



AS General Studies – Environmental Science Emphasis to
Bachelor of Science in Environmental Science
With a Soil Science Concentration †
Guided Pathway
Effective for the 2021-2022 Catalog



First Year – Collin College

FIRST SEMESTER	SECOND SEMESTER
^c ENGL 1301 Composition I	^c ENGL 1302 Composition II (or ENG 2311)
^c Mathematics (see list below) (TSU requires MATH 2412 – Precalculus)	Elective (TSU requires MATH 1342 – Elementary Statistical Methods)
^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 ENVR 1401 Environmental Science I	^c ENVR 1402 Environmental Science II
Total Semester Hours: 16	Total Semester Hours: 17

Second Year – Collin College

It's best to 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
^c Related Elective (see list below) - 4 hours (TSU requires BIOL 1406 – Biology for Science Majors)	^c Creative Arts (see list below) – 3 hours
^c Social/Behavioral Science (see list below) - 3 hours (TSU requires PHIL 2303 – Introduction to Logic)	Related Elective (see list below) - 4 hours (TSU requires BIOL 1407 – Biology for Science Majors II)
Related Elective (see list below) - 4 hours (TSU requires CHEM 1411 – College Chemistry I)	Related Elective (see list below) - 4 hours (TSU requires GEOL 1403 – Physical Geology)
Total Semester Hours: 14	Total Semester Hours: 14

AS: General Studies – Environmental Science Emphasis

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 CC (if offered) or TSU

^c CHEM 1412 – College Chemistry II	GEOL 1407 – Introduction to Environmental Science <u>or</u> AGRI 1407 – Agronomy and Agronomy Laboratory
Total Semester Hours: 4	Total Semester Hours: 4

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
WSES 2405 – Ecology for Natural Resource Managers	EASC 4313 – Environmental Techniques <u>or</u> WSES 4313 – Vegetation Measurement, Inventory, & Monitoring <u>or</u> EASC 3350 – Environmental Science
ENVS 2451 – Introduction to Geographic Information Systems	SOIL 3412 – Soil Genesis, Morphology, and Classification Environmental Science
ENGL 3309 – Technical Writing & Document Design	SOIL 4450 – Soil Nutrient Cycling
Advanced Advised Elective	WSES 3320 – Watershed Management <u>or</u> WSES 3313 – Plant Diversity and Conservation <u>or</u> WSES 4303 – Ecological Restoration of Plant Communities
SOIL 2112 – Soil Morphology	
Total Semester Hours: 15	Total Semester Hours: 14

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
POLS 3310 – Environmental Politics <u>or</u> POLS 4311 – Environmental Law	ENVS 4084 – Internship <u>or</u> ENVS 4088 – Undergraduate Research <u>or</u> ENVS 4340 – Natural Resource Field Studies <u>or</u> WSES 4084 – Internship <u>or</u> WSES 4088 – Undergraduate Research <u>or</u> WSES 4342 – Field Study Abroad <u>or</u> WSES 4340 – Natural Resource Field Studies
ENVS 4187 – Environmental Science Capstone <u>OR</u> WSES 4187 – Senior Capstone Seminar	SOIL 4212 – Soil Ecology
Advanced Advised Elective	WSES 3406 – Wildland Plant Identification and Ecology <u>or</u> WSES 3408 – Dendrology and Woody Plant Identification <u>or</u> BIOL 3407 – Microbiology
SOIL 3301 – Soil Science <u>and</u> SOIL 3101 – Soil Science Laboratory	SOIL 4213 – Soil Physical Properties
GEOL 3314 – Geochemistry <u>or</u> CHEM 3314 – Geochemistry	ENVS 3302 – Soils, Land Use, and the Environment
Total Semester Hours: 14	Total Semester Hours: 14

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.

^c 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.

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

[†] Degree availability varies by campus; consult www.tarleton.edu for more information.

Collin Options:

Mathematics – MATH 1314, 1316, 1342, 2305, 2318, 2320, 2412, 2413, 2414, 2415.

Language, Philosophy, & Culture – ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, HIST 2311, 2312, 2321, 2322, HUMA 1301, PHIL 1301, 1304, 2303, 2306, 2307, 2321

Creative Arts – ARTS 1301, 1303, 1304, 1313, DANC 2303, DRAM 1310, 2361, 2362, 2366, MUSI 1306, 1307, 1310

American History – HIST 1301, 1302, 2301

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

Speech – SPCH 1311, 1315, 1321

*Electives –

BIOL 1406 – Biology for Science Majors I

BIOL 1407 – Biology for Science Majors II

BIOL 2406 – Environmental Biology

CHEM 1411 – General Chemistry I

GEOL 1403 – Physical Geology

GEOL 1445 – Oceanography

GEOL 1447 – Introduction to Meteorology

MATH 1342 – Elementary Statistical Methods

MATH 2413 – Calculus I

PHYS 1401 – College Physics I