

Bachelor of Interdisciplinary Studies in Middle School 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	
Natural Science – 8 hours	
PSCI 1421 Physical Science I	PSCI 1421 Physical Science I
PSCI 1422 Physical Science II	PSCI 1422 Physical Science II
B – MAJOR REQUIREMENTS – 61 HOURS (28 advanced)	
1 – Science Core – 52 hours (25 advanced)	
ASTR 1401 General Astronomy	ASTR 1401 Introduction to Astronomy I
BIOL 1401 General Biology (or BIOL 1487 Honors)	BIOL 1406 General Biology I (or BIOL 1487 Honors)
BIOL 1402 General Biology (or BIOL 1488 Honors)	BIOL 1407 General Biology II (or BIOL 1488 Honors)
BIOL 2406 Environmental Biology	BIOL 2406 Environmental Biology
BIOL 3301 Evolution	BIOL 3301 Biological Evolution
BIOL 3409 Ecology	BIOL 3409 Ecology
CHEM 1301/1101 General Chemistry I	CHEM 1311/1111 General Chemistry I
GEOG 2313 Principles of Physical Geography	GEOG 2313 Principles of Geography Physics Elementary
GEOL 1401 Physical Geology	GEOL 1403 Physical Geology
GEOL 3403 Geomorphology	GEOL 3405 Oceanography
PHYS 3308 Intro to Nanotechnology	PHYS 3308 Introduction to Nanoscience
PHYS 3309 Intro to Medical Imaging	PHYS 3309 Introduction to Medical Imaging
SCIE 4240 Capstone Course	Select alternative course
SCIE 4360 Applications of the Natural Sciences for Teachers	Select alternative course
SCIE 4370 Planet Earth and its Inhabitants	Recommended alternative: PSCI 3310 Planet Earth & Its Place
2 – Math Core – 9 hours (3 advanced)	
EMAT 2306 Foundations of Mathematics I	MATH 1350 Fundamentals of Mathematics I
EMAT 2307 Foundations of Mathematics II	MATH 1351 Fundamentals of Mathematics II
MMAT 3315 Probability and Statistics	MATE 3305 Fundamentals of Statistics and Probability
C – TEACHER CERTIFICATION – 24 HOURS (24 advanced)	
EDUC 4301 Teaching and Learning in Contemporary Schools	EDUC 3301 The Teaching Profession and Student Learning in Contemporary Schools
EDUC 4302 Human Development and Learning Theories in the EC-12 Classroom	EDUC 3302 Human Development, Learning Theories and Student Learning
EDUC 4303 Teaching Special Populations in Inclusive Classrooms	EDUC 3303 Teaching in Today's Diverse Classrooms
EDUC 4304 Instructional Planning and Assessment	EDUC 3304 Instructional Planning, Classroom Management and Assessment to Promote Student Learning
EDUC 4611 Student Teaching	EDUC 4611 Student Teaching Secondary or All-Level
READ 3325 Cognitive Development and Reading Comprehension	READ 3324 Reading Comprehension and Assessment
READ 3326 Reading Across the Curriculum Content Areas	Recommended alternative: READ 4305 Content Area Literacy

TOTAL CREDIT HOURS FOR GRADUATION – 128 HOURS

TOTAL ADVANCED HOURS – 52 HOURS