

University of the Incarnate Word®

Bachelor of Science in **Environmental Science**

School of Mathematics, Science and Engineering

PROGRAM OVERVIEW

The Bachelor of Science 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 120-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 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

This publication is available in alternate format by request. To request an alternate format, please contact the UIW Office of Admissions at (210) 829-6005. 5/2021 500

**TOGETHER,
WE BECOME
THE WORD
IN THE WORLD**

APPLY NOW | uiw.edu



Environmental Science

B.S. in **Environmental Science****FRESHMAN YEAR****Fall**

ENGL 1311: Composition I (3 hours)
 DWHP 1200: Dimensions of Wellness (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 11XX (1 hour)
 PHYS 1301/1101: General Physics I and Lab (4 hours)
 BIOL 1402: Unity of Life and Lab (4 hours)
 CHEM 1301: Chemical Principles I (3 hours)

Total Hours: 15**SOPHOMORE YEAR****Fall**

GEOL 1401: Physical Geology (4 hours)
 CHEM 1302/1102: Chemical Principles II and Lab (4 hours)
 BIOL 1403: Diversity of Life 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)
 METR 3340: Hydrology (3 hours)
 GEOL 3450: Environmental Geology (4 hours)
 METR 1360: Climatology* or Fine Arts Elective (3 hours)

Total Hours: 16

*Prerequisite for advanced METR electives

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: 15**SENIOR YEAR****Fall**

ENSC 4460: Research in Water Quality* (4 hours)
 Social Science** (3 hours)
 ENSC/BIOL/CHEM/GEOL/METR Advanced Elective*** (4 hours)
 BIOL 44xx Advanced BIOL Elective (4 hours)

Total Hours: 15

*Capstone course

**Choose from approved list of courses

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

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)
 Elective (3 hours)

Total Hours: 14

121 hours needed to complete the B.S. in Environmental Science.