

# CHEMISTRY

75  
BS.CHEM  
Fall 2008-Spring 2009

## Bachelor of Science

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF SCIENCE, MATHEMATICS AND TECHNOLOGY

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

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

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

GENERAL EDUCATION CORE	48 HOURS			MAJOR REQUIREMENTS	41 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>COMMUNICATION REQUIREMENT</b>	9 hours			<b>CORE COURSES FOR THE MAJOR</b>	35 hours		
ENGL 1301 Composition I	3	†		CHEM 2323 Organic Chemistry I	3		
ENGL 1302 Composition II <i>or</i> ENGL 2311 Technical Writing	3	†		CHEM 2123 Organic Chemistry Laboratory I	1		
SPCH 1315 Applied Communication	3			CHEM 2325 Organic Chemistry II	3		
				CHEM 2125 Organic Chemistry Laboratory II	1		
<b>MATH REQUIREMENT</b>	3 hours			CHEM 3301 Inorganic Chemistry	3		
MATH 2413 Calculus I	3*	†		CHEM 3305 Analytical Chemistry	3		
				CHEM 3105 Analytical Chemistry Laboratory	1		
<b>SCIENCE REQUIREMENT</b>	8 hours			CHEM 3310 Physical Chemistry I	3		
CHEM 1311 & CHEM 1111 General Chemistry I & Lab I	3,1			CHEM 3110 Physical Chemistry Laboratory I	1		
CHEM 1312 & CHEM 1112 General Chemistry II & Lab II	3,1			CHEM 3312 Physical Chemistry II	3		
				CHEM 3112 Physical Chemistry Laboratory II	1		
<b>HUMANITIES REQUIREMENT</b>	6 hours			CHEM 4110 Chemical Seminar	1		
Literature (ENGL 2000 level)	3			CHEM 3303 Biochemistry I	3		
ARTS 1301 Art Appreciation <i>or</i> ARTS 1303 Art History <i>or</i>				CHEM 3103 Biochemistry Laboratory I	1		
MUSI 1306 Music Appreciation <i>or</i> MUSI 1308 Music Lit.	3			CHEM 4305 Instrumental Methods of Analysis	3		
				CHEM 4105 Instrumental Methods of Analysis Laboratory	1		
<b>SOCIAL SCIENCE REQUIREMENT</b>	12 hours			CHEM 4320 Chemistry Problems	3		
HIST 1301 United States to 1877	3						
HIST 1302 United States since 1877	3			<b>CHEMISTRY ELECTIVES</b>	6 hours		
GOVT 2301 American and Texas Government	3			(6 hours must be advanced 3000, 4000 level)			
GOVT 2302 American Government and Policy	3			CHEM	Advanced	3	
				CHEM	Advanced	3	
<b>BEHAVIORAL SCIENCE REQUIREMENT</b>	3 hours			<b>SUPPORT COURSES</b>	19 - 20 HOURS		
ANTH 2351 Cultural Anthropology				PHYS 1301 General Physics I	3		
BUSI 1301 Introduction to Business				PHYS 1101 General Physics Laboratory I	1		
ECON 2301 Macroeconomics				PHYS 1302 General Physics II	3		
GEOG 1303 General World Geography				PHYS 1102 General Physics Laboratory II	1		
PSYC 2301 Introduction to Psychology				MATH 2413 Calculus I	1*	†	
SOCI 1301 Introduction to Sociology				MATH 2414 Calculus II	4		
SOCI 2319 The Mexican American Experience				MATH 3349 Differential Equations <i>or</i> MATH 2415 Calculus III	3 - 4		
<b>KINESIOLOGY REQUIREMENT</b>	1 hour			COSC 1310 Computer Literacy	3		
KINE 11____ (One hour of activity/health/wellness/ fitness)	1			<b>ELECTIVES</b>	11 - 12 HOURS		
<b>MODERN LANGUAGE REQUIREMENT</b>	6 hours			(11 hours if MATH 2415 or 12 hrs if MATH 3349 in Support Courses)			
Six hours of same modern language, other than English.							
	3						
	3						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	120		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	36		

† Grade of "C" or better is required for graduation.

\* MATH 2413 - 3 sch for general education and 1 sch for support courses.