



AA/AS General Studies
Geology Emphasis
Bachelor of Science in Geoscience
Geology Concentration ^T
Guided Pathway



Effective beginning with the 2020-2021 catalog

First Year - Collin College

(Developmental coursework may be required.)

FIRST SEMESTER	SECOND SEMESTER
^c ENGL 1301 Composition I ^c Mathematics (see list below) – 3 hours (TSU requires MATH 2412 Pre-Calculus <u>OR</u> MATH 2413 Calculus I <u>OR</u> MATH 2414 Calculus II)	^c ENGL 1302 Composition II (or ENG 2311) ^c Related Elective (see list below) - 4 (TSU requires MATH 2412 Pre-Calculus <u>OR</u> MATH 2413 Calculus I <u>OR</u> MATH 2414 Calculus II)
^c Speech (see list below) – 3 hours ^c History (see list below) – 3 hours	^c Lang, Phil, & Culture (see list below) - 3 hours ^c History (see list below) – 3 hours
^c Related Elective (see list below) - 4 hours (TSU requires CHEM 1411 – College Chemistry I (CHEM 1311+1111))	^c Related Elective (see list below) - 4 hours (TSU requires CHEM 1412 – College Chemistry II (CHEM 1312+1112))

Second Year - Collin College

Apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
^c GOVT 2305 Federal Government ^c Related Elective (see list below) - 4 hours (TSU requires PHYS 2425 – University Physics I (PHYS 2325+2125))	^c GOVT 2306 Texas Government ^c Creative Arts (see list below) – 3 hours
^c Social/Behavioral Science (see list below) -3 hours Related Elective (see list below) - 4 hours	Related Elective (see list below) - 4 hours (TSU requires PHYS 2426 – University Physics II (PHYS 2326+2126)) Related Elective (see list below) - 4 hours (TSU requires GEOL 1404 – Historical Geology (GEOL 1304+1104))

AA in General Studies

Contact your advisor at Collin College for information about applying for your Associate's degree.

These courses may be taken at Collin College or TSU

^c Math Core Elective	General Elective
^c First Year Seminar Elective (Learning Frameworks)	

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
GEOL 4305 – Field Geology (Fall Even 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 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)
EASC 2451 – Intro to GIS GEOL 3405 – Paleontology (Fall Even Years)	Advanced Elective Advanced Elective

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
Advanced Elective GEOL 3400 – Crystallography and Mineralogy 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 4313 – Environmental Techniques (Spring Only) Advanced Elective GEOL 3406 - Igneous and Metamorphic Petrol (Spring Odd Years) GEOL 3413 – Stratigraphy and Sedimentology (Spring Odd Years)

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.

Mathematics – AS degree MUST choose TWO from: MATH 1314, 1414, 1316, 1342, 2305, 2318, 2320, 2412, 2413, 2414, 2415. AA degree may choose ONE from above or ONE from: MATH 1324, 1325, 1332, 1350, 1351

Speech – choose one from: SPCH 1311, 1315, or 1321

History – choose two from: HIST 1301, 1302, 2301

Language, Philosophy, & Culture - choose one from: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2342, 2343, HIST 2311, 2312, 2321, 2322, HUMA 1301, PHIL 1301, 1304, 2303, 2306, 2307, 2321

Social and Behavioral Sciences – choose one from: ANTH 2302, 2346, 2351, ECON 2301, 2302, PSYC 2301, SOCI 1301, 1306

Creative Arts - choose one from: ARTS 1301, 1303, 1304, 1313, DANC 2303, DRAM 1310, 2361, 2362, 2366, MUSI 1306, 1307, 1310

Related Electives - choose at least 18 hours from (second math course can be from this category for AS):

GEOL 1305 Environmental Science-Natural Disasters BIOL 2406 Environmental Biology MATH 1342 Elementary Statistical Methods

GEOL 1445 Oceanography ENGL 2311 Technical & Business Writing

GEOL 1447 Introduction to Meteorology ENVR 1401 Environmental Science I

BIOL 2406 Environmental Biology

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