

**UTSA Bachelor of Science in Mathematics – Math concentration
Four-Year Program of Study
2006-2008**

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

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.

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.