

PHYSICS – Biophysics Specialization

105
BS.PHYS.BIO
Fall 2008-Spring 2009

Bachelor of Science

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE
COLLEGE OF SCIENCE, MATH & TECHNOLOGY

Student Name _____ ID # _____ Date _____

E-mail _____ Signature _____

Academic or Faculty Advisor _____ Date _____

GENERAL EDUCATION CORE	48 HOURS			MAJOR REQUIREMENTS	51 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
COMMUNICATION REQUIREMENT	9 hours			CORE COURSES FOR THE MAJOR	29 hours		
ENGL 1301 Composition I	3	†		PHYS 3400 Modern Physics	4		
ENGL 1302 Composition II <i>or</i> ENGL 2311 Technical Writing	3	†		PHYS 3201 Advanced Physics Lab I	2		
SPCH 1315 Applied Communication	3			PHYS 3310 Classical Mechanics	3		
				PHYS 3320 Thermodynamics	3		
MATH REQUIREMENT	3 hours			PHYS 3490 Mathematics for Scientists and Engineers I	4		
MATH 2413 Calculus I	3*	†		PHYS 3492 Mathematics for Scientists and Engineers II	4		
				PHYS 4300 Undergraduate Research	3		
SCIENCE REQUIREMENT	8 hours			PHYS 4320 Quantum Mechanics	3		
PHYS 2325 & PHYS 2125 University Physics I & Lab I	3,1			PHYS 4330 Electromagnetic Theory	3		
PHYS 2326 & PHYS 2126 University Physics II & Lab II	3,1						
				BIOPHYSICS CORE	22 hours		
HUMANITIES REQUIREMENT	6 hours			CHEM 2323 Organic Chemistry	3		
Literature (ENGL 2000 level)	3			CHEM 2123 Organic Chemistry Laboratory	1		
ARTS 1301 Art Appreciation <i>or</i> ARTS 1303 Art History <i>or</i>				BIOL 3312 Cell Biology	3		
MUSI 1306 Music Appreciation <i>or</i> MUSI 1308 Music Lit.	3			BIOL 3112 Cell Biology Laboratory	1		
				CHEM 3303 Biochemistry	3		
SOCIAL SCIENCE REQUIREMENT	12 hours			CHEM 3103 Biochemistry Laboratory	1		
HIST 1301 United States to 1877	3			PHYS 3315 Biophysics	3		
HIST 1302 United States Since 1877	3			PHYS 4315 Analysis Bioengineering	3		
GOVT 2301 American and Texas Government	3			BENG 4320 Molecular Bioengineering	3		
GOVT 2302 American Government and Policy	3			BENG 4120 Molecular Bioengineering Laboratory	1		
BEHAVIORAL SCIENCE REQUIREMENT	3 hours			SUPPORT COURSES	21 HOURS		
ANTH 2351 Cultural Anthropology				MATH 2413 Calculus I	1*	†	
BUSI 1301 Introduction to Business				MATH 2414 Calculus II	4		
ECON 2301 Macroeconomics				CHEM 1311 General Chemistry I	3		
GEOG 1303 General World Geography				CHEM 1111 General Chemistry I Laboratory	1		
PSYC 2301 Introduction to Psychology				CHEM 1312 General Chemistry II	3		
SOCI 1301 Introduction to Sociology				CHEM 1112 General Chemistry II Laboratory	1		
SOCI 2319 The Mexican American Experience				BIOL 1306 General Biology I	3		
				BIOL 1106 General Biology I Laboratory	1		
KINESIOLOGY REQUIREMENT	1 hour			BIOL 1307 General Biology II	3		
KINE 11____ (One hour of activity/health/wellness/fitness)	1			BIOL 1107 General Biology II Laboratory	1		
MODERN LANGUAGE REQUIREMENT	6 hours						
Six hours of same modern language, other than English							
	3			TOTAL CREDIT HOURS FOR GRADUATION	120		
	3			TOTAL ADVANCED HOURS (minimum)	36		

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

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