



# Geology

AS (60 SCH\*)

\*Semester Credit Hour

5/2024

## First Semester - 16 SCH

ENGL 1301 - Composition I  
ARTS 1301 - Art Appreciation  
HIST 1301 - United States History I  
GEOL 1403 - Physical Geology  
EDUC/PSYC 1300 - Learning Framework

## Second Semester - 16 SCH

ENGL 1302 - Composition II  
HIST 1302 - United States History II  
MATH 1314 - College Algebra  
GEOL 1404 - Historical Geology  
COSC 1301 - Introduction to Computing

## Third Semester - 14 SCH

CHEM 1411 - General Chemistry I  
SOC 1301 - Introduction to Sociology  
GOVT 2305 - Federal Government  
BIOL 1407 - Biology for Science Majors II

## Fourth Semester - 14 SCH

CHEM 1412 - General Chemistry II  
HIST 2321 - World Civilizations I  
GOVT 2306 - Texas Government  
PHYS 1401 - College Physics I

## Marketable Skills

- Knowledge of principles and methods for describing the features of land, sea, and air masses, including their physical characteristics, locations, interrelationships, and the historical distribution of plant, animal, and human life.
- Collect, organize/analyze data and effectively manage time.
- Interpret results to write reports and summaries of findings.
- Use scientific reasoning to identify strengths/weaknesses and develop alternative solutions to problems.
- Use computers and software to process and present data.
- Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
- Manipulation and analysis of a variety of mathematical data.
- Work collaboratively with others and be an active listener.

## Program Outcomes

- Demonstrate mastery of the processes of science, the scientific method and established scientific knowledge.
- Demonstrate knowledge of basic terminology and understanding of major science concepts.
- Use appropriate laboratory techniques and equipment safely and proficiently.

## High School Endorsements

STEM

## Expected Salary

**Texas wage data:** workers on average earn \$90,980; 10% of workers earn \$45,320 or less; 10% of workers earn \$195,630 or more.  
**US wage data:** workers on average earn \$93,800; 10% of workers earn \$57,040 or less; 10% of workers earn \$156,270 or more.

## Transfer Path/Requirements

For Texas A&M-Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M-Commerce.
- No more than 60-66 SCH from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the Geology major, 10 advanced courses are required by TAMU-Commerce: GEOL 312 (Structural / Tectonics) plus nine courses in geochemistry, field methods, mineralogy, historical geology, and geophysics.
- Required support courses include two in university physics and a summer field geology capstone.

## Career Opportunities

**BS Minimum:** Environmental Scientist / Specialist; Secondary School Teacher; Geoscientist; Geographer Soil / Plant Scientist; Hydrologist; Geological Technician; Surveyor; Cartographers; Photogrammetrist; Mining Consultant; Safety Engineer; Surveying and Mapping Technician.  
**MS Minimum:** Petroleum Engineer; Mine Engineer; Planning Engineer; Mining / Geological Engineer; Geology Professor.