

# MATHEMATICS – 4<sup>th</sup> – 8<sup>th</sup> GRADE TEACHING

112  
BS.MATH.4-8  
Fall 2007-Spring 2008

## Bachelor of Science

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF SCIENCE, MATHEMATICS & TECHNOLOGY

### Teacher Certification

Student Name \_\_\_\_\_ ID # \_\_\_\_\_ Date \_\_\_\_\_

E-mail \_\_\_\_\_ Signature \_\_\_\_\_

Academic Advisor \_\_\_\_\_ Date \_\_\_\_\_

or  
Faculty Advisor \_\_\_\_\_ Date \_\_\_\_\_

GENERAL EDUCATION CORE	46 HOURS			PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION	6 HOURS £		
	HRS	GR	GPT		HRS	GR	GPT
<b>COMMUNICATION REQUIREMENT</b>	<b>9 hours</b>			EDUC 1301 Introduction to the Teaching Profession	3		
ENGL 1301 Composition I	3	†		EDUC 2301 Introduction to Special Populations	3		
ENGL 1302 Composition II or ENGL 2311 Technical Writing	3	†					
SPCH 1315 Applied Communication	3	‡		<b>PEDAGOGY AND PROFESSIONAL RESPONSIBILITY</b>	<b>21 HOURS £</b>		
				EDUC 2303 Technology in Education	3		
<b>MATH REQUIREMENT</b>	<b>3 hours</b>			EDMG 4322 Human Development and Instruction	3		
MATH 1314 College Algebra		†		EDMG 4324 Designing Inst. & Assess. To Promote Stud. Lrng.	3		
Or any higher level Math course		†		EDMG 4325 Implementing Responsive Instruction & Assessment	3		
				EDMG 4378 Teaching Mathematics in 4-8 classrooms	3		
<b>SCIENCE REQUIREMENT</b>	<b>6 hours</b>			EDMG 4648 Student Teaching 4-8	6		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).							
	3			<b>MATHEMATICS</b>	<b>38 HOURS</b>		
	3			MATH 1342 Elementary Statistics	3		
* See major ≈ Science Lab requirement	(2)			MATH 2318 Linear Algebra I	3		
<b>HUMANITIES REQUIREMENT</b>	<b>6 hours</b>			MATH 2332 Geometry I	3		
Literature class (2000 Level)	3			MATH 2413 Calculus I	4		
ARTS 1301 Art Appreciation or ARTS 1303 Art History or				MATH 2414 Calculus II	4		
MUSI 1306 Music Appreciation or MUSI 1308 Music Lit.	3			MATH 3310 Survey of Mathematics Concepts and Principles I	3		
				MATH 3317 Survey of Mathematics Concepts and Principles II	3		
<b>SOCIAL SCIENCE REQUIREMENT</b>	<b>12 hours</b>			MATH 3321 Algebra I	3		
HIST 1301 United States to 1877	3			MATH 3332 Geometry II	3		
HIST 1302 United States since 1877	3			MATH 3335 Contemporary Math I	3		
GOVT 2301 American and Texas Government	3			MATH 3336 Contemporary Math II	3		
GOVT 2302 American Government and Policy	3			MATH 4361 Problem Solving and Mathematics Modeling	3		
<b>BEHAVIORAL SCIENCE REQUIREMENT</b>	<b>3 hours</b>			<b>COMBINATION OF SUBJECTS</b>	<b>9 HOURS £</b>		
ANTH 2351 Cultural Anthropology				EDLI 4351 Content Area Literacy	3		
BUSI 1301 Introduction to Business				EDLI 4367 Literacy and the English Language Learner	3		
ECON 2301 Macroeconomics				SPED 4386 Modifications in Inclusive Settings	3		
GEOG 1303 General World Geography							
PSYC 2301 Introduction to Psychology				<b>SCIENCE</b>	<b>6 HOURS</b>		
SOCI 1301 Introduction to Sociology				PSCI 4210 Physical Science for Teachers I	2		
SOCI 2319 Mexican American Experience				PSCI 4220 Physical Science for Teachers II	2		
				* Science Lab	1		
<b>KINESIOLOGY REQUIREMENT</b>	<b>1 hour</b>			* Science Lab	1		
KINE 11 ___ Lifetime Fitness or any one hour activity course	1						
<b>MODERN LANGUAGE REQUIREMENT</b>	<b>6 hours</b>						
Six hours of the same modern language, other than English							
	3			<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
	3			<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

† Grade must be C or better.

‡ Grade must be B or better.

£ Maintain a minimum 2.50 GPA with no grade lower than a C.

Student must meet all Program Admission Requirements/Student Teaching Rqmts. Contact School of Education for further information.