

Bachelor of Arts in Mathematics with Teacher Certification
Certification: Secondary (8-12) Mathematics

College of Science - UTeach Arlington
The University of Texas at Arlington

Name: _____ ID: 1000 _____

Prepared by: Erin Gonzales _____ Date: _____

Expected date of graduation: _____

Catalog: 2011-2012 _____

CORE CURRICULUM

		Earned	Need
English Composition			
ENGL 1301	Critical Thinking, Reading, and Writing I		3
ENGL 1302	Critical Thinking, Reading, and Writing II		3
Literature (English or modern/classical language, 2000 level +)			
			3
Liberal Arts			
PHIL 2314	Perspectives on Science and Math (UTeach)		3
US History (Texas History, 3363/64, may substitute for one US History)			
HIST 1311	History of the United States		3
HIST 1312	History of the United States		3
Political Science			
POLS 2311	Government of the United States		3
POLS 2312	State and Local Government		3
Natural Science (8 hours in one science)			
PHYS 1443/1444, BIOL 1441/1442, CHEM 1441/1442, or GEOL 1425/1426			
			4
			4
Social/Cultural Studies (3 hours from approved list)			
			3
Fine Arts (3 hours from approved list)			
			3
Mathematics			
6 hours, fulfilled by the major			

CORE HOURS (38) **0 38**

OTHER REQUIRED COURSEWORK

Modern and Classical Language			
10 hours (levels II, III, IV) in one language, or level II and 6 hours of approved cultural studies (different from core list)			
1442			4
2313	or cultural studies		3
2314	or cultural studies		3
Additional Natural Science (4 hours chosen from core science above)			
			4
Research Methods (BIOL 3310, CHEM 4392, GEOL 4305, or PHYS 4391)			
	(UTeach)		3
Computer Programming (MATH 1319, CSE 1311, 1320, or 1325)			
			3

OTHER REQUIRED HOURS (20) **0 20**

MATHEMATICS

		Earned	Need
MATH 1426	Calculus I		4
MATH 2425	Calculus II		4
MATH 2326	Calculus III		3
MATH 2330	Functions and Modeling (UTeach)		3
MATH 3300	Introduction to Proofs		3
MATH 3301	Foundations of Geometry		3
MATH 3307	Elementary Number Theory		3
MATH 3314	Discrete Mathematics		3
MATH 3330	Intro to Matrices and Linear Algebra		3
MATH 3321	Abstract Algebra I		3
MATH 3335	Analysis I		3

Mathematics sequences and elective

Choose one: MATH 4321, 4334, or 4335			
			3
Choose one: MATH 4311, 4313, 4314, 4318, 4321, 4324, 4334, 4335, or 4345			
			3
Advanced MATH elective* (33XX+) excluding 3319, 4350, 4351			
			3

MATHEMATICS HOURS (44) **0 44**

*MATH 3316 is recommended for the elective.

UTEACH ARLINGTON

		Earned	Need
SCIE 1101	STEP 1: Inquiry Approaches to Teaching		1
SCIE 1102	STEP 2: Inquiry-based Lesson Design		1
EDUC 4331	Knowing and Learning in Math & Science		3
EDUC 4332	Classroom Interactions		3
EDUC 4333	Multiple Teaching Pract. in Math & Science		3
SCIE 4607	Student Teaching		6
SCIE 4107	Student Teaching Seminar		1

The UTeach program also includes three courses which are used to fulfill other degree requirements: PHIL 2314, Research Methods and MATH 2330.

UTEACH HOURS (18) **0 18**

TOTAL DEGREE HOURS (120) **0 120**

UTeach Arlington degree plans are still in the approval process.