**West Texas A&M University**
**Advising Services**
**Degree Checklist**
**2026-2027**
**(For assistance completing this form, contact Advising Services at 806-651-5300)**

**NAME:**_____ **WT ID:**_____ **DATE:**_____

## Environmental Science – Option I
## Department of Natural Sciences
## NSB 106 (806) 651-2940

## Bachelor of Science Degree
## BS.ENVIR.SCIENCE (105)

| CORE CURRICULUM COURSES: 42 HOURS ♦ | HRS | |
|---|---|---|
| **Communication (Core 10)** | | |
| ENGL 1301 Intro. to Academic Writing & Argumentation **OR** ENGL 1311 Writing About Ideas | 3 | |
| COMM 1315, 1318, or 1321 | 3 | |
| **Mathematics (Core 20)** | | |
| See **University Core Requirements** below | (3) | |
| **Life and Physical Sciences (Core 30)** | | |
| See **University Core Requirements** below | (6) | |
| **Language, Philosophy and Culture (Core 40)** | | |
| ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311*, 2312*/**, 2313*, 2315*, or 2371 **Choose 1** | 3 | |
| **Creative Arts (Core 50)** | | |
| ARTS 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307 (for music majors), 1310; or THRE 1310 **Choose 1** | 3 | |
| **American History (Core 60)** | | |
| HIST 1301, 1302, 2301, 2381, or 2382 **Choose 2** | 6 | |
| **Government/Political Science (Core 70)** | | |
| POSC 2305 and 2306 | 6 | |
| **Social and Behavioral Sciences (Core 80)** | | |
| AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; GEOG 1302; PSYC 2301; SOCI 1301 **Choose 1** | 3 | |
| **Component Area Option (Core 90)** | | |
| See **University Core Requirements** below | (6) | |
| **ENVIRONMENTAL SCIENCE MAJOR REQUIREMENTS: 93 HOURS** **A grade of "C" or better must be earned in all courses required for major.** | | |
| **UNIVERSITY CORE REQUIREMENTS: 15 HOURS ♦** | | |
| **CORE 20** MATH 1316* or MATH 2412*[3] | 3 | |
| **CORE 30** BIOL 1406, 1406L Basic and Contemporary Biology I | 3 | |
| **CORE 30** ENVR 1407*, 1407L Fundamentals of Environmental Science **or** BIOL 1407*, 1407L Basic and Contemporary Biology II | 3 | |
| **CORE 90** ENGL 1302* Academic Writing & Research **OR** ENGL 2311* Intro. to Professional & Technical Comm. | 3 | |
| **CORE 90** BIOL 1406L[1] and ENVR 1407L or BIOL 1407L[1]L[1]; **and** Fourth hour from MATH 2412[1], fourth hour from other Core 30 course, or IDS 1071 | 3 | |
| **ENVIRONMENTAL SCIENCE CORE: 63-69 HOURS** | | |
| BIOL 2420*, 2420L Applied Microbiology **OR** BIOL 2572*, 2572L Microbiology | 4-5 | |
| BIOL 3418, 3418L Wildland Soils | 4 | |
| BIOL 4416***, 4416L Introductory Biometry | 4 | |
| CHEM 1411*, 1411L Chemistry I | 4 | |
| CHEM 1412*, 1412L Chemistry II | 4 | |
| CHEM 2533*, 2533L Elem. Organic Chemistry **(preferred)** CHEM 2423*, 2423L Organic Chemistry I CHEM 3511*, 3511L Analytical Chemistry **Choose 1** | 4-5 | |

| | | |
|---|---|---|
| GEOL 1403, 1403L Physical Geology | 4 | |
| GEOL 3325* Environmental Geology | 3 | |
| GEOL 3350*, 3350L Hydrogeology | 3 | |
| GEOL 3471*, 3471L Mineralogy | 4 | |
| GESC 3308 Environment and Man **OR** BIOL 4310, 4210L General Ecology | 3-5 | |
| ENVR 3434*, 3434L Numerical Methods Env. Science **OR** MATH 2413* Calculus I | 4 | |
| ENVR 4098* Internship in Environmental Science | 1-3 | |
| ENVR 4111* Seminar | 1 | |
| ENVR 4302 Environmental Law | 3 | |
| ENVR 4305, 4305L Intro. to Geographic Info. Systems | 3 | |
| ENVR 4306, 4306L Hazardous Waste Site Assessment | 3 | |
| ENVR 4377 Toxicology | 3 | |
| ENVR 4404, 4404L Envir. Sampling & Interpretation | 4 | |
| **ENVIRONMENTAL SCIENCE ELECTIVES: 9-15 HOURS** | | |
| **Take 9-15 credit hours (to total 120) from:** AGRI 3318* Agricultural Statistics **OR** MATH 3360* Statistical Methods **(Recommended take before BIOL 4416)** ECON 4355* Envir. and Natural Resource Economics GESC 3303* Oceanography GEOG/GESC 3313 Meteorology GEOL 4401*, 4401L Sedimentology and Stratigraphy ENVR 4095* Problems (1-6 hours) ENVR 4301* Prep. of Environmental Impact Statements ENVR 4311 Modeling Earth and Environmental Systems ENVR 4320* Global Agriculture and the Environment ENVR 4340 Environmental Project Management ENVR 4350*, 4350L Computer Apps. in Hydrogeology | 9-15 | |
| **BACHELOR OF SCIENCE REQUIREMENTS** **Covered by requirements for major.** | **OPTION** | |
| **MINIMUM HOURS REQUIRED TO COMPLETE DEGREE** | **120** | |

* Indicates prerequisites—see catalog for more information.
** Or an equivalent course (second year, second semester) in a foreign language.
*** Option I students must take ENVR 3434 or MATH 2413 prior to BIOL 4416.

**NOTE: This is NOT a degree plan. All undergraduate students must request an official degree plan from their academic dean's office by the time they have completed 30 credit hours.**

# WTAMU ADVISING SERVICES – 2026-2027 Curriculum Guide

**Major: Environmental Science – Option I, B.S.** **BS.ENVIR.SCIENCE (105)**

| Year 1: Fall | | Year 1: Spring | |
|---|---|---|---|
| CORE 10 (Communication) – ENGL 1301 or 1311 | 3 | CORE 30 (Life & Phys. Sci.) – ENVR 1407(preferred) or BIOL 1407 | 3 |
| CORE 20 (Mathematics) – MATH 1316 or 2412 (MATH 1314 if needed) **The 4th hour of MATH 2412 will count toward CORE 90** | 3-4 | CORE 90 (Component Area Option) – BIOL 1407L or ENVR 1407L | 1 |
| CORE 30 (Life & Phys. Sci.) – BIOL 1406 Basic & Contemporary Bioloogy I | 3 | CORE 90 (Component Area Option) – ENGL 1302, 1312 or 2311 | 3 |
| CORE 90 (Component Area Option) – BIOL 1406L | 1 | CHEM 1411/1411L Chemistry I | 4 |
| CORE 60 – See checklist for options[1] | 3 | CORE 50 – See checklist for options[1] | 3 |
| Total: | 13-14 | Total: | 14 |
| **Year 2: Fall** | | **Year 2: Spring** | |
| Environmental Science Core (see checklist for required courses) | 3-4 | Environmental Science Core (see checklist for required courses) | 3-4 |
| GEOL 1403/1403L Physical Geology | 4 | Environmental Science Core (see checklist for required courses) | 3-4 |
| CHEM 1412/1412L Chemistry II | 4 | BIOL 2572 Microbiology **or** 2420 Applied Microbiology | 4-5 |
| CORE 40 – See checklist for options[1] | 3 | CORE 60 – See checklist for options[1] | 3 |
| CORE 70 - POSC 2305 | 3 | CORE 70 – POSC 2306 | 3 |
| Total: | 16-18 | Total: | 17-18 |
| **Year 3: Fall** | | **Year 3: Spring** | |
| Environmental Science Core (see checklist for required courses) | 3-4 | Environmental Science Core (see checklist for required courses) | 3-4 |
| Environmental Science Core (see checklist for required courses) | 3-5 | Environmental Science Core (see checklist for required courses) | 3-4 |
| Environmental Science Core (see checklist for required courses) | 3-4 | Environmental Science Core (see checklist for required courses) | 3-4 |
| CORE 10 – COMM See checklist for options[1] | 3 | Environmental Science Elective | 3-4 |
| | | CORE 80– See checklist for options[1] | 3 |
| Total: | 12-16 | Total: | 15-18 |
| **Year 4: Fall** | | **Year 4: Spring** | |
| Environmental Science Core (see checklist for required courses) | 3-4 | Environmental Science Core (see checklist for required courses) | 3-4 |
| Environmental Science Core (see checklist for required courses) | 3-4 | Environmental Science Core (see checklist for required courses) | 3-4 |
| Environmental Science Core (see checklist for required courses) | 3-4 | Environmental Science Core (see checklist for required courses) | 3-4 |
| Environmental Science Core (see checklist for required courses) | 3-4 | Environmental Science Elective | 3-4 |
| Environmental Science Elective | 3-4 | | |
| Total: | 15-18 | Total: | 12-16 |

[1] **CORE:** Environmental Science majors are required to take specific courses for Core 20, Core 30, and Core 90. For all other categories, they may select from any available options (see degree checklist). Apart from the major-specific core requirements, there is no set order in which core courses must be taken.

| Identified Marketable Skills | Top Three Local Employers or Industries/Professional Programs/Possible Career Opportunities |
|---|---|
| | |

**Additional notes:**
- The core curriculum must total exactly 42 hours; excess hours must be moved to the major as an elective or a major requirement and stay within the 120-hour requirement or approved total submitted to the Coordinating Board for degree requirements. Some majors specify particular courses to meet core curriculum requirements when options are available.
- At least 36 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

DISCLAIMER: This curriculum guide should be used in conjunction with the corresponding degree checklist for general planning purposes only. The degree checklist (later a student's official degree plan) should be referred to as the comprehensive list of all courses required for the degree. An official degree plan is required after completing 30 hours. Students should always seek the advice of their academic adviser before scheduling classes.