



**AA/AS General Studies**  
**Environmental Science Emphasis to**  
**Bachelor of Science in Environmental Science**  
**Soil Science Concentration <sup>T</sup>**  
**Guided Pathway**



Effective beginning with the 2020-2021 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)
° Mathematics (see list below) – 3 hours (TSU requires MATH 1342 – Elementary Statistical Methods)	° Related Elective (see list below) - 4 hours (TSU requires MATH 2412 – Pre-calculus Math)
° 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

**Second Year - Collin College**

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

FIRST SEMESTER	SECOND SEMESTER
° GOVT 2305 Federal Government	° GOVT 2306 Texas Government
° Related Elective (see list below) - 4 hours (TSU requires BIOL 1406 (BIOL 1306 & 1106) – Biology for Science Majors)	° Creative Arts (see list below) – 3 hours
° 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 (BIOL 1307 & 1107) – Biology for Science Majors II)
Related Elective (see list below) - 4 hours (TSU requires CHEM 1411 (CHEM 1311+1111) – College Chemistry I)	Related Elective (see list below) - 4 hours (TSU requires GEOL 1403 (GEOL 1303+1103) – Physical Geology)

**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	
°CHEM 1412 (CHEM 1312+1112) – College Chemistry II	GEOL 1407 (GEOL 1305+1105) – Introduction to Environmental Science <b>OR</b> AGRI 1307 & 1107 (AGRI 1407) – Agronomy and Agronomy Laboratory

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
WSES 2405 – Ecology for Natural Resource Managers	EASC 4313 – Environmental Techniques <b>OR</b> WSES 4313 – Vegetation Measurement, Inventory, & Monitoring <b>OR</b> 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 Advanced Advised Elective	SOIL 4450 – Soil Nutrient Cycling WSES 3320 – Watershed Management <b>OR</b> WSES 3313 – Plant Diversity and Conservation <b>OR</b> WSES 4303 – Ecological Restoration of Plant Communities
SOIL 2112 – Soil Morphology	

**Fourth Year – Tarleton State University**

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

**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.

° 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.

<sup>T</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://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):

BIOL 1406 Biology for Science Majors I	GEOL 1403 Physical Geology	MATH 1342 Elementary Statistical Methods
BIOL 1407 Biology for Science Majors II	GEOL 1445 Oceanography	MATH 2413 Calculus I
BIOL 2406 Environmental Biology	GEOL 1447 Introduction to Meteorology	PHYS 1401 College Physics I
CHEM 1411 General Chemistry I		

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