

UTSA Bachelor of Science in Mathematics – Math concentration

Four-Year Plan

2008-10

starting with MAT 1214

FALL		FIRST YEAR		SPRING		
MAT 1214	Calculus I	4		MAT 1223	Calculus II	3
CS 1063	Intro to Comp Program OR	3 or 4		WRC 1023	Freshman Composition II	3
CS 2073	Comp Prog with Eng Apps OR			CORE	Domain IIA: History	3
CS 1713/17	Intro to Comp Programming			CORE	Domain I: Science Level II	3
WRC 1013	Freshman Composition I	3		ELEC	Free Elective	3
CORE	Domain I: Science Level I	3				
TOTAL		13-14				15
SECOND YEAR						
MAT 2213	Calculus III	3		MAT 3213	Foundations of Analysis***	3
MAT 3013	Foundations of Math***	3		MAT 2233	Linear Algebra	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
TOTAL		15				15
THIRD YEAR						
MAT 3633	Numerical Analysis	3		MAT 4233	Modern Abstract Algebra*	3
MAT 3243	Calculus for Applications	3		MAT 3XX3	Upper-division Math Elective	3
MAT 3613	Differential Equations I^	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
TOTAL		15				16
FOURTH YEAR						
MAT 4213	Real Analysis I**	3		MAT 4223	Real Analysis II**	3
ELEC 3XX3	Upper-division Free Elective	3		MAT 3XX3	Upper-division Math Elective	3
ELEC	Free Elective	3		ELEC	Free Elective	3
ELEC	Free Elective	3		ELEC	Free Elective	3
ELEC	Free Elective	3-4		CORE	Domain IIA: History	3
TOTAL		15-16				15

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

Total hrs listed here: 120.

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.