UTSA Bachelor of Science in Mathematics - GMS concentration
Four-Year Plan with Teacher Certification
2010-12 ***starting with MAT 1214***

FIRST YR	**FALL**			**SPRING**	
MAT 1214	Calculus I	4	MAT 1224	Calculus II	4
WRC 1013	Freshman Composition I	3	WRC 1023	Freshman Composition II	3
COM 1043	Intro to Communications	3	*CS 1063 or*	*Intro to Comp Program*	*3*
CORE	Domain I: Science Level I	3	*CS 2073*	*Comp Prog w/ EGR Apps*	
UTE 1011	UTeach Math/Science I	1	CORE	Domain IIA: History	3
			UTE 1021	UTeach Math/Science II	1
TOTAL		**14**	**TOTAL**		**14**
SECOND YR					
MAT 2214	Calculus III	4	MAT 2233	Linear Algebra	3
MAT 3013	Foundations of Math***	3	MAT 3213	Foundations of Analysis***	3
EDU 2103	Education in American Society	3	EDU 3203	Learning & Dev Sec School	3
CORE	Domain I: Science Level II	3	CORE	Domain IIIA: Literature	3
UTE 1021	UTeach Math/Science III	1	CORE	Domain IIIB: Arts	3
TOTAL		**14**	**TOTAL**		**15**
		SUMMER			
POL 1013	Domain IIB: Politics	**3**	CORE	Domain IV: World Society	**3**
THIRD YR					
MAT 3123 or	*Fundamentals of Geometry^^*	*3*	*MAT 3233 or*	*Modern Algebra*** *OR*	*3*
MAT 4263	*OR Geometry**		*MAT 4233*	*Modern Abstract Algebra**	
MAT 3103	Data Analysis/Interpretation^^	3	EDP 4203	Assessment & Evaluation	3
MAT 4213	Real Analysis I**	3	SPE 3603	Intro to Exceptionalities	3
BBL 3403	Cultural & Linguistic Diversity	3	CORE	Domain IID: Economics	3
CORE	Domain IIC: Soc/Beh Science	3	CORE	Domain IIB: Politics	3
TOTAL		**15**	**TOTAL**		**15**
		SUMMER			
MAT 4113	Computer Math Topics^^^	**3**	CORE	Domain IIA: History	**3**
FOURTH YR					
MAT 4013	Graphing Calculator Topics^^	3	C&I 4646	Student Teaching Secondary	6
MAT 4303	Capstone Course for Math#	3			
MAT 3XX3	UD Math Elective (not 3253)	3			
RDG 3773	Intro to Content Area	3			
C&I 4203	Models of Teaching-Secondary	3			
TOTAL		**15**	**TOTAL**		**6**

Total hrs for BS/MATH-GMS WITH Cert is 120, including 39 UD. Total hrs listed here: 120

Check the 2010-12 catalog for course prerequisites.

Notes:
- *offered spring only
- **offered in fall and spring
- ^^^offered in spring and summer
- ***offered spring, fall and summer
- ^offered in summer and fall only
- ^^offered fall only
- # scheduled to be offered in fall but subject to change

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 UD MAT courses (3000-4000) 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. All other provision of the catalog must be met.