

**UTSA Bachelor of Science in Mathematics - GMS concentration**  
**Four-Year Plan**      **without Teacher Certification**  
**2008-2010**      **starting with MAT 1214**

FALL		FIRST YEAR		SPRING		
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	Intro to Communications	3
CORE	Domain I: Science Level I	3		WRC 1023	Freshman Composition II	3
CORE	Domain IIA: History	3		CORE	Domain IIA: History	3
<b>TOTAL</b>		<b>16</b>		<b>TOTAL</b>		<b>15</b>
SECOND YEAR						
MAT 2213	Calculus III	3		MAT 3213	Foundations of Analysis***	3
MAT 3103	Data Analysis^^	3		MAT 2233	Linear Algebra	3
POL 1013	Domain IIB: Politics	3		CORE	Domain IIIB: Arts	3
CORE	Domain I: Science Level II	3		CORE	Domain IIB: Politics	3
CORE	Domain IIIA: Literature	3		ELEC	Free Elective	3
<b>TOTAL</b>		<b>15</b>		<b>TOTAL</b>		<b>15</b>
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
ELEC	Free Elective	3		ELEC 3XX3	UD Free Elective	3
ELEC	Free Elective	3		ELEC	Free Elective	3
CORE	Domain IIC: Soc/Beh Science	3		CORE	Domain IID: Economics	3
<b>TOTAL</b>		<b>15</b>		<b>TOTAL</b>		<b>15</b>
FOURTH YEAR						
MAT 4013	Graphing Calculator Topics^^	3		MAT 4113	Computer Math Topics^^	3
MAT/STA 3XX3	Upper-div MAT/STA Elective	3		CORE	Domain IV: World Society	3
ELEC	Free Elective	3		ELEC	Free Elective	3
ELEC	Free Elective	3		MAT/STA 3XX3	Upper-div MAT/STA Elective	3
MAT 4303	Capstone Course for Math#	3		ELEC	Free Elective	2
<b>TOTAL</b>		<b>15</b>		<b>TOTAL</b>		<b>14</b>

Total for BS/MAT-GMS WITHOUT Certification is 120, including 39 UD hrs.

Total hrs listed here: 120

Notes: Check the 2008-10 catalog (or student's catalog of graduation) for course prerequisites.

\*offered spring only

\*\*\*offered spring, fall and summer

\*\*offered in fall and spring

^offered in summer and fall only

^^offered in spring and summer

^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 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.