

Bachelor of Interdisciplinary Studies in Middle School Mathematics

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	
B – MAJOR REQUIREMENTS – 56 HOURS (39 advanced)	
EMAT 2306 Foundations of Math I	MATH 1350 Fundamentals of Mathematics I
EMAT 2307 Foundations of Math II	MATH 1351 Fundamentals of Mathematics II
MMAT 2308 Survey of Calculus Concepts	Recommended alternative: MATH 2413 Calculus I
MMAT 3309 Found Of Math III-Inter	MATE 3301 Fundamentals of Middle School Mathematics
MMAT 3310 Measurement and Geometry I	MATE 3302 Fundamentals of Measurement and Geometry I
MMAT 3311 Measurement and Geometry II	MATE 3303 Fundamentals of Measurement and Geometry II
MMAT 3313 Algebraic Structures	MATE 3304 Fundamentals of Algebraic Structures
MMAT 3314 Basics of History Math	MATE 3313 Fundamentals of Mathematics History
MMAT 3315 Probability & Statistics	MATH 3305 Fundamentals of Statistics and Probability
MMAT 3316 Math in Computer Environ	MATE 3306 Middle School Mathematics in a Technological Environment
MMAT 3317 Basics of Number Theory	MATE 3312 Fundamentals of Number Theory
MMAT 3318 Basics of Number Theory	MATE 3312 Fundamentals of Number Theory
MMAT 3319 Math Struct & Processes	MATE 3314 Fundamentals of Mathematical Structures and Processes
MMAT 3320 Functions and Modeling	Recommended alternative: MATE 3321 Functions and Modeling
MMAT 3321 Math Problem Solving	MATE 3307 Fundamentals of Problem Solving
MMAT 4392 Research Methods	MATE 4319 Research Methods in Middle School Mathematics
<i>Choose 8 hours of additional Natural Science outside of the General Education Core.</i>	
C – UTEACH CERTIFICATION – 21 HOURS (21 advanced)	
UTCH 1101 Inquiry Approaches to Teaching	UTCH 1101 Inquiry Approaches to Teaching
UTCH 1102 Inquiry-Based Lesson Design	UTCH 1102 Inquiry-Based Lesson Design
UTCH 3301 Knowing and Learning	UTCH 3301 Knowing and Learning in Mathematics and Science
UTCH 3302 Classroom Interaction	UTCH 3302 Classroom Interactions
UTCH 3303 Project-Based Instruction	UTCH 3303 Project-Based Instruction
UTCH 4101 Apprentice Teaching Seminar	UTCH 4101 Apprentice Teaching Seminar
UTCH 4601 Apprentice Teaching	UTCH 4601 Apprentice Teaching
READ 4351 Lrng Through Literacy In	READ 4305 Content Area Literacy

TOTAL CREDIT HOURS FOR GRADUATION – 120 HOURS

TOTAL ADVANCED HOURS – 51 HOURS