Geology

Geology is the study of Earth, particularly the processes that have shaped our world and continue to do so.

An AS in Geology can provide a pathway to bachelor's degrees in other geosciences, such as atmospheric sciences/meteorology, environmental engineering, and interdisciplinary fields such as climate science, and Earth system science.

What Will I Learn?

Students will gain a solid foundation in the understanding of processes operating in Earth's interior and on its surface, how Earth has changed throughout its long history and continues to change as a result of natural and human causes, and how rocks, fossils, and Earth surface features provide information needed to gain insight into the distant past of our world. An associate of science in geology from Lee College is a great first step toward a bachelor of science in geology and numerous related fields.

View Program Learning Outcomes

"What Can I Do With This Course of Study?"

An advanced degree in Geology can lead to a variety of different careers such as:

- Geologist in environmental or petroleum industries or government agencies
- Environmental scientist or environmental engineer
- Geotechnical engineer

- Hydrogeologist
- Climate scientist

Degrees and Certificates

Associate of Science in Geology

Geology Nonspecific Transfer Plan

Please note that MATH 1314 & MATH 2412 are pre-requisites for MATH 2413. This plan includes general course options for transferring into a GEOLOGY BS without a specific transfer institution. Students will need to work with an advisor to customize the plan once a transfer school is selected. The plan includes more than the 60 hours required for an Associate of Science and allows students to complete additional bachelor's degree requirements before transfer.

Foundations: These are the courses students need in order to progress in their career/college pathway, as they either provide a certificate or lay the groundwork for moving to the next set of courses.

Lee College		Transfer School
Course	**Course Title**	**Counts Toward**
EDUC 1200	Learning Frameworks	
ENGL 1301	English Composition 1	
GEOL 1403	Physical Geology	
CHEM 1411	General Chemistry 1; Lecture and lab	
MATH 2413	Calculus 1	
HIST 1301	History of the United States to 1877	
SBS Option	Select one course from the SBS Core Component Area	
GEOL 1404	Historical Geology	

Knowledge Building: These courses further the students' knowledge in the area of study and increase their preparation for the degree completion.

Lee College		Transfer School
Course	**Course Title**	**Counts Toward**
SPCH 1315	Principles of Public Speaking	
CHEM 1412	General Chemistry 2; Lecture and lab	
PHYS 1401	College Physics 1; Lecture and lab	
ARTS 1303 or 04	Art History 1 OR Art History 2	
GOVT 2305	Federal Government	

LPC Option	Select one course from the LPC Core Component Area
ENGL 1302	English Composition 2

Completion: These are the courses the student needs in order to complete the degree plan and prepare to enter the workforce.

Lee College		Transfer School
Course	**Course Title**	**Counts Toward**
HIST 1302	History of the United States since 1877	
PHYS 1402	College Physics 2; Lecture and lab	
GOVT 2306	Texas Government	

Transfer

Students pursuing the Associate of Arts (AA) degree are strongly encouraged to connect with the Transfer Department early and often to ensure a smooth transition to a four-year university.

The Transfer team can help you explore your options, understand admission requirements, and create a clear academic plan aligned with your goals.

- Visit the Transfer Page to access resources and connect with advisors.
- Explore guidance on Transferring to a University, including an easy-to-follow checklist.
- Review detailed University Partner Transfer Maps to see how your Lee College courses merge seamlessly into bachelor's degree programs.

Taking advantage of these resources will help you stay on track and make informed decisions about your future.

CAREERS
fN GEOLOGY
My Next Move

Live Chat

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