshman Composition II |
| Mathematics                                            | Mathematics (3 semester credit hours)  
The core curriculum mathematics requirement is automatically fulfilled in obtaining a B.A. degree in Geology. |
| Natural Sciences                                       | Science (6 semester credit hours)  
The core curriculum science requirement is automatically fulfilled in obtaining a B.A. degree in Geology. |
| Humanities & Visual and Performing Arts               | Literature (3 semester credit hours)  
Any three hours listed under this section in the list of core courses will satisfy this core requirement.  
The Arts (3 semester credit hours)  
Any three hours listed under this section in the list of core courses will satisfy this core requirement. |
| Social and Behavioral Sciences                        | United States History and Diversity (6 semester credit hours)  
Any six hours listed under this section in the list of core courses will satisfy this core requirement.  
Political Science (6 semester credit hours)  
POL 1013 Introduction to American Politics, plus three additional hours listed under this section in the list of core courses will satisfy this core requirement.  
Social and Behavioral Science (3 semester credit hours)  
Any three hours listed under this section in the list of core courses will satisfy this core requirement. |
Core Curriculum Component Area | Courses that Satisfy Core Curriculum and Degree Requirements
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**Economics** (3 semester credit hours) | Any three hours listed under this section in the list of core courses will satisfy this core requirement.

**World Society and Issues** | (3 semester credit hours) Any three hours listed under this section in the list of core courses will satisfy this core requirement.

### Degree Requirements

A. 43 semester credit hours of geology courses completed with a grade of “C” or better:

1. 37 semester credit hours of required courses:
   
   GEO 1103, 1111 Introduction to Earth Systems and Laboratory  
   GEO 1123, 1131 Earth History and Laboratory  
   GEO 2003, 2012 Mineralogy and Laboratory  
   GEO 3043, 3052 Petrology and Laboratory  
   GEO 3123, 3131 Sedimentary Geology and Laboratory  
   GEO 3153, 3162 Paleontology and Stratigraphy and Laboratory  
   GEO 3163 Oceanography  
   GEO 4063 Environmental Geology  
   GEO 4113, 4121 Geomorphology and Laboratory

2. 6 semester credit hours at the upper-division level selected from among the remaining GEO course offerings. Students should meet with the College of Sciences Advising Center and/or a member of the Department of Geological Sciences to verify that they have taken the necessary prerequisites.

B. 23 to 25 semester credit hours in the College of Sciences:

   CHE 1103 General Chemistry I  
   CHE 1113 General Chemistry II  
   CHE 1132 General Chemistry II Laboratory  
   or  
   GEO 3374 Geochemistry  
   GEO 2113 Fundamentals of Geographic Information Systems (GIS)  
   MAT 1214 Calculus I  
   PHY 1603, 1611 Algebra-based Physics I and Laboratory  
   PHY 1623, 1631 Algebra-based Physics II and Laboratory

C. 19 to 21 semester credit hours of electives to meet the 120 semester credit hour degree minimum, 6 to 9 of which must be at the upper-division level to meet the UTSA minimum of 39 upper-division hours