



Associate of Science in Geology to  
Bachelor of Science in Geoscience  
Geology Concentration †  
**Guided Pathway**  
Effective for the 2019-2020 Catalog



**First Year – Paris Junior College**

FIRST SEMESTER	SECOND SEMESTER
EDUC/PSYC 1300 – Learning Framework	°ARTS 1301 – Art Appreciation (050)
°ENGL 1301 – Composition I (010)	COSC 1301 – Introduction to Computing
°GEOL 1403 – Physical Geology (030)	°ENGL 1302 – Composition II (010)
°HIST 1301 – United States History I (060)	°GEOL 1404 – Historical Geology (030)
°MATH 1314 – College Algebra (020)	°HIST 1302 – United States History II (060)

Total Semester Hours: 16

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**Second Year – Paris Junior College**

It's best to apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
BIOL 1407 – Biology for Science Majors II	CHEM 1412 – General Chemistry II
CHEM 1411 – General Chemistry I	°GOVT 2306 – Texas Government (070)
°GOVT 2305 – Federal Government (070)	°HIST 2321 – World Civilizations I (040)
°SOCI 1301 – Introductory Sociology (030)	PHYS 1401 – College Physics I

Total Semester Hours: 14

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**AS: Geology**

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

**These courses may be taken at Paris Junior College or TSU**

MATH 1316 – Trigonometry <b>OR</b>	MATH 1316 Trigonometry <b>OR</b>
MATH 2413 – Calculus I <b>OR</b>	MATH 2413 Calculus I <b>OR</b>
MATH 2414 – Calculus II	MATH 2414 Calculus II
BIOL 1406 – General Biology (BIOL 1306+1106)	°Communication Core Elective
GEOL 1407 – Intro to Environmental Science (GEOL 1305+1105 or GEOL 1405)	

Total Semester Hours: 18-19

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
GEOL 4305 – Field Geology (Fall Even Years)	EASC 3330 – Meteorology (Spring Even Years)
GEOL 3405 – Paleontology (Fall Even Only) <b>OR</b>	GEOL 3405 – Paleontology (Fall Even Only) <b>OR</b>
GEOL 3406 – Igneous and Metamorphic Petrol (Spring Odd Only) <b>OR</b> GEOL 3412 – Structural Geology (Spring Odd Years) <b>OR</b>	GEOL 3406 – Igneous and Metamorphic Petrol (Spring Odd Only) <b>OR</b> GEOL 3412 – Structural Geology (Spring Odd Years) <b>OR</b>
GEOL 3413 – Stratigraphy and Sedimentology (Spring Odd Only) <b>OR</b>	GEOL 3413 – Stratigraphy and Sedimentology (Spring Odd Only) <b>OR</b>
GEOL 3314 – Geochemistry (Fall Even Years) <b>OR</b>	GEOL 3314 – Geochemistry (Fall Even Years) <b>OR</b>
GEOL 3320 – Hydrogeology (Fall Even Years) <b>OR</b>	GEOL 3320 – Hydrogeology (Fall Even Years) <b>OR</b>
GEOL 4311 – Economic Geology (Fall Odd Years) <b>OR</b>	GEOL 4311 – Economic Geology (Fall Odd Years) <b>OR</b>
GEOL 4312 – Petroleum Subsurface Geology (Fall Odd Years)	GEOL 4312 – Petroleum Subsurface Geology (Fall Odd Years)
EASC 2451 – Intro to GIS	Advanced Elective
EASC 3340 – Oceanography (Fall Odd Years)	Advanced Elective
GEOL 3400 – Crystallography and Mineralogy	

Total Semester Hours: 14

Total Semester Hours: 12

**Fourth Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
GEOL 3310 – Geomorphology (Fall Odd Years)	EASC 4313 – Environmental Techniques (Spring Only)
EASC 3320 – Astronomy (Fall Odd Years)	Advanced Elective
GEOL 3405 – Paleontology (Fall Even Only) <b>OR</b>	Advanced Elective
GEOL 3406 – Igneous and Metamorphic Petrol (Spring Odd Only) <b>OR</b> GEOL 3412 – Structural Geology (Spring Odd Years) <b>OR</b>	
GEOL 3413 – Stratigraphy and Sedimentology (Spring Odd Only) <b>OR</b>	
GEOL 3314 – Geochemistry (Fall Even Years) <b>OR</b>	
GEOL 3320 – Hydrogeology (Fall Even Years) <b>OR</b>	
GEOL 4311 – Economic Geology (Fall Odd Years) <b>OR</b>	
GEOL 4312 – Petroleum Subsurface Geology (Fall Odd Years)	

Total Semester Hours: 9-10

Total Semester Hours: 12

**TOTAL: 125**

**This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.**

Part-time students may also follow this sequence. Developmental coursework may be required.

\* You may take a different course to meet this requirement. A specific list is available from your advisor.

° This course counts for the Core Curriculum at any public college or university in Texas.

() Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.

† Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.

For questions about the university portion of this pathway, contact the Department of Chemistry, Geosciences, and Physics at 254-968-9953.