



AA/AS General Studies

Environmental Science Emphasis to Bachelor of Science in Environmental Science Geospatial Information Science Concentration^T

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

GEOL 1407 (GEOL 1305+1105) – Introduction to Environmental Science **OR**
AGRI 1307 & 1107 (AGRI 1407) – Agronomy and Agronomy Laboratory

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENVS 3305 – GIS for Natural Resource Scientists	GEOG 3451 – Advanced Geographic Information Systems
ENVS 2451 – Introduction to Geographic Information Systems	Life Science Advanced Advised Elective
WSES 2405 – Ecology for Natural Resource Managers	ENGL 3309 – Technical Writing & Document Design
EASC 3360 – Remote Sensing	POLS 3310 – Environmental Politics OR POLS 4311 – Environmental Law

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
WSES 3406 – Wildland Plant Identification and Ecology OR WSES 3408 – Dendrology and Woody Plant Identification (Spring Only) OR BIOL 3407 – Microbiology	EASC 3350 – Environmental Science OR EASC 4313 – Environmental Techniques OR WSES 4313 – Vegetation Measurement, Inventory, & Monitoring OR SOIL 3412 – Soil Genesis, Morphology, and Classification
ENVS 4187 – Environmental Science Capstone OR WSES 4187 – Senior Capstone Seminar	WSES 3320 – Watershed Management OR WSES 3313 – Plant Diversity and Conservation OR WSES 4303 – Ecological Restoration
Physical Science Advanced Advised Elective	Environmental & Society Advanced Requirement
SOIL 3301 – Soil Science AND SOIL 3101 – Soil Science Laboratory	ENVS 4084 – Internship OR ENVS 4088 – Undergraduate Research OR ENVS 4340 – Natural Resource Field Studies OR WSES 4084 – Internship in the Natural Resource Sciences OR WSES 4088 – Undergraduate Research in the Natural Resource Sciences OR WSES 4342 – Field Study Abroad OR WSES 4340 – Natural Resource Field Studies
ENVS 3302 OR SOIL 3302 – Soils, Land Use, and the Environment	Advised Advanced Elective
GEOG 4451 – Applied Remote Sensing	BCIS 3333 – C# Programming

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.

^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):

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.*