The University of Texas at Brownsville and Texas Southmost College

This document provides a list of the UTB/TSC 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.

UTB/TSC Courses

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<tr>
<th>Course Equivalents at UTRGV</th>
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<td>GENERAL EDUCATION CORE COURSES REQUIRED FOR THE MAJOR</td>
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**020 – Mathematics***
- MATH 2413 Calculus I

**090 – Institutionally Designated Option (‡)**
- SPCH 1315 Applied Communication is strongly recommended.

Minimum grade of B or better is required for admission into the Teacher Education program.

**A – GENERAL EDUCATION CORE – 42 HOURS**

**B – MAJOR REQUIREMENTS***

1 – Pedagogy and Professional Responsibility – 18 hours (†, £)
- EDCI 1101 Step 1: Inquiring Approaches to Teaching (†, £)
- EDCI 1102 Step 2: Inquiring Based Lesson Design (†, £)
- EDCI 3350 Knowing and Learning in Mathematics and Science (†, £)
- EDCI 3355 Classroom Interactions (†, £)
- EDCI 3360 Project Based Instruction (†, £)
- EDCI 4650 Apprentice Teaching 6-12 (†, £)
- EDCI 4170 Apprentice Teaching Seminar (†, £)

2 – Core Courses for the Major – 29 hours
- MATH 2305 Discrete Mathematics
- MATH 2318 Linear Algebra
- MATH 3311 Geometry I
- MATH 2414 Calculus II
- MATH 2415 Calculus III
- MATH 3306 Foundation of Analysis
- MATH 3321 Algebra I
- MATH 3349 Differential Equations
- MATH 3381 Statistics

3 – Teaching Concentration – 9 hours
- MATH 2303 Functions and Modeling
- MATH 3307 Perspectives on Mathematics and Science - UTeach
- BIOL 3304 Research Methods - UTeach

4 – Math Electives – 15 hours

5 – Literacy – 3 hours (£)
- EDLI 4351 Content Area Literacy

6 – Electives – 4 hours

TOTAL CREDIT HOURS FOR GRADUATION – 120

TOTAL ADVANCED HOURS (minimum) – 36

Admission requirements to this program: MATH-2414 with “C” or better grade and UTCH 1101 with a “C” or better and a minimum cumulative GPA of 2.5
† Grade of “C” or better is required for graduation.
‡ Grade of “B” or better is required for graduation.
* Grade of “C” or better is required for a MATH course used to fulfill the General Education Core requirement (MATH-1314 College Algebra or higher).
£ Maintain a minimum of 2.50 GPA with a grade no lower than a C.

Student must meet all Program Admission Requirements/Student Teaching Requirements. Contact UTeach program for further information.

** **Prior to graduation a student must take Major Field Test in Mathematics.