



AS Geology to
Bachelor of Science in Geoscience
Geology Concentration ^T
Guided Pathway
Effective for the 2019-2020 Catalog



First Year – Central Texas College

FIRST SEMESTER	SECOND SEMESTER
^C MATH 1414	GEOL 1404 Historical Geology
GEOL 1403 Physical Geology	^C SPCH 1315, 1318 or 1321
^C ENGL 1301 Composition I	^C HIST 1302 United States History II
^C HIST 1301 United States History I	CHEM 1411 College Chemistry I
MATH 2412 Pre-Calculus <u>OR</u> MATH 2413 Calculus I <u>OR</u> MATH 2414 Calculus II	^C ENGL 1302 – Composition II

Total Semester Hours: 14

Total Semester Hours: 17

Second Year – Central Texas College

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

FIRST SEMESTER	SECOND SEMESTER
GEOL 1405 or ENVR 1401	^C PHYS 1401 College Physics I
^C CHEM 1412 College Chemistry II	^C GOVT 2306 Texas Government
^C GOVT 2305 Federal Government	^C *Language/Philosophy/Culture Studies
^C *Creative Arts Selection	^C *Social/Behavioral Science Selection
	^C *Component Area Option

Total Semester Hours: 14

Total Semester Hours: 16

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 completed at CTC (if offered) or TSU

MATH 2412 Pre-Calculus <u>OR</u> MATH 2413 Calculus I <u>OR</u> MATH 2414 Calculus II	BIOL 1407 – Biology for Science Majors II (BIOL 1307+1107) <u>OR</u> PHYS 1402 – College Physics II (PHYS 1302+1102) <u>OR</u> PHYS 2426 – University Physics II (PHYS 2326+2126)
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Total Semester Hours: 8

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
GEOL 4305 – Field Geology (Fall Even Years)	GEOL 3412 – Structural Geography (Spring Odd Years)
GEOL 3310 – Geomorphology (Fall Odd Years) <u>OR</u> GEOL 3314 – Geochemistry (Fall Even Years) <u>OR</u> GEOL 3320 – Hydrogeology (Fall Even Years) <u>OR</u> GEOL 4311 – Economic Geology (Fall Odd Years) <u>OR</u> GEOL 4312 – Petroleum Subsurface Geology (Fall Odd Years)	GEOL 3310 – Geomorphology (Fall Odd Years) <u>OR</u> GEOL 3314 – Geochemistry (Fall Even Years) <u>OR</u> GEOL 3320 – Hydrogeology (Fall Even Years) <u>OR</u> GEOL 4311 – Economic Geology (Fall Odd Years) <u>OR</u> GEOL 4312 – Petroleum Subsurface Geology (Fall Odd Years)
EASC 2451 – Intro to GIS	Advanced Elective
GEOL 3405 – Paleontology (Fall Even Years)	Advanced Elective

Total Semester Hours: 14

Total Semester Hours: 13

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
Advanced Elective	EASC 4313 – Environmental Techniques (Spring Only)
GEOL 3400 – Crystallography and Mineralogy	Advanced Elective
GEOL 3310 – Geomorphology (Fall Odd Years) <u>OR</u> GEOL 3314 – Geochemistry (Fall Even Years) <u>OR</u> GEOL 3320 – Hydrogeology (Fall Even Years) <u>OR</u> GEOL 4311 – Economic Geology (Fall Odd Years) <u>OR</u> GEOL 4312 – Petroleum Subsurface Geology (Fall Odd Years)	GEOL 3406 - Igneous and Metamorphic Petrol (Spring Odd Years) GEOL 3413 – Stratigraphy and Sedimentology (Spring Odd Years)

Total Semester Hours: 10

Total Semester Hours: 14

TOTAL: 120

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.

^C 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.

^T Degree availability varies by campus; consult 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.