

**THE UNIVERSITY OF TEXAS AT TYLER  
COLLEGE OF EDUCATION AND PSYCHOLOGY**

**BACHELOR OF SCIENCE IN INTERDISCIPLINARY STUDIES (BSIS)  
DEGREE PLAN**

**INTERMEDIATE (GRADES 4-8)  
UTeach MATH CERTIFICATION**

Name:	
SID:	Date:

CORE CURRICULUM (42 SCH)	Course Number	Hours	Grade	Notes
Communication: Grammar and Composition I	ENGL 1301	3		
Communication: Fundamentals of Speech Communication	SPCM 1315	3		
Human Expression: Grammar and Composition II	ENGL 1302	3		
Mathematics: Concepts of Modern Mathematics I	MATH 1350	3		
STEM: Concepts of Modern Mathematics II	MATH 1351	3		
*Natural Sciences: Life Science (must include lab)	BIOL	3		
*Natural Sciences: Physical Science (must include lab)		3		
Language, Philosophy, and Culture: World or European Literature	ENGL	3		
Creative Arts:		3		
History: United States History I	HIST 1301	3		
History: United States History II	HIST 1302	3		
Political Science: Introductory American Government	POLS 2305	3		
Political Science: Introductory Texas Politics	POLS 2306	3		
Social and Behavioral Science		3		

INTRODUCTION (1)	Course Number	Hours	Grade	Notes
Step 1 – Inquiry Approaches to Teaching	EDUT 1170	1		

BLOCK 1 (4)	Course Number	Hours	Grade	Notes
Step 2 – Inquiry Based Lesson Design (Prerequisite – Step 1)	EDUT 2170	1		
Knowing and Learning in Mathematics and Science	EDUT 3370	3		

**ADMISSION TO THE SCHOOL OF EDUCATION PRIOR TO BLOCK 2**

BLOCK 2 (3)*	Course Number	Hours	Grade	Notes
Classroom Interactions ** (Spring)	EDUT 3371	3		

REQUIRED EDUCATION/UTEACH COURSES (12) (MUST BE COMPLETED PRIOR TO/OR CONCURRENTLY WITH BLOCK 3)	Course Number	Hours	Grade	Notes
Methodology of Teaching ESL (Fall Only)	EDUC 4378	3		
Perspectives On Science and Mathematics (Spring Only)	CHEM 3370 HIST 3360 or PHIL 3360	3		
Research Methods (Fall Only)	BIOL 3360, CHEM 3360 or PHYS 3360	3		
Literacy in Content Areas	EDFB 4338	3		

<b>BLOCK 3 (3)*</b>				
Project- Based Instruction ** (Fall)	EDUT 4370	3		
<b>YOU MUST PASS THE CONTENT TEXES BEFORE YOU BEGIN BLOCK 4</b>				
<b>BLOCK 4 (7)</b>				
Clinical Teaching	EDUC 4640	6		
Apprentice Teaching Seminar	EDUT 4170	1		
<b>MAJOR CONTENT COURSES (48)</b>				
College Algebra	MATH 1314	3		
Pre-Calculus	MATH 2312	3		
Statistics	MATH 1342	3		
Discrete Structures	MATH 2330	3		
Functions and Modeling (Fall Only)	MATH 2325	3		
Calculus I/Calculus I Laboratory	MATH 2413/2113	5		
Matrix Methods in Science and Engineering	MATH 3203	2		
Advanced Concepts of Mathematics (Spring Only)	MATH 3452	4		
Geology: Physical Geology and Astronomy	GEOL 3310	3		
Geology: Oceanography and Meteorology	GEOL 3314	3		
Introduction to Engineering	ENGR 1201	2		
Upper Division Electives		3		
Electives (with Advisor approval)		9		
*2 Science Labs – In order to complete major content courses, the associated labs for science courses completed in the Core Curriculum are required.		2		
<b>TOTAL</b>		<b>120</b>		

<b>Total Semester Credit Hours Required for Degree:</b>	<b>120</b>
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**PLEASE SEE YOUR DEGREE ADVISOR FOR QUESTIONS OR UPDATES REGARDING YOUR DEGREE PLAN.**

**DEGREE ADVISOR: Ms. Lisa Dempsey, 903-566-7022, ldempsey@uttyler.edu**

**\*You must complete 6 hours of Content TExES Prep during Block 2 and pass the Content TExES before Block 4.**

**\*\* The order of these two courses may be switched due to when courses are offered.**

***TExES Exams Required:***

- TExES 115 – Math 4-8(Content)
- TExES 160 – Pedagogy & Professional Responsibilities (PPR) EC-12

**In order to teach grades 4, 5, or 6, the state requires the Core Subjects EC-6 (291) or Core Subjects 4-8 TExES (211) in addition to the required exams.**