

UTSA Bachelor of Science in Mathematics - GMS concentration
Four-Year Program of Study
2006-2008
with Teacher Certification

FALL

SPRING

FIRST YEAR

MAT 1214 Calculus I	4	MAT 1223 Calculus II	3
CS 1063 OR 2073 Comp Programming	3	MAT 3013 Foundations of Math	3
WRC 1013 Freshman Composition I	3	COM 1043, 1053, 2113 or 2123	3
CORE Domain I: Science Level I	3	WRC 1023 Freshman Composition II	3
CORE Domain IIA: History	3	CORE Domain IIA: History	3
TOTAL	16		15

SECOND YEAR

MAT 2213 Calculus III	3	MAT 3213 Foundations of Analysis	3
MAT 3103 Data Analysis & Interpretation	3	MAT 2233 Linear Algebra	3
CORE Domain I: Science Level II	3	CORE Domain IIIB: Arts	3
CORE Domain IIIA: Literature	3	CORE Domain IIB: Politics	3
POL 1013 Domain IIB: Politics	3	IDS 2013 Intro to Learning & Teaching	3
TOTAL	15		15

SUMMER

ELEC Domain IV: World Society	3
ELEC Free Elective	2
TOTAL	5

THIRD YEAR

MAT 4213 Real Analysis I	3	MAT 4263 Geometry OR	3
MAT 3233 Modern Algebra OR	3	MAT 3123 Modern Geometry	
MAT 4233 Modern Abstract Algebra		MAT 3XX3 Upper-division Math Elective	3
EDU 2103 Education in American Soc	3	EDP 4203 Assessment & Evaluation	3
EDP 3203 Learning & Dev Sec School	3	SPE 3603 Intro to Exceptionalities	3
CORE Domain IIC: Soc/Beh Science	3	CORE Domain IID: Economics	3
TOTAL	15		15

SUMMER

MAT 4113 Computer Math Topics	3
CORE Free Electives	6
TOTAL	9

FOURTH YEAR

MAT 4013 Graphing Calculator Topics	3	C&I 4646 Student Teaching Secondary	6
RDG 3773 Intro to Content Area	3		
C&I 4203 Teaching Secondary School	3		
BBL 3403 Cultural & Linguistic Diversity	3		
MAT 4303 Capstone Course for Math	3		
TOTAL	15		6

TOTAL FOR BS IN MATH IS 126, including 39 at UD level. TOTAL CREDITS 126

Notes: Check the 2006-08 catalog (or student's catalog of graduation) for course prerequisites. All required and elective MAT courses must be completed with a grade of "C" or better. Students seeking secondary certification should see a CoEHD advisors during their sophomore year. Some upper-division MAT courses are offered only once a year. Check with Math Dept for scheduling. Only one (non-transfer) MAT sub per student is permitted: only in semester of graduation & only if required course is not offered.

It is understood that all other provision of the catalog must be met.