

**West Texas A&M University
Advising Services
Degree Checklist
2015-2016**

(For assistance completing this form, contact Advising Services at 806-651-5300)

NAME: _____ WT ID: _____ DATE: _____

**Environmental Science
Department of Life, Earth and Environmental
Sciences – ANS 348A 651-2570**

| CORE CURRICULUM COURSES: 42 HOURS ♦ | | HRS |
|---|-----|-----|
| Communication (Code 10) | | |
| ENGL 1301 Introduction to Academic Writing and Argumentation | 3 | |
| COMM 1315, 1318, or 1321 | 3 | |
| Mathematics (Code 20) | | |
| See University Core Requirements below | (3) | |
| Life and Physical Sciences (Code 30) | | |
| See University Core Requirements below | (6) | |
| Language, Philosophy and Culture (Code 40) | | |
| ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*, HIST 2311, 2323, 2372; PHIL 1301, 2374; SPAN 2311*, 2312***, 2313*, or 2315* Choose 1 | 3 | |
| Creative Arts (Code 50) | | |
| ARTS 1303, ARTS 1304; DANC 2303; HUMA 1315; MUSI 1306 or 1208 and 1209* (extra MUSI hour moves to Code 90); OR THRE 1310 Choose 1 | 3 | |
| American History (Code 60) | | |
| HIST 1301, 1302, 2301, 2381 Choose 2 | 6 | |
| Government/Political Science (Code 70) | | |
| POSC 2305 and 2306 | 6 | |
| Social and Behavioral Sciences (Code 80) | | |
| AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; PSYC 2301; SOCI 1301 Choose 1 | 3 | |
| Component Area Option (Code 90) | | |
| See University Core Requirements below | (6) | |
| ENVIRONMENTAL SCIENCE MAJOR REQUIREMENTS: 82-88 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[3] AND 1407*[3] OR BIOL 1411[3] AND 1413[3] | 6 | |
| CORE 90 ENGL 1302* Research and Rhetoric OR ENGL 2311* Introduction to Professional and Technical Communication | 3 | |
| CORE 90 BIOL 1406L[1] and 1407L[1] or 1411L[1] and 1413L[1]; MATH 2412*[1] or IDS 1071 | 3 | |
| ENVIRONMENTAL SCIENCE CORE: 67-73 HOURS | | |
| BIOL 2572*, 2572L Microbiology | 5 | |
| BIOL 4416, 4416L Introductory Biometry | 4 | |
| BIOL 4510, 4510L General Ecology | 5 | |
| Choose two courses from: GEOG/GESC 3313 Meteorology ENVR 4306, 4306L Hazardous Waste Site Assessment GESC 3303* Oceanography ENVR 4404***, 4404L Environmental Sampling and Interpretation BIOL/ENVR 4430, 4430L Introduction to Dendrochronology | 6-8 | |
| GEOL 1403, 1403L Physical Geology | 4 | |

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

| | | |
|---|----------------|--|
| GEOL 1404, 1404L Historical Geology | 4 | |
| GEOL 3325* Environmental Geology | 3 | |
| GEOL 3350*, 3350L Hydrogeology | 3 | |
| CHEM 1411*, 1411L Chemistry I | 4 | |
| CHEM 1412*, 1412L Chemistry II | 4 | |
| CHEM 3310* Environmental Chemistry OR ENVR 4404, 4404L Environmental Sampling and Interpretation | 3-4 | |
| CHEM 3511*, 3511L Analytical Chemistry OR CHEM 2533*, 2533L Elementary Organic Chemistry <i>-CHEM 2533 is preferred.</i> | 5 | |
| ECON 4355* Environmental and Natural Resource Economics OR AGBE 4355* Environmental and Natural Resource Economics | 3 | |
| ENVR 4098* Internship in Environmental Sci. | 1-3 | |
| ENVR 4301* Preparation of Environmental Impact Statements | 3 | |
| ENVR 4302* Environmental Law | 3 | |
| ENVR or related discipline elective | 3-4 | |
| PSES 2411*, 2411L Soils and the Environment OR BIOL 3418, 3418L Wildland Soils | 4 | |
| BACHELOR OF SCIENCE REQUIREMENTS OPTION | | |
| Covered by requirements for major. | | |
| ELECTIVES: 5-11 HOURS BY ADVISEMENT | | |
| ELECTIVES (5-11 HOURS AS NEEDED) ♦ | 5-11 | |
| MINIMUM HOURS REQUIRED TO COMPLETE DEGREE | 120**** | |

♦ NOTE: 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.

* Indicates prerequisites—see catalog for more information.

** Or an equivalent course (second year, second semester) in a foreign language.

*** Cannot be used if taken in place of CHEM 3310.

**** It is possible that the total number of hours required could exceed 120 if additional advanced hours are needed to attain the required 39 advanced hours (e.g. if CHEM 2533 and PSES 2411 are selected for the major requirements).

NOTE: At least 39 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU, and 30 of the final 36 hours counted toward the degree 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.

Note: This is NOT a degree plan. After completing 30 hours, students are encouraged to request an official degree plan in the office of the dean of the College of Agriculture and Natural Sciences, located in the Agriculture and Natural Sciences Building, Room 106 (or call 651-2585). Students who have completed 45 hours will not be allowed to progress without requesting a degree plan.



| First Year | | | | | |
|---------------------------------|-----------------------|---------------------------|---------------------------------|-----------------------|---|
| Fall | | | Spring | | |
| H o u r s 15 | CORE 10-ENGL 1301 | 3 | H o u r s 14 | CORE 90-ENGL | 3 |
| | | | | ENGL 1302 or 2311 | |
| | CORE 20-MATH | 3 | | CORE 30-LAB SCIENCE | 4 |
| | MATH 1316 or 2412 | | | BIOL 1411/L or 1407/L | |
| | CORE 30-LAB SCIENCE | 4 | | GEOL 1404/1404L | 4 |
| | BIOL 1413/L or 1406/L | | | | |
| | GEOL 1403/1403L | 4 | | CORE 50-ARTS | 3 |
| CORE 90-IDS 1071 | 1 | See Checklist for Options | | | |
| Only if MATH 1316 for Core 20 | | | | | |

| Second Year | | | | | |
|---------------------------------|---------------------------|---|---------------------------------|---------------------------|---|
| Fall | | | Spring | | |
| H o u r s 13 | CHEM 1411/1411L | 4 | H o u r s 15 | BIOL 2572/2572L | 5 |
| | | | | | |
| | CORE 40 | 3 | | CORE 80 | 3 |
| | See Checklist for Options | | | See Checklist for Options | |
| | CORE 70-POSC | 3 | | CORE 70-POSC | 3 |
| | 2305 or 2306 | | | 2305 or 2306 | |
| | CORE 10-COMM | 3 | | CHEM 1412/1412L | 4 |
| 1315, 1318 or 1321 | | | | | |

| Third Year | | | | | |
|---------------------------------|--------------------------|---------------------------|---------------------------------|--------------------------|---|
| Fall | | | Spring | | |
| H o u r s 15 | GESC/ENVR REQUIRE | 4 | H o u r s 16 | ENVR 4301 | 3 |
| | Or can be 3 hours | | | | |
| | GEOL 3325 | 3 | | GEOL 3350 | 3 |
| | | | | | |
| | CHEM 3511/L OR 2533/L | 5 | | ENVIR SCIENCE CORE | 4 |
| | CHEM 2533/L is preferred | | | CHEM 3310 or ENVR 4404/L | |
| | CORE 60-HIST | 3 | | GESC/ENVR REQUIRE | 3 |
| 1301, 1302, 2301 or 2381 | | See Checklist for Options | | | |
| | | CORE 60-HIST | 3 | | |
| | | 1301, 1301, 2301 or 2381 | | | |

| Fourth Year | | | | | |
|---------------------------------|----------------------------|----------|---------------------------------|------------------------|---|
| Fall | | | Spring | | |
| H o u r s 17 | BIOL 4416/4416L | 4 | H o u r s 15 | ENVIR SCIENCE CORE | 3 |
| | | | | ECON 4355 OR AGBE 4355 | |
| | ENVIR SCIENCE CORE | 4 | | ENVR 4098 | 1 |
| | PSES 2411/L or BIOL 3418/L | | | | |
| | ELECTIVE | 3 | | ENVR 4302 | 3 |
| | | | | | |
| | ELECTIVE | 3 | | BIOL 4510/4510L | 5 |
| | | | | | |
| ELECTIVE | 3 | ELECTIVE | 3 | | |
| | | | | | |

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 45 hours. Students should always seek the advice of their academic adviser before scheduling classes.

Note: Electives may be a four hour course.