

PROGRAM OVERVIEW

The Bachelor of Science (B.S.) in Environmental Science in the School of Mathematics, Science and Engineering at the University of the Incarnate Word prepares future leaders in sustainability, conservation and natural resource management.

The B.S. in Environmental Science is a 121-hour degree program that integrates study in several different science fields, ensuring that students have a strong foundation and broad understanding of biology, chemistry, geology, physics and meteorology. Students can expect a rigorous curriculum that spans the study of the elements of the natural world and the challenges facing each, including air pollution, water quality and soil conservation. An understanding of statistics and mathematics is also an important part of the well-rounded degree program.

ADMISSION REQUIREMENTS

The requirements for admission to the B.S. in Environmental Science program are the same as the requirements for admission to the University of the Incarnate Word.

CONTACT

UIW Admissions

(210) 829-6005
admission@uiwtx.edu

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OUR MISSION.**

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B.S. in Environmental Science

FRESHMAN YEAR

Fall

ENGL 1311: Composition I (3 hours)
 FYES 1211: First Year Experience Seminar (2 hours)
 ENSC 1410: Intro to Environmental Science (4 hours)
 MATH 1304: College Algebra (3 hours)
 METR 1430: Meteorology (4 hours)

Total Hours: 16

Spring

ENGL 1312: Composition II (3 hours)
 PEHP Physical Activity Course (1 hour)
 PHYS 1301/1101: General Physics I and Lab (4 hours)
 BIOL 1402: General Biology I and Lab (4 hours)
 CHEM 1301/1101: Chemical Principles I and Lab (4 hours)

Total Hours: 16

SOPHOMORE YEAR

Fall

GEOL 1401: Physical Geology (4 hours)
 CHEM 1302/1102: Chemical Principles II and Lab (4 hours)
 BIOL 1403: General Biology II and Lab (4 hours)
 ENGL 2310: World Literature (3 hours)

Total Hours: 15

Spring

RELS 1310: Introduction to Theology (3 hours)
 PHIL 1381: Introduction to Philosophy (3 hours)
 MATH 2303: Introduction to Statistics (3 hours)
 BIOL 3442: Ecology and Lab (4 hours)
 METR 4315: Air Pollution Meteorology (3 hours)

Total Hours: 16

JUNIOR YEAR

Fall

PHIL or RELS Advanced Elective (3 hours)
 Modern Language I (3 hours)
 GEOL 3340: Hydrology (3 hours)
 GEOL 3450: Environmental Geology (4 hours)
 METR 1360: Climatology* (3 hours)

Total Hours: 16

Spring

BIOL 3471: General Microbiology and Lab (4 hours)
 Modern Language II (3 hours)
 HIST 1311: World Civilization (3 hours)
 ENSC 3410: Research in Soil Conservation (4 hours)

Total Hours: 14

*Prerequisite for advanced METR electives

SENIOR YEAR

Fall

ENSC 4460: Research in Water Quality* (4 hours)
 Social Science** (3 hours)
 ENSC/BIOL/CHEM/GEOL/METR Advanced Elective*** (4 hours)
 Elective (3 hours)

Total Hours: 14

Spring

ENSC/BIOL/CHEM/GEOL/METR Advanced Elective (4 hours)
 ENSC/BIOL/CHEM/GEOL/METR Advanced Elective (4 hours)
 ENSC 4315: Environmental Science Research (3 hours)
 Fine Arts Elective*** (3 hours)

Total Hours: 14

*Capstone course

**Choose from approved list of courses

***Choose from approved list of 3000 and 4000 level courses in Biology, Chemistry, Geology, or Meteorology

A minimum of 121 hours are needed to complete the B.S. in Environmental Science.

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