



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



Effective beginning with the 2019-2020 catalog

First Year - Collin College

(Developmental coursework may be required.)

FIRST SEMESTER	SECOND SEMESTER
^C ENGL 1301 Composition I	^C ENGL 1302 Composition II (or ENG 2311)
^{*C} MATH 2412 – Pre-Calculus	MATH 2413 – Calculus I
^C Speech (see list below) – 3 hours	^C Lang, Phil, & Culture (see list below) - 3 hours
^C History (see list below) – 3 hours	^C History (see list below) – 3 hours
^{*C} CHEM 1411 – College Chemistry I (CHEM 1311+1111)	^{*C} CHEM 1412 – College Chemistry II (CHEM 1312+1112)
17 credit hours	17 credit hours

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 GOVT 2306 Texas Government
GEOL 1403 – Physical Geology (GEOL 1303+1103)	^C Creative Arts (see list below) – 3 hours
^C Social/Behavioral Science (see list below) -3 hours	PHYS 2426 – University Physics II (PHYS 2326+2126)
PHYS 2425 – University Physics I (PHYS 2325+2125)	MATH 2414 – Calculus II
14 credit hours	14 credit hours

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} First Year Seminar Elective (Learning Frameworks)	GEOL 1407 – Intro to Environmental Science (GEOL 1307+1107)
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Total Semester Hours: 5-7

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
GEOL 3320 – Hydrogeology (Fall Even Years)	SOIL 3301 – Soil Science AND SOIL 3101 – Soil Science Laboratory
EASC 2451 – Intro to GIS	MATH 3450 – Principles of Bio-Statistics
GEOL 4305 – Field Geology (Fall Even Years)	CHEM 2423 – Organic Chemistry I OR CHEM 3407 – Quantitative Analysis (Fall Only) OR CHEM 4408 – Instrumental Analysis (Spring Only) OR CHEM 4477 – Environmental Chemistry (Fall Even Years)
GEOL 3314 – Geochemistry (Even Years)	

Total Semester Hours: 13

Total Semester Hours: 12

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
CHEM 2423 – Organic Chemistry I OR CHEM 3407 – Quantitative Analysis (Fall Only) OR CHEM 4408 – Instrumental Analysis (Spring Only) OR CHEM 4477 – Environmental Chemistry (Fall Even Years)	EASC 4313 – Environmental Techniques
GEOL 3400 – Crystallography and Mineralogy	GEOL 3413 – Stratigraphy and Sedimentology
GEOL 3310 – Geomorphology (Fall Odd Years)	GEOL 3406 – Igneous and Metamorphic Petrol
Advanced Elective	EASC 3350 – Environmental Science (Spring Odd Years)

Total Semester Hours: 14

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.*

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