

**UTSA Bachelor of Science in Mathematics – Math concentration**

**Four-Year Plan**

**2008-10**

**starting with MAT 1093**

<b>FALL</b>		<b>FIRST YEAR</b>		<b>SPRING</b>		
MAT 1093	Precalculus	3		MAT 1214	Calculus I	4
WRC 1013	Freshman Composition I	3		WRC 1023	Freshman Composition II	3
CS 1063	<i>Intro to Comp Program OR</i>	3 or 4		CORE	Domain I: Science Level II	3
CS 2073	<i>Comp Prog with Eng Apps OR</i>			CORE	Domain IIA: History	3
CS 1713/1711	<i>Intro to Comp Programming</i>			ELEC	Free Elective	3
CORE	Domain I: Science Level I	3				
<b>TOTAL</b>		<b>12 or 13</b>				<b>16</b>
<b>SUMMER</b>						
MAT 1223	Calculus II	3				
<b>SECOND YEAR</b>						
MAT 2213	Calculus III	3		MAT 2233	Linear Algebra	3
MAT 3013	Foundations of Math***	3		MAT 3213	Foundations of Analysis***	3
POL 1013	Domain IIB: Politics	3		STA 3003	Applied Statistics	3
CORE	Domain IIIA: Literature	3		CORE	Domain IIIB: Arts	3
ELEC	Free Elective	3		CORE	Domain IIB: Politics	3
<b>TOTAL</b>		<b>15</b>				<b>15</b>
<b>THIRD YEAR</b>						
MAT 3243	Calculus for Applications	3		MAT 4233	Modern Abstract Algebra*	3
MAT 3613	Differential Equations I^	3		MAT/STA 3XX3	UD Math/Stats Elective	3
MAT 3633	Numerical Analysis	3		CORE	Domain IV: World Society	3
STA 3513	Probability & Statistics	3		CORE	Domain IID: Economics	3
CORE	Domain IIC: Soc/Beh Science	3		ELEC	Free Elective	4
<b>TOTAL</b>		<b>15</b>				<b>16</b>
<b>FOURTH YEAR</b>						
MAT 4213	Real Analysis I**	3		MAT 4223	Real Analysis II**	3
ELEC 3XX3	Upper-division Free Elective	3		MAT/STA 3XX3	UD Math/Stats Elective	3
ELEC	Free Elective	3		CORE	Domain IIA: History	3
ELEC	Free Elective	3		ELEC	Free Elective	3
ELEC	Free Elective	3		ELEC	Free Elective ^	1
<b>TOTAL</b>		<b>15</b>			^if CS 1063/73 taken above	<b>13</b>

Total hrs for BS/MAT- MAT is 120, including 39 at UD level.

Total hrs listed here: 120-121.

Notes:

\*offered spring only

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

\*\*offered in fall and spring

^offered in summer and fall only

Check the 2008-10 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.

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.