

UTSA Bachelor of Science in Mathematics – Math concentration

Four-Year Plan

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			
CORE	Domain I: Science Level I	3	CORE	Domain I: Science Level II	3			
CORE	Domain IIA: History	3	CS 1063 or	<i>Intro to Comp Program</i>				
ELEC	Free Elective	3	CS 1073 or	<i>Comp Prog w/ Sci Apps</i>	3			
			CS 2073 or	<i>Comp Prog w/ EGR Apps</i>	OR			
			CS 1713/1711	<i>Intro to Comp Programming</i>	4			
TOTAL		16	TOTAL		13-14			
SECOND YR								
MAT 2214	Calculus III	4	MAT 2233	Linear Algebra	3			
MAT 3013	Foundations of Math***	3	MAT 3213	Foundations of Analysis	3			
CORE	Domain IIIA: Literature	3	STA 3003	Applied Statistics	3			
POL 1013	Domain IIB: Politics	3	CORE	Domain IIIB: Arts	3			
ELEC	Free Elective	3	ELEC	Free Elective	3			
TOTAL		16	TOTAL		15			
THIRD YR								
MAT 3613	Differential Equations I^	3	MAT 4233	Modern Abstract Algebra*	3			
MAT 3633	Numerical Analysis	3	MAT/STA 3XX3	UD MAT/STA Elective	3			
STA 3513	Probability & Statistics	3	CORE	Domain IV: World Society	3			
CORE	Domain IIC: Soc/Beh Science	3	CORE	Domain IID: Economics	3			
ELEC	Free Elective	3	ELEC	Free Elective	3			
TOTAL		15	TOTAL		15			
FOURTH YR								
MAT 4213	Real Analysis I**	3	MAT 4223	Real Analysis II**	3			
MAT/STA 3XX3	UD MAT/STA Elective	3	MAT/STA 3XX3	UD MAT/STA Elective	3			
ELEC 3XX3	UD Free Elective	3	CORE	Domain IIB: Politics	3			
ELEC	Free Elective	3	CORE	Domain IIA: History	3			
ELEC	Free Elective	3	ELEC	Free Elective (2hr if CS	2-3			
TOTAL		15	TOTAL	1713/11 taken above)	14-15			

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

Total hrs listed here: 120

Notes: *offered spring only

**offered in fall and spring

Check the 2010-12 catalog for course prerequisites.

***offered fall, spring, summer

All required and elective MAT courses must be completed with a grade of "C" or better.

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.