

**Proposed: BIS in Middle School Mathematics Teaching**

**UNIVERSITY OF TEXAS-PAN AMERICAN, COLLEGE OF SCIENCE AND MATHEMATICS  
DEPARTMENT OF MATHEMATICS -- DEGREE PLAN**

Name:	SID#:	Advisor/Date Advised:	
Address:		Phone/E-mail	
Date of Entrance:	Catalog:	Degree:	

**BIS in Middle School Mathematics**

<b>CORE REQUIREMENTS: 43 hrs.</b>			<b>MAJOR: Middle School Mathematics (36 hrs)</b>		
Course	Hours	Grade	Course	Hours	Grade
ENG 1301 (C or better)	3		MMAT 3309 (Foundations Math 3 - Inter)	3	
ENG 1302 (C or better)	3		MMAT 3310 (Measure & Geometry 1)	3	
ENG sophomore literature	3		MMAT 3311 (Measure & Geometry 2)	3	
MATH 1450 (Pre-Calculus)	4		MMAT 3313 (Algebraic Structures)	3	
HIST 2313	3		MMAT 3314 (Basics of History of Math)	3	
HIST 2314	3		MMAT 3315 (Probability and Stat.)	3	
POLS 2313	3		MMAT 3316 (Math in a Comp. Env.)	3	
POLS 2314	3		MMAT 3317 (Basics of Discrete Math)	3	
Computer Literacy**	2		MMAT 3318 (Basics of Number Theory)	3	
Visual & Performing Arts	3		MMAT 3319 (Math. Struct. & Proc.)	3	
PHIL 3301	3		MMAT 3321 (Basics of Math. Prob. Solv.)	3	
Social Sciences	3		MMAT 4392 (Research Methods)	3	
8 hours from lab science sequence *			Total Math Core Hrs   Yet to be completed	36	36
	4		<b>Interdisciplinary Component: 19 hrs.</b>		
	4		EMAT 2306 (Foundations Math 1)	3	
			EMAT 2307 (Foundations Math 2)	3	
			MMAT 2408 (Survey of Calculus)	4	
Total Core Hours	44		MMAT 3320 (Functions and modeling)	3	
Completed to date			Science Beyond Core **	6	
Yet to be completed			Total Concentration   Yet to be completed	19	
<b>UTeach Teaching Certification: 21 hrs.</b>			<b>Remarks and/or Substitutions</b>		
UTCH 1101 (Inquiry Appro to Teach 1)	1				
UTCH 1102 (Inquiry Appro to Teach 2)	1		* PHYS 1401/1402 recommended		
UTCH 3301 (Know & Learn Math/Sci)	3		** Must include at least one course in Physics (if not in core).		
UTCH 3302 (Classroom Interactions)	3		Remaining hours must be chosen from ASTR, GEOL, PSCI,		
UTCH 3303 (Project-Based Instruction)	3		and PHYS.		
UTCH 4701 (Apprentice Teaching)	7		*** Proficiency in a language other than English		
READ 4351 (Reading course in content)	3		will be required at the undergraduate level.		
			The language (non-English) proficiency equivalent		
			will be 6 SCH. See advisors for specifics.		
Total Cert. Classes   Yet to be completed	21				
<b>Electives (any subject)</b>					
			C or better required in all EMAT, MATH, MATS, and MMAT		
			courses; GPA of 2.25 or greater required for courses in the major.		
Total Electives   Yet to be completed					
<b>ADDITIONAL CONSIDERATIONS:</b>					
			Totals Hours		
			Completed to date		
			Yet to be completed		
			(minimum 120 hours) Grand total	120	
			(minimum 51 hours) Total advanced	61	

APPROVAL:

Department Chair	Date	Dean	Date
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