

# UTSA BACHELOR OF SCIENCE IN MATHEMATICS

## MATHEMATICS CONC

### 2008-10

Name: \_\_\_\_\_ @ \_\_\_\_\_

<b>22 hrs Required Math:</b>	Semester	Grade	School	<b>6 hrs UD MAT/STA Electives:</b> (must be approved)	Semester	Grade	School
MAT 1214 Calculus I				(3000/4000 level)			
MAT 1223 Calculus II				MAT/STA			
MAT 2213 Calculus III				MAT/STA			
MAT 2233 Linear Algebra				note: MAT 3103, MAT 3123, MAT 3253, MAT 4013, MAT 4113,			
MAT 3013 Found of Math	Fa/Spr/Sum			MAT 4123 & MAT 4303 may NOT be used for UD MAT/STA electives			
MAT 3213 Found of Analysis	Fa/Spr/Sum			<b>39 hrs Core Curriculum</b>	See catalog for course selection.		
MAT 4213 Real Analysis I	Fa/Spr/Sum			<b>Rhetoric</b>	Course	Grade	School
<b>24-25 hrs MAT Conc Requirements:</b>				Rhetoric: 6 hrs	WRC 1013		
CS 1063, 1073, 1713/1711 OR CS 2073 Comp Programming				<b>Domain IA</b>	WRC 1023		
MAT 3243 Calculus with Appls	Fall			Mathematics: 3 hrs satisfied in major/support work			
MAT 3613 Differential Equa I	Fa/Sum			<b>Domain IB Natural Science</b>			
MAT 3633 Numerical Analysis	Fall			Science: 6 hrs - Level I			
MAT 4223 Real Analysis II	Fa/Spr			Level II			
MAT 4233 Modn Abstract Alg	Spr			<b>Domain IIA</b>			
STA 3003 Applied Statistics	Fa/Spr			U.S. History: 6 hrs			
STA 3513 Probability & Stats	Fa/Spr			HIS 1043 or 1053 or 2053			
<b>28-29 hrs Free Electives:</b>				<b>Domain IIB</b>			
including 3 hrs UD (3000/4000)	Semester	Grade	School	Political Sci: 6 hrs	POL 1013		
				POL 1133 or 1213			
				<b>Domain IIC</b>			
				Soc/Beh Sci: 3 hrs			
				<b>Domain IID</b>			
				Economics: 3 hrs			
				<b>Domain IIIA</b>			
				Literature: 3 hrs			
				<b>Domain IIIB</b>			
				The Arts: 3 hrs			
				<b>Domain IV</b>			
				World Issues & Soc: 3 hrs			

Notes/Explanations: All required and elective MAT/STA courses must be completed with a grade of "C" or better.

If MAT 1073 or 1093 must be taken as a prereq, the additional hrs may be used as free electives.

Some UD MAT and STA courses are offered ONLY once a year or once every two years. Contact the Math Dept to find out when courses will be offered. It is understood that all other provisions of the catalog must be met.

120 hrs are required for BS/MAT-MATH, including 39 UD hrs. 24 of the last 30 hrs must be completed in residence. Only one (non-transfer) MAT/STA sub is permitted: only in the semester of graduation, and only if the required course is not offered.

Advisor's Signature

Date