



Geology

AS (60 SCH*)

*Semester Credit Hour 8/2020

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
SOCI 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

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.

Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.

Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.

Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.

Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

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.

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-CS: GEOL 312 (Structural/Tectonics) plus 9 courses in geochemistry, field methods, mineralogy, historical geology, and geophysics.
- Required support courses include 2 in university physics and a summer field geology capstone.

High School Endorsements

STEM

Career Opportunities

Environmental scientist / specialist; Secondary school teacher; Geoscientist; Geographer; Soil / Plant scientist; Hydrologist; Petroleum engineer; Geological technician; Surveyor; Cartographers; Photogrammetrist; Petroleum technicians; Mining / Geological engineer; Physical sciences teacher (postsecondary); Surveying and Mapping technician.