



AA/AS General Studies
 Environmental Science Emphasis to
 Bachelor of Science in Environmental Science
 Soil Science Concentration †
Guided Pathway
 Effective beginning with the 2019-2020 catalog



First Year - Collin College

(Developmental coursework may be required.)

FIRST SEMESTER	SECOND SEMESTER
◌ ENGL 1301 Composition I	◌ ENGL 1302 Composition II (or ENG 2311)
◌ MATH 2412 – Precalculus Math	◌ BIOL 1406 (BIOL 1306 & 1106) – Biology for Science Majors
◌ Speech (see list below) – 3 hours	◌ Lang, Phil, & Culture (see list below) - 3 hours
◌ History (see list below) – 3 hours	◌ History (see list below) – 3 hours
◌ ENVR 1401 Environmental Science I	◌ ENVR 1402 Environmental Science II

Total Semester Hours: 17

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
◌ GOVT 2305 Federal Government	◌ GOVT 2306 Texas Government
◌ BIOL 1407 (BIOL 1307 & 1107) – Biology for Science Majors II	◌ Creative Arts (see list below) – 3 hours
◌ Social/Behavioral Science (see list below) -3 hours	◌ MATH 1342 – Elementary Statistical Methods
◌ CHEM 1411 (CHEM 1311+1111) – College Chemistry I	◌ GEOL 1403 (GEOL 1303+1103) – Physical Geology

Total Semester Hours: 14

Total Semester Hours: 13

AA in General Studies

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

These courses may be completed at CC or TSU

◌ First Year Seminar Elective (Learning Frameworks)	AGRI 1307 – Agronomy AND AGRI 1107 – Agronomy Laboratory OR GEOL 1407 (GEOL 1305+1105 or GEOL 1405) – Introduction to Environmental Science
◌ CHEM 1412 (CHEM 1312+1112) – College Chemistry II	

Total Semester Hours: 9

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
WSES 2405 – Ecology for Natural Resource Managers	EASC 4313 – Environmental Techniques OR WSES 4313 – Vegetation Measurement, Inventory, & Monitoring OR 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 Elective	WSES 3320 – Watershed Management OR WSES 3313 – Plant Diversity and Conservation OR WSES 4303 – Ecological Restoration of Plant Communities
SOIL 2112 – Soil Morphology	

Total Semester Hours: 15

Total Semester Hours: 14

SUMMER

ENVS 4084 – Internship OR ENVS 4088 – Undergraduate Research OR ENVS 4340 – Natural Resource Field Studies OR WSES 4084 – Internship OR WSES 4088 – Undergraduate Research OR WSES 4342 – Field Study Abroad OR WSES 4340 – Natural Resource Field Studies	
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Total Semester Hours: 3

Fourth Year – Tarleton State University

For questions about the university portion of this pathway, contact the Wildlife, Sustainability & Ecosystem Sciences department at 254-968-9221.

FIRST SEMESTER	SECOND SEMESTER
GEOL 3314 – Geochemistry <u>OR</u> CHEM 3314 – Geochemistry	POLS 3310 – Environmental Politics <u>OR</u> POLS 4311 – Environmental Law
ENVS 4187 – Environmental Science Capstone <u>OR</u> WSES 4187 – Senior Capstone Seminar	SOIL 4212 – Soil Ecology
Advised Elective ¹	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
SOIL 3302 – Land Use <u>OR</u> ENVS 3302 – Land Use	SOIL, ENVS, WSES, GEOL Advanced Elective

Total Semester Hours: 14

Total Semester Hours: 14

Total Degree Hours: 130

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 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.

¹Select from the following:

WSES 3315 – Sustainability
WSES 3323 – Ethical Issues in Agriculture and the Natural Resources
WSES 3305 – GIS for Natural Resource Scientists
WSES 3320 – Watershed Management
WSES 3406 – Wildland Plant Identification and Ecology
WSES 3375 – Population, Pollution, and Resource Depletion
WSES 4306 – Water Resources Policy and Management
WSES 4309 – Plant-Animal Interactions
CHEM 2323 & 2123 – Organic Chemistry I and Lab
CHEM 4477 – Environmental Chemistry
GEOL 1404 – Historical Geology
GEOL 1407 – Introduction to Environmental Science
GEOL 3400 – Crystallography and Mineralogy
POLS 4310 – International Environmental Issues
POLS 4311 – Environmental Law
BIOL 3420 – Plant Pathology
BIOL 3436 – Plant Physiology

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