

Bachelor of Science in Environmental Science

2014 - 2015 Catalog

The University of Texas-Pan American

This document provides a list of the UTPA courses required for the major and their equivalent UTRGV courses.

A significant number of courses have changed their course prefix, number, and title.

For any additional information, please visit the Academic Advising Center.

UTPA Courses	Course Equivalents at UTRGV
A – GENERAL EDUCATION CORE – 43 HOURS	
Mathematics – 3 hours	
MATH 1460 Calculus I (or MATH 1487 Honors) three-hour lecture	MATH 2413 Calculus I (or MATH 2487 Honors) three-hour lecture
B – MAJOR REQUIREMENTS – 64 HOURS (25 advanced minimum)	
1 – Environmental Studies Core – 43 hours (12 advanced)	
BIOL 1401 General Biology I (or BIOL 1487 Honors)	BIOL 1406 General Biology I (or BIOL 1487 Honors)
BIOL 1402 General Biology II (or BIOL 1487 Honors)	BIOL 1407 General Biology II (or BIOL 1487 Honors)
BIOL 3404 Conservation Biology	BIOL 3404 Conservation Biology
GEOL 1401 Physical Geology	GEOL 1403 Physical Geology
GEOL 1402 Historical Geology	GEOL 1404 Historical Geology
PHYS 1401 General Physics I	PHYS 1401 General Physics I
PHYS 1402 General Physics II	PHYS 1402 General Physics II
MATH 1460 Calculus I (or MATH 1487 Honors) one-hour lecture	MATH 2413 Calculus I (or MATH 2487 Honors) one-hour lecture
MATH/STAT 2330 Elementary Statistical Methods (or MATH 2387 Honors)	MATH 1342 Elementary Statistical Methods (or MATH 1387 Honors)
ENSC 3400 Environmental Science and Public Policy	ENVR 4301 Environmental Regulations
ENSC 3401 Environmental Regulations and Impact Analysis	ENVR 4302 Environmental Impact Analysis
2 – Designated Electives – 21 hours (13 advanced minimum)	
<i>Choose from:</i>	
BIOL 2406 Environmental Biology	BIOL 2406 Environmental Biology
BIOL 3409 Ecology	BIOL 3409 Ecology
BIOL 4403 Introduction to Remote Sensing Technology	BIOL 4403 Introduction to Remote Sensing Technology
BIOL 5316 Advanced Environmental Toxicology/BIOL 4416 Env Toxic.	Recommended alternative: BIOL 4316 Environmental Toxicology
CHEM 2301/2101 Analytical Chemistry and Lab	CHEM 2301/2101 Analytical Chemistry and Lab
CHEM 3401 Environmental Chemistry	CHEM 3401 Environmental Chemistry
CHEM 4304/4104 Instrumental Analysis and Lab	CHEM 4304/4104 Instrumental Analysis and Lab
GEOL 3408 Intro Geograph Info Syst	Recommended alternative: GEOL 3408 Introduction to Geographic Information Systems
GEOL 4302 Environmental Geology	GEOL 4302 Environmental Geology
GEOL 4408 Application of Geographic Information Systems	GEOL 4401 Advanced Geographic Information Systems <u>or</u> GEOL 4408 Applications of Geographic Information Systems
C – FREE ELECTIVES – 13 HOURS (26 advanced)	

TOTAL CREDIT HOURS FOR GRADUATION – 120 HOURS

TOTAL ADVANCED HOURS – 51 HOURS

ADMISSION, PROGRESSION, AND GRADUATION REQUIREMENTS, if applicable:

Graduation requirements

Minimum GPA of 2.5 is required in the major.