

**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 SCIENCE 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: General Biology I/General Biology I Laboratory	BIOL 1306	3		
*Natural Sciences: General Chemistry I/General Chemistry I Laboratory	CHEM 1311	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 II (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		

BLOCK 3 (3)*				
Project- Based Instruction ** (Fall)	EDUT 4370	3		
YOU MUST PASS THE CONTENT TEXES BEFORE YOU BEGIN BLOCK 4				
BLOCK 4 (7)				
Clinical Teaching	EDUC 4640	6		
Apprentice Teaching Seminar	EDUT 4170	1		
MAJOR CONTENT COURSES (48)				
General Biology II/General Biology II Laboratory	BIOL 1307/1107	4		
Biology: Ecology	BIOL 3336/3137	4		
Biology: Plant Morphology or Plant Taxonomy	BIOL 3345/3146, or 3348/3147	4		
Geology: Physical Geology and Astronomy	GEOL 3310	3		
Geology: Oceanography and Meteorology	GEOL 3314	3		
Physics: College Physics I	PHYS 1301/1101	4		
College Algebra	MATH 1314	3		
Statistics	MATH 1342	3		
Pre-Calculus	MATH 2312	3		
Introduction to Engineering	ENGR 1201	2		
Electives (with Advisor approval)		13		
*2 Science Labs – BIOL 1106/CHEM 1111 – In order to complete major content courses, the associated labs for science courses completed in the Core Curriculum are required.		2		
TOTAL		120		

Total Semester Credit Hours Required for Degree:	120
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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 116 – Science 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 TExES (291) or Core Subject 4-8 TExES (211), in addition to the required exams.