

**UTB Legacy  
Degree Programs  
2009 – 2010**

**THE UNIVERSITY OF TEXAS AT BROWNSVILLE AND TEXAS SOUTHMOST COLLEGE**  
**TABLE OF CONTENTS**  
**2009-2010 PROGRAMS OF STUDY**

**General Education Core**

Applied Business Technology

Business  
 Legal Studies  
 Workforce Leadership and Training

BAAS.APBT  
 BAAS.APBT.LS  
 BAAS.APBT.WLT

Applied Engineering Technology and Training

Art  
 Biology  
*Business*

BAT.AETT  
 BA.ARTS  
 BS.BIOL

Accounting  
 Entrepreneurship  
 International Business  
 Management  
 Marketing

BBA.ACCT  
 BBA.ENTR  
 BBA.INTL  
 BBA.MANA  
 BBA.MARK

Chemistry  
 Communication  
 Computer Information Systems Technology  
 Computer Science  
*Criminal Justice*

BS.CHEM  
 BA.COMM  
 BAT.CIS  
 BS.COSC

Correctional Administration  
 Online Criminology & Criminal Justice  
 Police Administration

BSCJ.CA  
 BSCJ.OL  
 BSCJ.PA

*Engineering Physics*

Bioengineering  
 Computer Engineering  
 Electrical Engineering  
 Mechanical Engineering

BS.ENGR.PHYS.BIOE  
 BS.ENGR.PHYS.COMPE  
 BS.ENGR.PHYS.ELET  
 BS.ENGR.PHYS.MECH

*Engineering Technology*

Electronics  
 Manufacturing  
 Mechanical

BS.ELET  
 BS.MFET  
 BS.MEET

English  
 Environmental Sciences  
 Government  
 Health Services Technology  
 History  
 Interdisciplinary Studies  
 Kinesiology  
 Kinesiology – Exercise Science  
 Mathematics  
*Music*

BA.ENGL  
 BS.ENVR  
 BA.GOVT  
 BAT.HST  
 BA.HIST  
 BAAS.ID  
 BS.KINE  
 BS.KINE.ES  
 BS.MATH

Guitar  
 Instrumental  
 Keyboard  
 Vocal

BM.GUIT  
 BM.INST  
 BM.KEYB  
 BM.VOCAL

Nursing  
 Physics

BSN.NURS  
 BS.PHYS

Physics - Biophysics Specialization  
 Psychology  
 Public Service  
 Sociology  
 Spanish  
 Spanish Translation and Interpreting  
 Workforce Leadership and Training

BS.PHYS.BIO  
 BA.PSYC  
 BA.PUSR  
 BA.SOCI  
 BA.SPAN  
 BA.TRSP  
 BAT.WLT

**THE UNIVERSITY OF TEXAS AT BROWNSVILLE AND TEXAS SOUTHMOST COLLEGE**  
**TABLE OF CONTENTS**  
**2009-2010 PROGRAMS OF STUDY**

**Bachelor Programs – Teacher Certification**

Elementary Education – Grades Early Childhood through 6<sup>th</sup> Grade

Early Childhood through 6 <sup>th</sup> Grade Bilingual Generalist	BAIS.EC-6.BILC.GEN
Early Childhood through 6 <sup>th</sup> Grade English as a Second Language Generalist	BAIS.EC-6.ESL.GEN
Early Childhood through 6 <sup>th</sup> Grade Generalist/EC through 12 <sup>th</sup> Special Education	BAIS.EC-6.SPED.GEN

Middle School – Grades 4<sup>th</sup> through 8<sup>th</sup> Grade

English-Language Arts Grades 4 <sup>th</sup> through 8 <sup>th</sup>	BA.ENGL.4-8
Mathematics Grades 4 <sup>th</sup> through 8 <sup>th</sup>	BS.MATH.4-8
Science Grades 4 <sup>th</sup> through 8 <sup>th</sup>	BS.SCI.4-8

High School – Grades 8<sup>th</sup> through 12<sup>th</sup>

English-Language Arts Grades 8 <sup>th</sup> through 12 <sup>th</sup>	BA.ENGL.8-12
History Grades 8 <sup>th</sup> through 12 <sup>th</sup>	BA.HIST.8-12
History/Social Studies Grades 8 <sup>th</sup> through 12 <sup>th</sup>	BA.HIST.SS.8-12
Mathematics Grades 8 <sup>th</sup> through 12 <sup>th</sup>	BS.MATH.8-12
Science Grades 8 <sup>th</sup> through 12 <sup>th</sup>	
Biology	BS.BIOL.8-12
Chemistry	BS.CHEM.8-12
Environmental Sciences	BS.ENVR.8-12
Physics	BS.PHYS.8-12

Early Childhood through 12<sup>th</sup> Grade

Art – EC through 12 <sup>th</sup>	BA.ARTS.EC-12
Kinesiology – EC through 12 <sup>th</sup>	BS.KINE.EC-12
Music – EC through 12 <sup>th</sup>	
Guitar	BM.GUIT.EC-12
Instrumental	BM.INST.EC-12
Keyboard	BM.KEYB.EC-12
Vocal	BM.VOCAL.EC-12
Spanish – EC through 12 <sup>th</sup>	BA.SPAN.EC-12

BAT (Bachelor of Applied Technology)

Computer Information Systems Technology EC through 12 <sup>th</sup>	BAT.CIS.EC-12
Health Services Technology - Teaching	BAT.HST.TEACH

**THE UNIVERSITY OF TEXAS AT BROWNSVILLE AND TEXAS SOUTHWEST COLLEGE**  
**TABLE OF CONTENTS**  
**2009-2010 PROGRAMS OF STUDY**



**MINORS**

- 1 Arts
- 2 Art History
- 3 Business
- 4 French

- 5 Military Science
- 6 Spanish
- 7 Spanish Translation

**INSTITUTIONAL AWARDS**

- xx1 Bilingual Proficiency Cert
- xx2 Historical Building Restoration
- xx3 Jazz

- xx5 Mariachi Studies
- xx6 Forensic Investigation
- xx7 Polysomnography

UTB  
TSC

**The University of Texas at Brownsville and Texas Southmost College**  
**General Education Core Curriculum**  
**2009 - 2010**

**010 - Communication (2 courses - 6 hours required)**

English 1301 – Composition I (minimum grade of C)

English 1302 – Composition II (minimum grade of C)

**011 - Additional Communication (2 courses - 6 hours required)**

Spanish 1311 – Elementary Spanish I

Spanish 1312 – Elementary Spanish II

Spanish 2313 – Basic Spanish for Bilinguals I

Spanish 2315 – Basic Spanish for Bilinguals II

Spanish 2311 – Intermediate Spanish I

Spanish 2312 – Intermediate Spanish II

Spanish 2316 – Career Spanish

Spanish 2317 – Business Spanish

Spanish 2321 – Hispanic Language & Culture I

Spanish 2322 – Hispanic Language & Culture II

French 1311 – Elementary French I

French 1312 – Elementary French II

French 2311 – Intermediate French I

French 2312 – Intermediate French II

German 1311 – Elementary German I

German 1312 – Elementary German II

German 2311 – Intermediate German I

German 2312 – Intermediate German II

Arabic 1311 – Elementary Arabic I

Arabic 1312 – Elementary Arabic II

Chinese 1311 – Beginning Chinese I

Chinese 1312 – Beginning Chinese II

Italian 1311 – Elementary Italian I

Italian 1312 – Elementary Italian II

Japanese 1311 – Elementary Japanese I

Japanese 1312 – Elementary Japanese II

Sign Language 1301 – Beginning American Sign Language I

Sign Language 1302 – Beginning American Sign Language II

**020 - Mathematics (1 course – 3 hours required; minimum grade of C)**

Math 1314 – College Algebra

Math 1316 – Trigonometry

Math 1324 – Mathematics for Business and Social Sciences I

Math 1325 – Mathematics for Business and Social Sciences II

Math 1332 – Math for Liberal Arts

Math 1342 – Elementary Statistics

Math 1348 – Analytic Geometry

Math 1350 – Fundamentals of Mathematics for Teachers I

Math 1351 – Fundamentals of Mathematics for Teachers II

Math 2305 – Discrete Mathematic

Math 2318 – Linear Algebra

Math 2321 – Differential Equations and Linear Algebra

Math 2412 – Pre-Calculus Mathematics

Math 2413 – Calculus I

**030 - Natural Science (2 courses, 2 labs – 8 hours required)**

Biology 1306/1106 – General Biology I with lab

Biology 1307/1107 – General Biology II with lab

Biology 1308/1108 – Biological Concepts I with lab

Biology 1309/1109 – Biological Concepts II with lab

Biology 2301/2101 – Human Anatomy and Physiology I  
with lab

Biology 2302/2102 – Human Anatomy and Physiology II  
with lab

Chemistry 1305/1105 – Introductory Chemistry I with lab

Chemistry 1307/1107 – Introductory Chemistry II with lab

Chemistry 1311/1111 – General Chemistry I with lab

Chemistry 1312/1112 – General Chemistry II with lab

Environmental Science 1301/1101 – Introduction to  
Environmental Science I with lab

Environmental Science 1302/1102 – Introduction to  
Environmental Science II with lab

Geology 1301/1101 – Principles of Earth Sciences with lab

Geology 1303/1103 – Physical Geology with lab

Geology 1304/1104 – Historical Geology with lab

Geology 1347/1147 – Meteorology with lab

Physics 1301/1101 – General Physics I with lab

Physics 1302/1102 – General Physics II with lab

Physics 1305/1105 – Elementary Physics and Acoustics with lab

Physics 1310/1110 – Conceptual Physics with lab

Physics 1311/1111 – Introduction to Astronomy with lab

Physics 1315/1115 – 21<sup>st</sup> Century Energy Issues:  
Physical Science I

Physics 1401 – College Physics I

Physics 1402 – College Physics II

Physics 2325/2125 – University Physics I with lab

Physics 2326/2126 – University Physics II with lab

**The University of Texas at Brownsville and Texas Southmost College  
General Education Core Curriculum  
2009 - 2010**

**040 - Humanities (1 course – 3 hours required)**

English 2332 – World Literature to 1660

English 2333 – World Literature since 1660

**050 - Visual and Performing Arts (1 course – 3 hours required)**

Arts 1301 – Art Appreciation

Arts 1303 – Art History Survey I

Music 1304 – Teaching Music in the Elementary School

Music 1306 – Music Appreciation

Music 1308 – Music Literature and History I

**060 - History (2 courses – 6 hours required)**

History 1301 – United States to 1877

History 1302 – United States since 1877

**070 - Government (2 courses – 6 hours required)**

Government 2301 – American and Texas Government

Government 2302 – American Government and Policy

**080 - Social and Behavioral Sciences (1 course – 3 hours required)**

Anthropology 2351 – Cultural Anthropology

Business 1301 – Introduction to Business

Economics 2301 – Macroeconomics

Geography 1303 – General World Geography

Psychology 2301 – Introduction to Psychology

Sociology 1301 – Introduction to Sociology

Sociology 2319 – The Mexican American Experience

**090 - Institutionally Designated Option (2 courses – 4 hours required)**

Kinesiology 1164 *or* any one-hour activity course

And one of these:

Speech 1315 – Applied Communication

Speech 1318 – Interpersonal Communication

**48 Total Credit Hours**

# APPLIED BUSINESS TECHNOLOGY

BAAS.APBT  
2009 – 2010

## Bachelor of Applied Arts and Sciences (B.A.A.S.) ^

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF APPLIED TECHNOLOGY AND GENERAL STUDIES

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			AAS DEGREE OR EQUIVALENT	33 HOURS		
	HRS	GR	SEM	Degree Major:			
<b>010 - COMMUNICATION</b>	6 hours			Institution:			
	3	†		Date:			
	3	†					
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			<b>PROFESSIONAL DEVELOPMENT SEQUENCE</b>	<b>15 HOURS</b>		
Six hours of modern language, other than English.				APBT 3312 Administrative Office Management	3		
	3			APBT 3335 Applied Organizational Communication	3		
	3			APBT 3309 Workforce Ethics	3		
				APBT 3322 Information and Technology in Organizations	3		
<b>020 - MATHEMATICS</b>	3 hours			APBT 4391 Current Issues in Applied Technology	3		
	3	†					
				<b>BUSINESS* (MANAGEMENT or ACCOUNTING**)</b>	<b>24 HOURS</b>		
<b>030 - NATURAL SCIENCE</b>	8 hours			<b>(12 hours must be advanced 3000, 4000 level)</b>			
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				Advanced	3	*	
	3,1			Advanced	3	*	
	3,1			Advanced	3	*	
				Advanced	3	*	
<b>040 - HUMANITIES</b>	3 hours			<b>Non Business Electives (12 hours must be advanced 3000, 4000 level) #</b>			
	3			Advanced	3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			Advanced	3		
	3			Advanced	3		
				Advanced	3		
<b>060 - HISTORY</b>	6 hours						
	3						
	3						
<b>070 - GOVERNMENT</b>	6 hours						
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours						
	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11____ (One hour of activity/health/wellness/ fitness)	1						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
SPEECH	3			<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

# Electives must be Non-Business and must be selected with the approval of a College of Applied Technology & General Studies Advisor. Electives must be upper level 3000, 4000 courses.

\* Students must have a minimum 2.5 GPA in General Education Core and request admission to upper division from the College of Applied Technology and General Studies.

\*\* Students must have completed an AAS in Accounting Technology.

^ Not a School of Business Degree.

The General Education Core courses listed are those recommended for this major.

Bachelor of Applied Arts and Sciences (B.A.A.S.) ^

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF APPLIED TECHNOLOGY AND GENERAL STUDIES

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			AAS DEGREE OR EQUIVALENT	33 HOURS			
	HRS	GR	SEM	Degree Major:				
<b>010 - COMMUNICATION</b>	6 hours			Institution:				
	3	†		Date:				
	3	†						
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			<b>PROFESSIONAL DEVELOPMENT SEQUENCE</b>			<b>15 HOURS</b>	
Six hours of modern language, other than English.				APBT 3312	Administrative Office Management	3		
	3			APBT 3335	Applied Organizational Communication	3		
	3			APBT 3309	Workforce Ethics	3		
				APBT 3322	Information and Technology in Organizations	3		
<b>020 - MATHEMATICS</b>	3 hours			APBT 4391	Current Issues in Applied Technology	3		
	3	†						
<b>030 - NATURAL SCIENCE</b>	8 hours			<b>LEGAL STUDIES</b>			<b>24 HOURS</b>	
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				ALAW 3307	Civil Litigation Advanced	3		
	3,1			ALAW 3312	Evidence	3		
	3,1			ALAW 3315	Criminal Law and Procedure Advanced	3		
				ALAW 4301	Legal Research and Writing	3		
				ALAW 4310	Appeals and Brief Writing	3		
<b>040 - HUMANITIES</b>	3 hours			<b>Electives (9 hours must be advanced 3000, 4000 level) #</b>				
	3				Advanced	3		
					Advanced	3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours				Advanced	3		
	3							
<b>060 - HISTORY</b>	6 hours							
	3							
	3							
<b>070 - GOVERNMENT</b>	6 hours							
	3							
	3							
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours							
	3							
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours							
KINE 11__ (One hour of activity/health/wellness/ fitness)	1							
<b>TOTAL CREDIT HOURS FOR GRADUATION</b>						<b>120</b>		
SPEECH	3			<b>TOTAL ADVANCED HOURS (minimum)</b>			<b>36</b>	

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

# Electives must be Non-Business and must be selected with the approval of a College of Applied Technology & General Studies Advisor. Electives must be upper level 3000, 4000 courses.

^ Not a School of Business Degree.

The General Education Core courses listed are those recommended for this major.



# APPLIED BUSINESS TECHNOLOGY – WORKFORCE LEADERSHIP AND TRAINING

BAAS.APBT.WLT  
2009 – 2010

## Bachelor of Applied Arts and Sciences (B.A.A.S.)<sup>^</sup>

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF APPLIED TECHNOLOGY AND GENERAL STUDIES

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			AAS DEGREE OR EQUIVALENT	33 HOURS		
	HRS	GR	SEM	Degree Major:			
<b>010 - COMMUNICATION</b>	6 hours			Institution:			
	3	†		Date:			
	3	†					
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			<b>PROFESSIONAL DEVELOPMENT SEQUENCE</b>	<b>15 HOURS</b>		
Six hours of modern language, other than English.				APBT 3312 Administrative Office Management	3		
	3			APBT 3335 Applied Organizational Communication	3		
	3			APBT 3309 Workforce Ethics	3		
				APBT 3322 Information and Technology in Organizations	3		
<b>020 - MATHEMATICS</b>	3 hours			APBT 4391 Current Issues in Applied Technology	3		
	3	†					
				<b>WORKFORCE LEADERSHIP AND TRAINING</b>	<b>24 HOURS</b>		
<b>030 - NATURAL SCIENCE</b>	8 hours			MANA 3361 Principles of Management			
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				MANA 3362 Human Resource Management*			
	3,1			MANA 4366 Small Business Management*			
	3,1			MARK 3371 Principles of Marketing			
				TECT 3301 Foundations of Technology Training***			
<b>040 - HUMANITIES</b>	3 hours			TECT 3302 Psychology of Technology Training***			
	3			TECT 3303 Training Methods in Industry ***			
				TECT 4304 The Trainer & Consultant for Technology Education***			
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours						
	3						
<b>060 - HISTORY</b>	6 hours						
	3						
	3						
<b>070 - GOVERNMENT</b>	6 hours						
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours						
	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11__ (One hour of activity/health/wellness/ fitness)	1						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
SPEECH	3			<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

\* Students must have a minimum 2.5 GPA in General Education Core and request admission to upper division from the College of Applied Technology and General Studies.

\*\*\* Technology Training Certificate awarded for 12 hours training block.

<sup>^</sup> Not a School of Business Degree.

The General Education Core courses listed are those recommended for this major.

# APPLIED ENGINEERING TECHNOLOGY AND TRAINING

BAT.AETT  
2009-2010

## Bachelor of Applied Technology (B.A.T.)

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF APPLIED TECHNOLOGY AND GENERAL STUDIES

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			*AS/AAS DEGREE IN RELATED FIELD OR EQUIVALENT	34 HOURS		
	HRS	GR	SEM	Degree Major:			
<b>010 - COMMUNICATION</b>	6 hours			Institution:			
	3	†		Date:			
	3	†					
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours						
Six hours of modern language, other than English.				<b>APPLIED ENGINEERING TECHNOLOGY AND TRAINING TRACK</b>	<b>38 HOURS</b>		
	3			MATH 1342 Elementary Statistics (or ENGT 2303)	3		
	3			ENGTU 2407 Engineering Materials	4		
				ENGR 4407 Manufacturing Process Technologies	4		
<b>020 - MATHEMATICS</b>	3 hours			MFET 3311 International Quality Assurance Systems	3		
MATH 1314 College Algebra <i>required for major</i> <b>or</b>	3	†		MFET 3320 Product and Processing Design	3		
Any higher level Math Course				MFET 3325 Manufacturing Process Planning	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			MFET 3331 Computer Aided Manufacturing	3		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				MFET 3332 Robots in Manufacturing	3		
CHEM 1311/1111 General Chemistry I & Lab I <i>required for major</i>	3,1			ENGT 3320 Engineering Economics	3		
	3,1			TECT 3301 Foundations of Technology Training	3		
				TECT 3302 Psychology of Technology Training	3		
<b>040 - HUMANITIES</b>	3 hours			TECT 3303 Training Methods in Industry	3		
	3						
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours						
	3						
<b>060 - HISTORY</b>	6 hours						
	3						
	3						
<b>070 - GOVERNMENT</b>	6 hours						
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours						
	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11__ (One hour of activity/health/wellness/ fitness)	1						
<b>SPEECH</b>	3			<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>30</b>		

† Grade of "C" or better is required for graduation.  
The General Education Core courses listed are those recommended for this major.  
\*AS/ASS and a Technical Field approval by department.

**Bachelor of Arts**

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF LIBERAL ARTS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	72 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			<b>CORE COURSES FOR THE MAJOR</b>	<b>18 hours</b>		
	3	†		ARTS 1304 Art History Survey II	3		
	3	†		ARTS 1311 Two Dimensional Design	3		
				ARTS 1312 Three Dimensional Design	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			ARTS 1316 Drawing I	3		
Six hours of modern language, other than English.				ARTS 1317 Drawing II	3		
	3			ARTS 4393 Senior Exhibit	3		
	3						
				<i>Choose from the following:</i>	<b>9 hours</b>		
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			ARTS 2313 Computer Imaging I			
	3	†		ARTS 2316 Painting I			
				ARTS 2333 Printmaking I			
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			ARTS 2356 Photography I			
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				ARTS 2326 Sculpture I			
	3,1			ARTS 2346 Ceramics I			
	3,1						
				<i>Choose from the following:</i>	<b>9 hours</b>		
<b>040 - HUMANITIES</b>	<b>3 hours</b>			ARTS 2314 Computer Imaging II			
	3			ARTS 2317 Painting II			
				ARTS 2334 Printmaking II			
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			ARTS 2357 Photography II			
ARTS 1303 Art History Survey I <i>required for major</i>	3			ARTS 2327 Sculpture II			
				ARTS 2347 Ceramics II			
<b>060 - HISTORY</b>	<b>6 hours</b>						
	3			<i>Choose from the following:</i>	<b>6 - 12 hours</b>		
	3			ARTS 3303 Italian Renaissance Art (1400-1650)			
				ARTS 3338 Creative and Critical Thinking in Art			
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			ARTS 3340 History of Women in Art			
	3			ARTS 3352 Contemporary Art			
	3			ARTS 3382 19 <sup>TH</sup> Century Euro. Art Hist. (1789-1900)			
				ARTS 4353 American Art			
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>			ARTS 4354 Latin American Art & Literature			
	3			ARTS 4355 Span Medieval, Renaissance & Baroque			
				ARTS 4387 Far Eastern Art History			
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>			ARTS 4390 Topics in Art History			
KINE 11__ (One hour of activity/health/wellness/ fitness)	1						
				<i>Choose from the following:</i>	<b>24 - 30 hours</b>		
SPEECH	3			ARTS 3314 Individual Problems ^			
				ARTS 3321 Advanced Painting ^			
				ARTS 3323 Advanced Drawing ^			
				ARTS 3326 Advanced Sculpture ^			
				ARTS 3371 Advanced Ceramics ^			
				ARTS 4331 Advanced Computer Imaging ^			
				ARTS 4334 Advanced Printmaking ^			
				ARTS 4359 Advanced Photography ^			
				ARTS 4391 Studio Art General ^			
				ARTS 4337 Internship in Art Studio ^			
				^ May be repeated four times for credit			
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

† Grade of "C" or better is required for graduation.  
The General Education Core courses listed are those recommended for this major.



# ACCOUNTING

BBA.ACCT  
2009 – 2010

## Bachelor of Business Administration

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
SCHOOL OF BUSINESS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			BUSINESS ADMINISTRATION LOWER DIVISION CORE	18 HOURS		
	HRS	GR	SEM				
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			ACCT 2301 Principles of Accounting I	3	†	
				ACCT 2302 Principles of Accounting II	3	†	
	3	†		BMISU 1310 Data Management Tools	3	†	
	3	†		BUSI 1301 Introduction to Business	3	†	
				BUSIU 2341 Statistics	3	†	
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			ECON 2302 Microeconomics	3	†	
Six hours of modern language, other than English.							
	3			<b>BUSINESS ADMINISTRATION UPPER DIVISION CORE</b>	<b>30 HOURS</b>		
	3			BLAW 3337 Business Law I	3		
				BUSI 3343 Decision Analysis	3	**	
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			ENGL 3322 Business Communication	3		
MATH 1314 College Algebra <i>required for major</i>	3	†		MANA 3361 Principles of Management	3		
				MARK 3371 Principles of Marketing	3		
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			ACCT 3351 Information Systems in Organizations	3	**	
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).							
	3,1			FINA 3380 Managerial Finance	3	**	
	3,1			ACCT 4350 Ethics for Accountants	3	**	
				MANA 3363 Operations Management	3	**	
				BUSI 4369 Business Policy *	3	**	
<b>040 - HUMANITIES</b>	<b>3 hours</b>			<b>ACCOUNTING MAJOR</b>	<b>24 HOURS</b>		
	3			ACCT 3321 Intermediate Accounting I	3	†**	
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			ACCT 3322 Intermediate Accounting II	3	†**	
	3			ACCT 3323 Federal Income Tax	3	†**	
				ACCT 3324 Cost Management	3	†**	
<b>060 - HISTORY</b>	<b>6 hours</b>			ACCT 4321 Advanced Accounting	3	**	
	3			ACCT 4324 Auditing	3	†**	
	3			ACCT 4331 Accounting Report Writing	3	**	
<b>Select 3 hours from the following list:</b>							
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			ACCT 3325 Governmental & Not-for Profit Accounting		**	
	3			ACCT 4323 Contemporary Accounting Theory		**	
	3			ACCT 4327 Advanced Managerial Accounting		**	
				ACCT 4328 Seminar in Auditing		**	
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>			ACCT 4329 Corporation and Partnership Tax		**	
ECON 2301 Macroeconomics <i>required for major</i>	3	†					
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>						
KINE 11__ (One hour of activity/health/wellness/ fitness)	1						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
SPEECH	3			<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

\* Need Departmental approval

\*\* Student must obtain approval for admission to Upper Division (2.5 GPA and AABA or 6 hrs. from completion).

For graduation, a student must have a 2.5 cumulative GPA, a 2.5 GPA in the major and a 2.5 GPA in the upper division core.

The General Education Core courses listed are those recommended for this major.

# ENTREPRENEURSHIP

BBA.ENTR  
2009 – 2010

## Bachelor of Business Administration

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
SCHOOL OF BUSINESS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			BUSINESS ADMINISTRATION LOWER DIVISION CORE	18 HOURS		
	HRS	GR	SEM	ACCT 2301 Principles of Accounting I	3	†	
<b>010 - COMMUNICATION</b>	6 hours			ACCT 2302 Principles of Accounting II	3	†	
	3	†		BMISU 1310 Data Management Tools	3	†	
	3	†		BUSI 1301 Introduction to Business	3	†	
				BUSIU 2341 Statistics	3	†	
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			ECON 2302 Microeconomics	3	†	
Six hours of modern language, other than English.							
	3			BUSINESS ADMINISTRATION UPPER DIVISION CORE	30 HOURS		
	3			BLAW 3337 Business Law I	3		
				BUSI 3343 Decision Analysis	3	**	
<b>020 - MATHEMATICS</b>	3 hours			ENGL 3322 Business Communication	3		
MATH 1314 College Algebra <i>required for major</i>	3	†		MANA 3361 Principles of Management	3		
				MARK 3371 Principles of Marketing	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			BMIS/ ACCT 3351 Information Systems in Organizations	3	**	
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).							
	3,1			FINA 3380 Managerial Finance	3	**	
	3,1			MANA 4352 Business and Society	3		
				MANA 3363 Operations Management	3	**	
				BUSI 4369 Business Policy *	3	**	
<b>040 - HUMANITIES</b>	3 hours			ENTREPRENEURSHIP MAJOR	24 HOURS		
	3			ACCT 3324 Cost Management	3	**	
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			BMIS 3303 E- Commerce Strategies	3	**	
	3			ENTR 3340 New Venture Creation & Innovation	3		
				ENTR 4360 Entrepreneurial Finance	3	**	
<b>060 - HISTORY</b>	6 hours			INTL 4371 International Marketing	3	**	
	3			MANA 4366 Small Business Management	3	**	
	3			MARK 3372 Consumer Behavior	3	**	
				MARK 4378 Marketing Research	3	**	
<b>070 - GOVERNMENT</b>	6 hours						
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours						
ECON 2301 Macroeconomics <i>required for major</i>	3	†					
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11__ (One hour of activity/health/wellness/ fitness)	1						
				TOTAL CREDIT HOURS FOR GRADUATION	120		
SPEECH	3			TOTAL ADVANCED HOURS (minimum)	36		

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

\* Need Departmental approval

\*\* Student must obtain approval for admission to Upper Division (2.5 GPA and AABA or 6 hrs. from completion.)

For graduation, a student must have a 2.5 cumulative GPA, a 2.5 GPA in the major, and a 2.5 GPA in the upper division core.

The General Education Core courses listed are those recommended for this major.

# INTERNATIONAL BUSINESS

BBA.INTL  
2009 – 2010

## Bachelor of Business Administration

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
SCHOOL OF BUSINESS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			BUSINESS ADMINISTRATION LOWER DIVISION CORE	18 HOURS		
	HRS	GR	SEM				
<b>010 - COMMUNICATION</b>	6 hours			ACCT 2301 Principles of Accounting I	3	†	
	3	†		ACCT 2302 Principles of Accounting II	3	†	
	3	†		BMISU 1310 Data Management Tools	3	†	
				BUSI 1301 Introduction to Business	3	†	
				BUSIU 2341 Statistics	3	†	
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			ECON 2302 Microeconomics	3	†	
Six hours of modern language, other than English.							
	3						
	3						
				<b>BUSINESS ADMINISTRATION UPPER DIVISION CORE</b>	<b>30 HOURS</b>		
				BLAW 3337 Business Law I	3		
				BUSI 3343 Decision Analysis	3	**	
<b>020 - MATHEMATICS</b>	3 hours			ENGL 3322 Business Communication	3		
MATH 1314 College Algebra <i>required for major</i>	3	†		MANA 3361 Principles of Management	3		
				MARK 3371 Principles of Marketing	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			BMIS/ ACCT 3351 Information Systems in Organizations	3	**	
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				FINA 3380 Managerial Finance	3	**	
	3,1			MANA 4352 Business and Society	3		
	3,1			MANA 3363 Operations Management	3	**	
				BUSI 4369 Business Policy *	3	**	
<b>040 - HUMANITIES</b>	3 hours						
	3			<b>INTERNATIONAL BUSINESS MAJOR</b>	<b>24 HOURS</b>		
				BMIS 3303 E- Commerce Strategies	3	**	
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			INTL 3331 International Law	3	**	
	3			INTL 3392 Supply Chain Management	3	**	
				INTL 4361 International Management	3	**	
<b>060 - HISTORY</b>	6 hours			INTL 4371 International Marketing	3	**	
	3			INTL 4381 International Finance and Economics	3	**	
	3			INTL 4393 Topics in International Business	3	**	
				MARK 3372 Consumer Behavior	3	**	
<b>070 - GOVERNMENT</b>	6 hours						
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours						
ECON 2301 Macroeconomics <i>required for major</i>	3	†					
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11___ (One hour of activity/health/wellness/ fitness)	1						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
SPEECH	3			<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

\* Need Departmental approval

\*\* Student must obtain approval for admission to Upper Division (2.5 GPA and AABA or 6 hrs. from completion.)

For graduation, a student must have a 2.5 cumulative GPA, a 2.5 GPA in the major, and a 2.5 GPA in the upper division core.

The General Education Core courses listed are those recommended for this major.

# MANAGEMENT

BBA.MANA  
2009 – 2010

## Bachelor of Business Administration

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
SCHOOL OF BUSINESS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			BUSINESS ADMINISTRATION LOWER DIVISION CORE	18 HOURS		
	HRS	GR	SEM			†	
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			ACCT 2301 Principles of Accounting I	3	†	
	3	†		ACCT 2302 Principles of Accounting II	3	†	
	3	†		BMSU 1310 Data Management Tools	3	†	
				BUSI 1301 Introduction to Business	3	†	
				BUSIU 2341 Statistics	3	†	
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			ECON 2302 Microeconomics	3	†	
Six hours of modern language, other than English.							
	3			<b>BUSINESS ADMINISTRATION UPPER DIVISION CORE</b>	<b>30 HOURS</b>		
	3			BLAW 3337 Business Law I	3		
				BUSI 3343 Decision Analysis	3	**	
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			ENGL 3322 Business Communication	3		
MATH 1314 College Algebra <i>required for major</i>	3	†		MANA 3361 Principles of Management	3		
				MARK 3371 Principles of Marketing	3		
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			BMSI/ ACCT 3351 Information Systems in Organizations	3	**	
Select two 4-hour science courses (3 hour lecture <u>must be taken with</u> corresponding 1 hour lab).				FINA 3380 Managerial Finance	3	**	
	3,1			MANA 4352 Business and Society	3		
	3,1			MANA 3363 Operations Management	3	**	
				BUSI 4369 Business Policy *	3	**	
<b>040 - HUMANITIES</b>	<b>3 hours</b>						
	3			<b>MANAGEMENT MAJOR</b>	<b>24 HOURS</b>		
				BMSI 3303 E-Commerce Strategies	3	**	
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			INTL 3392 Supply Chain Management	3	**	
	3			INTL 4361 International Management	3	**	
				MANA 3362 Human Resource Management	3	**	
<b>060 - HISTORY</b>	<b>6 hours</b>			MANA 4360 Organizational Theory and Behavior	3	**	
	3			MANA 4366 Small Business Management	3	**	
	3			<b>Select 6 hours from the following list:</b>			
				INTL 3331 International Law		**	
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			BLAW 3338 Business Law II		**	
	3			ACCT 3324 Cost Management		**	
	3			MARK 4372 Promotion Strategy		**	
				MANA 4367 Topics in Management ***		**	
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>			*** (may be repeated with different topics)			
ECON 2301 Macroeconomics <i>required for major</i>	3	†					
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>						
KINE 11____ (One hour of activity/health/wellness/ fitness)	1						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
SPEECH	3			<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

\*\* Student must obtain approval for admission to Upper Division (2.5 GPA and AABA or 6 hrs. from completion.)

\* Need Departmental approval.

For graduation, a student must have a 2.5 cumulative GPA, a 2.5 GPA in the major, and a 2.5 GPA in the upper division core.

The General Education Core courses listed are those recommended for this major.



**Bachelor of Business Administration**

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
SCHOOL OF BUSINESS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			BUSINESS ADMINISTRATION LOWER DIVISION CORE	18 HOURS		
	HRS	GR	SEM	ACCT 2301 Principles of Accounting I	3	†	
<b>010 - COMMUNICATION</b>	6 hours			ACCT 2302 Principles of Accounting II	3	†	
	3	†		BMISU 1310 Data Management Tools	3	†	
	3	†		BUSI 1301 Introduction to Business	3	†	
				BUSIU 2341 Statistics	3	†	
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			ECON 2302 Microeconomics	3	†	
Six hours of modern language, other than English.							
	3			<b>BUSINESS ADMINISTRATION UPPER DIVISION CORE</b>			<b>30 HOURS</b>
	3			BLAW 3337 Business Law I	3		
				BUSI 3343 Decision Analysis	3	**	
<b>020 - MATHEMATICS</b>	3 hours			ENGL 3322 Business Communication	3		
MATH 1314 College Algebra <i>required for major</i>	3	†		MANA 3361 Principles of Management	3		
				MARK 3371 Principles of Marketing	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			BMIS/ ACCT 3351 Information Systems in Organizations	3	**	
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).							
	3,1			FINA 3380 Managerial Finance	3	**	
	3,1			MANA 3363 Operations Management	3	**	
				MANA 4352 Business and Society	3		
				BUSI 4369 Business Policy *	3	**	
<b>040 - HUMANITIES</b>	3 hours			<b>MARKETING MAJOR</b>			<b>24 HOURS</b>
	3			BMIS 3303 E-Commerce Strategies	3	**	
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			INTL 4371 International Marketing	3	**	
	3			MARK 3372 Consumer Behavior	3	**	
				MARK 4371 Sales Management and Personal Selling	3	**	
<b>060 - HISTORY</b>	6 hours			MARK 4372 Promotion Strategy	3	**	
	3			MARK 4376 Marketing Strategies	3	**	
	3			MARK 4377 Topics in Marketing	3	**	
				MARK 4378 Marketing Research	3	**	
<b>070 - GOVERNMENT</b>	6 hours						
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours						
ECON 2301 Macroeconomics <i>required for major</i>	3	†					
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11__ (One hour of activity/health/wellness/ fitness)	1						
					<b>TOTAL CREDIT HOURS FOR GRADUATION</b>		<b>120</b>
SPEECH	3			<b>TOTAL ADVANCED HOURS (minimum)</b>		<b>36</b>	

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

\* Need Departmental approval

\*\* Student must obtain approval for admission to Upper Division (2.5 GPA and AABA or 6 hrs. from completion.)

For graduation, a student must have a 2.5 cumulative GPA, a 2.5 GPA in the major, and a 2.5 in the upper division core.

The General Education Core courses listed are those recommended for this major.

# CHEMISTRY

BS.CHEM  
2009 – 2010

## 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 REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	41 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			<b>CORE COURSES FOR THE MAJOR</b>	<b>35 hours</b>		
	3	†		CHEM 2323 Organic Chemistry I	3		
	3	†		CHEM 2123 Organic Chemistry Laboratory I	1		
				CHEM 2325 Organic Chemistry II	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			CHEM 2125 Organic Chemistry Laboratory II	1		
Six hours of modern language, other than English.				CHEM 3301 Inorganic Chemistry	3		
	3			CHEM 3303 Biochemistry I	3		
	3			CHEM 3103 Biochemistry Laboratory I	1		
				CHEM 3305 Analytical Chemistry	3		
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			CHEM 3105 Analytical Chemistry Laboratory	1		
MATH 2413 Calculus I <i>required for major</i>	3*	†		CHEM 3310 Physical Chemistry I	3		
				CHEM 3110 Physical Chemistry Laboratory I	1		
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			CHEM 3312 Physical Chemistry II	3		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				CHEM 3112 Physical Chemistry Laboratory II	1		
CHEM 1311 /1111 General Chemistry I & Lab I <i>required for major</i>	3,1			CHEM 4110 Chemistry Seminar	1		
CHEM 1312 /1112 General Chemistry II & Lab II <i>required for major</i>	3,1			CHEM 4305 Instrumental Methods of Analysis	3		
				CHEM 4105 Instrumental Methods of Analysis Laboratory	1		
<b>040 - HUMANITIES</b>	<b>3 hours</b>			CHEM 4320 Chemistry Problems	3		
	3						
				<b>CHEMISTRY ELECTIVES</b>	<b>6 hours</b>		
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			<b>(6 hours must be advanced 3000, 4000 level)</b>			
	3			CHEM	Advanced	3	
				CHEM	Advanced	3	
<b>060 - HISTORY</b>	<b>6 hours</b>						
	3			<b>SUPPORT COURSES</b>	<b>19 – 20 HOURS</b>		
	3			PHYS 1301 General Physics I	3		
				PHYS 1101 General Physics Laboratory I	1		
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			PHYS 1302 General Physics II	3		
	3			PHYS 1102 General Physics Laboratory II	1		
	3			MATH 2413 Calculus I	1*	†	
				MATH 2414 Calculus II	4		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>			MATH 3349 Differential Equations <i>or</i> MATH 2415 Calculus III	3 - 4		
	3			COSC 1301 Microcomputer Applications	3		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>			<b>ELECTIVES</b>	<b>11 - 12 HOURS</b>		
KINE 11____ (One hour of activity/health/wellness/ fitness)	1			<b>(11 hours if MATH 2415 or 12 hrs if MATH 3349 in Support Courses)</b>			
				<b>(3 hours must be Advanced if MATH 2415 in Support Courses)</b>			
SPEECH	3						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

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

The General Education Core courses listed are those recommended for this major.

Source: Academic Advising Center

AG/AP/RP

Rev. 5-15-09



# COMPUTER INFORMATION SYSTEMS TECHNOLOGY

BAT.CIS  
2009 – 2010

## Bachelor of Applied Technology (B.A.T.)

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF APPLIED TECHNOLOGY AND GENERAL STUDIES

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			AAS DEGREE OR EQUIVALENT	36 HOURS		
	HRS	GR	SEM	Degree in major approved by CIS Department with at least 30 SCH in computer related courses:			
<b>010 - COMMUNICATION</b>	6 hours			related courses:			
	3	†		Institution:			
	3	†		Date:			
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			Computer Information Systems Core <sup>1</sup>			9 HOURS
Six hours of modern language, other than English.				COSC 1336 Programming Fundamentals I			3
	3			COSC 1337 Programming Fundamentals II			3
	3			CIST 3310 Foundations of Information Technology			3
<b>020 - MATHEMATICS</b>	3 hours			CIST ELECTIVES			18 HOURS
MATH 1314 College Algebra <i>required for major or</i>		†		(18 hours must be advanced 3000, 4000 level)			
Any higher level Math course <i>required for major</i>		†				3	
						3	
<b>030 - NATURAL SCIENCE</b>	8 hours					3	
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).						3	
	3,1					3	
	3,1					3	
<b>040 - HUMANITIES</b>	3 hours			ELECTIVES			9 HOURS
	3			(9 hrs must be advanced 3000, 4000 level selected with CIST Departmental Advisor <sup>2</sup> )			
				Advanced		3	
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours					3	
	3			Advanced		3	
				Advanced		3	
<b>060 - HISTORY</b>	6 hours						
	3						
	3						
<b>070 - GOVERNMENT</b>	6 hours						
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours						
	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11____ (One hour of activity/health/wellness/ fitness)	1						
SPCH 1315 Applied Communication <i>strongly recommended</i>	3			<b>TOTAL CREDIT HOURS FOR GRADUATION</b>			120
				<b>TOTAL ADVANCED HOURS (minimum)</b>			30

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

<sup>1</sup> CIST Track will be structured so that 6 credit hours are offered on-line per semester

<sup>2</sup> Recommended Electives: CIST, TECT, APBT, AETT.

The General Education Core courses listed are those recommended for this major.

# COMPUTER SCIENCE

BS.COSC  
2009 – 2010

## 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 REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	66 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			<b>COMPUTER SCIENCE FOUNDATION</b>	<b>26 hours</b>		
	3	†		COSC 1336 Programming Fundamentals I	3	†	
	3	†		COSC 1337 Programming Fundamentals II	3	†	
				COSC 2312 Digital Logic	3	†	
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			COSC 2316 Web Programming and Design	3		
Six hours of modern language, other than English.				MATH 2318 Linear Algebra	3		
	3			COSC 2310 Discrete Structures	3	†	
	3			MATH 3381 Statistics	3		
				MATH 2413 Calculus I	1*		
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			MATH 2414 Calculus II	4		
MATH 2413 Calculus I <i>required for major</i>	3*	†		<b>COMPUTER SCIENCE CORE</b>	<b>28 hours</b>		
				COSC 2336 Programming Fundamentals III	3		
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			COSC 2325 Machine Language and Computer Organization	3		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				COSC 3325 Computer Architecture	3		
PHYS 2325/2125 University Physics I & Lab I <i>required for major</i>	3,1			COSC 4313 Computer Networks	3		
PHYS 2326/2126 University Physics II & Lab II <i>required for major</i>	3,1			COSC 3345 Algorithm Analysis	3		
				COSC 3355 Principles of Programming Languages	3		
<b>040 - HUMANITIES</b>	<b>3 hours</b>			COSC 4310 Operating Systems	3		
	3			COSC 4346 Software Engineering	3		
				COSC 4190 Senior Project	1		
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			COSC 4342 Database Management Systems	3		
	3						
				<b>COMPUTER SCIENCE ELECTIVES</b>	<b>12 hours</b>		
<b>060 - HISTORY</b>	<b>6 hours</b>			(12 hours must be advanced 3000, 4000 level)			
	3			COSC _____ Advanced	3		
	3			COSC _____ Advanced	3		
				COSC _____ Advanced	3		
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			COSC _____ Advanced	3		
	3						
	3			<b>MATHEMATICS ELECTIVES</b>	<b>3-4 HOURS</b>		
				Choose from MATH 2415, 3349			
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>				3 - 4		
	3						
				<b>ELECTIVES</b>	<b>7-8 HOURS</b>		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>			3-4 hours from MATH 1314, 2412 or any course			
KINE 11 _____ (One hour of activity/health/wellness/ fitness)	1			Listed in "Computer Science" or Mathematics" Electives			
					3 - 4		
SPEECH	3						
				4 hours from PHYS 3400, CHEM 1311, 1111 or CHEM 1312, 1112 or			
				BIOL 1306, 1106, or BIOL 1307, 1107			
					3,1		
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>124-126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

\* MATH 2413 – 3 sch for general education and 1sch towards major requirements.

The General Education Core courses listed are those recommended for this major.

Bachelor of Science in Criminal Justice

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF LIBERAL ARTS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	48 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>	27 hours		
	3	†		CRIJ 1301 Introduction to Criminal Justice	3		
	3	†		CRIJ 1310 Fundamentals of Criminal Law	3		
				SOCI 1301 Introduction to Sociology	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			CRIJ 1313 Juvenile Justice System	3		
Six hours of modern language, other than English.				CRIJ 3302 Current Lit & Research in Criminal Justice	3		
	3			CRIJ 3303 Nature of Crime	3		
	3			CRIJ 4301 Practicum Field Experience	3		
				GOVT 4321 American Const. Law: Civil Liberties	3		
<b>020 - MATHEMATICS</b>	3 hours			CRIJ 4370 Senior Seminar - Policy Issues	3		
	3	†					
				<b>CORRECTIONAL ADMINISTRATION CONCENTRATION</b>	15 hours		
<b>030 - NATURAL SCIENCE</b>	8 hours			CRIJ 2313 Correctional System and Practices	3		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				CRIJ 3331 Legal Aspects of Corrections	3		
	3,1			CRIJ 3345 Correctional Administration	3		
	3,1			CRIJ 4341 Correctional Casework and Counseling	3		
				CRIJ 4343 Seminar of Issues in Corrections	3		
<b>040 - HUMANITIES</b>	3 hours						
	3			<b>CRIMINAL JUSTICE ELECTIVES<sup>1</sup></b>	6 hours		
				CRIJ	3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			CRIJ	3		
	3						
				<b>INTERDISCIPLINARY SOCIAL SCIENCE SUPPORT COURSES</b>	18 HOURS		
<b>060 - HISTORY</b>	6 hours			<b>18 hours must be advanced 3000, 4000 level from each of the following:</b>			
	3			SOCI	Advanced	3	
	3			SOCI	Advanced	3	
<b>070 - GOVERNMENT</b>	6 hours			PSYC	Advanced	3	
	3			PSYC	Advanced	3	
	3						
				GOVT	Advanced	3	
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			GOVT	Advanced	3	
PSYC 2301 Introduction to Psychology <i>required for major</i>	3						
				<b>ELECTIVES<sup>2</sup></b>	6 HOURS		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours				3		
KINE 11_____ (One hour of activity/health/wellness/fitness)	1				3		
SPEECH	3			<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

<sup>1</sup> CRIJ 4362 Special Topics in Criminal Justice may be taken twice for credit as long as courses have different subject matter.

<sup>2</sup> Computer Science courses recommended.

The General Education Core courses listed are those recommended for this major.

# ONLINE CRIMINOLOGY AND CRIMINAL JUSTICE

BSCJ.OL  
2009-2010

## Bachelor of Science in Criminal Justice

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF LIBERAL ARTS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	78 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>	60 hours		
	3	†		CRCJ 2334 Introduction to Criminal Justice or			
	3	†		CRIJ 1301 Introduction to Criminal Justice	3		
				CCJO 3312 Criminal Justice Administration	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			CCJO 4316 Theories of Criminal Behavior	3		
Six hours of modern language, other than English.				CRCJ 3350 Research Methods	3		
	3			CRIJ 3315 Legal Aspects of Evidence	3		
	3			CRIJ 3331 Legal Aspects of Corrections	3		
				CRCJ 4301 American Judicial Systems	3		
<b>020 - MATHEMATICS</b>	3 hours			CCJO 3332 Juvenile Delinquency and Justice	3		
	3	†		CRCJ 4380 Comparative Criminal Justice Systems	3		
				CRIJ 4370 Senior Seminar in Criminal Justice	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			CRCJ 4333 Institutional Corrections	3		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				CRCJ 4315 Criminal Careers and Behavior Systems	3		
	3,1			CCJO 4354 Ethics in Criminal Justice	3		
	3,1			CCJO 4356 Probation and Parole	3		
				CRIJ 4312 Principles of Law Enforcement Supervision	3		
<b>040 - HUMANITIES</b>	3 hours			CRIJ 4341 Correctional Casework and Counseling	3		
	3			CRIJ 4313 Seminar of Issues in Law Enforcement	3		
				CCJO 4364 Police and the Community	3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			CRCJ 3380 Ethnic and Gender Issues in Criminal Justice	3		
	3			PSYC 4305 Drugs and Behavior	3		
<b>060 - HISTORY</b>	6 hours			<b>CRIMINAL JUSTICE ELECTIVES</b>	6 hours		
	3			Student must choose two (2) courses from approved list.			
	3				3		
					3		
<b>070 - GOVERNMENT</b>	6 hours			<b>ELECTIVES<sup>1</sup></b>	6 hours		
	3				3		
	3				3		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours						
PSYC 2301 Introduction to Psychology <i>required for major</i>	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11 _____ (One hour of activity/health/wellness/fitness)	1						
SPEECH	3						
<b>Courses found online from:</b>							
<b>CRCJ = UT-Arlington</b>							
<b>CCJO = UT Permian Basin</b>				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
<b>CRIJ = UTB/TSC</b>				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

Computer Science courses recommended.

The General Education Core courses listed are those recommended for this major.

Source: Academic Advising Center  
AG/AP/ RP

Rev. 5-15-09

# Police Administration

BSCJ.PA  
2009 – 2010

## Bachelor of Science in Criminal Justice

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF LIBERAL ARTS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	48 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>	27 hours		
	3	†		CRIJ 1301 Introduction to Criminal Justice	3		
	3	†		CRIJ 1310 Fundamentals of Criminal Law	3		
				SOCI 1301 Introduction to Sociology	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			CRIJ 1313 Juvenile Justice System	3		
Six hours of modern language, other than English.				CRIJ 3302 Current Lit & Research in Criminal Justice	3		
	3			CRIJ 3303 Nature of Crime	3		
	3			CRIJ 4301 Practicum Field Experience	3		
				GOVT 4321 American Const. Law: Civil Liberties	3		
<b>020 - MATHEMATICS</b>	3 hours			CRIJ 4370 Senior Seminar - Policy Issues	3		
	3	†					
				<b>POLICE ADMINISTRATION CONCENTRATION</b>	15 hours		
<b>030 - NATURAL SCIENCE</b>	8 hours			CRIJ 2328 Police Systems and Practices	3		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				CRIJ 3315 Legal Aspects of Evidence	3		
	3,1			CRIJ 4311 Advanced Police Organization & Admin.	3		
	3,1			CRIJ 4312 Principles of Law Enforcement Supervision	3		
				CRIJ 4313 Seminar of Issues in Law Enforcement	3		
<b>040 - HUMANITIES</b>	3 hours						
	3			<b>CRIMINAL JUSTICE ELECTIVES<sup>1</sup></b>	6 hours		
				CRIJ	3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			CRIJ	3		
	3						
				<b>INTERDISCIPLINARY SOCIAL SCIENCE SUPPORT COURSES</b>	18 HOURS		
<b>060 - HISTORY</b>	6 hours			<b>18 hours must be advanced 3000, 4000 level from each of the following:</b>			
	3			SOCI	Advanced	3	
	3			SOCI	Advanced	3	
<b>070 - GOVERNMENT</b>	6 hours			PSYC	Advanced	3	
	3			PSYC	Advanced	3	
	3						
				GOVT	Advanced	3	
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			GOVT	Advanced	3	
PSYC 2301 Introduction to Psychology <i>required for major</i>	3						
				<b>ELECTIVES<sup>2</sup></b>	6 HOURS		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11____ (One hour of activity/health/wellness/fitness)	1				3		
					3		
SPEECH	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.

<sup>1</sup> CRIJ 4362 Special Topics in Criminal Justice may be taken twice for credit as long as courses have different subject matter.

<sup>2</sup> Computer Science courses recommended.

The General Education Core courses listed are those recommended for this major.

Source: Academic Advising Center  
AG/AP/RP

Rev. 5-15-09



# ENGINEERING PHYSICS

2009 – 2010

## 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 REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	84 - 86 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>SUPPORT COURSES</b>	20 hours		
	3	†		MATH 2413 Calculus I	1*	†	
	3	†		MATH 2414 Calculus II	4		
				MATH 2321 Differential Equations & Linear Algebra	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			MATH 2415 Calculus III	4		
Six hours of modern language, other than English.				CHEM 1311, 1111 General Chemistry I & Laboratory I	3,1		
	3			CHEM 1312, 1112 General Chemistry II & Laboratory II	3,1		
	3						
				<b>PHYSICS CORE COURSES</b>	11 hours		
<b>020 - MATHEMATICS</b>	3 hours			PHYS 3400 Modern Physics w/lab	4		
MATH 2413 Calculus I <i>required for major</i>	3*	†		PHYS 3490 Mathematical Methods I	4		
				PHYS 4390 Computational Methods for Engineers and Phys.	3		
<b>030 - NATURAL SCIENCE</b>	8 hours						
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				<b>ENGINEERING CORE COURSES</b>	29 hours		
PHYS 2325/2125 University Physics I & Lab I <i>required for major</i>	3,1			ENGR 1101 Introduction to Engineering	1		
PHYS 2326/2126 University Physics II & Lab II <i>required for major</i>	3,1			ENGR 2301 Engineering Mechanics I: Statics	3		
				ENGR 2302 Engineering Mechanics II: Dynamics	3		
<b>040 - HUMANITIES</b>	3 hours			ENGR 2332 Mechanics of Materials	3		
	3			ENGR 3320 Linear Circuits	3		
				ENGR 3120 Linear Circuits Laboratory	1		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			ENGR 3421 Electronics I	4		
	3			ENGR 3303 Thermodynamics	3		
				ENGR 4242 Senior Design Project I	2		
<b>060 - HISTORY</b>	6 hours			ENGR 4243 Senior Design Project II	2		
	3			ENGR 4441 Control Systems	4		
	3						
				<b>COMPUTER SCIENCE CORE COURSES</b>	3 hours		
<b>070 - GOVERNMENT</b>	6 hours			COSC 1336 Programming Fundamentals I	3		
	3						
	3			<b>ENGINEERING PHYSICS TRACKS</b>	25 – 27 HOURS		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			Upper Division Engineering Exam **			
	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11__ (One hour of activity/health/wellness/ fitness)	1						
SPEECH	3			<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	132 - 134		
				<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 toward major requirement.

\*\* Engineering department will submit exam completion information to the office of the Registrar.

# ENGINEERING PHYSICS

2009 – 2010

The General Education Core courses listed are those recommended for this major.

## BIOENGINEERING TRACK – 21 HOURS

### BS.ENGR.PHYS.BIOE

			HRS	GR	SEM
BIOL	1306	General Biology I	3		
BIOL	1106	General Biology I Laboratory	1		
BIOL	1307	General Biology II	3		
BIOL	1107	General Biology II Laboratory	1		
CHEM	2323	Organic Chemistry I	3		
PHYS	3315	Physics of Biological Systems	3		
PHYS	4315	Analysis of Biomolecules by Physical Methods	3		
BENG	4320	Molecular Bioengineering	3		
BENG	4120	Molecular Bioengineering Laboratory	1		

## COMPUTER TRACK – 27 HOURS

### BS.ENGR.PHYS.COMPE

			HRS	GR	SEM
MATH	3381	Statistics	3		
COSC	1337	Programming Fundamentals II	3		
COSC	2310	Discrete Systems	3		
COSC	2312	Digital Logic	3		
COSC	2336	Programming Fundamentals III	3		
COSC	2325	Machine Language and Computer Organization	3		
COSC	3325	Computer Architecture	3		
COSC	4349	Advanced Computer Architecture	3		
PHYS	4330	or PHYS 4320 or PHYS 3310	3		

## ELECTRICAL TRACK – 27 HOURS

### BS.ENGR.PHYS.ELET

			HRS	GR	SEM
ENGR	4322	Electronics II	3		
ENGR	4423	High Frequency Engineering	4		
ENGR	4424	Electric Machinery	4		
ENGR	4425	Analog and Digital Communications	4		
		Engineering Elective I	3		
		Engineering Elective II	3		
PHYS	4330	Electromagnetic Theory	3		
ENGR	4326	Power Electronics	3		

## MECHANICAL TRACK – 27 HOURS

### BS.ENGR.PHYS.MECH

			HRS	GR	SEM
ENGR	3405	Engineering Materials	4		
ENGR	4406	Mechanics II	4		
ENGR	4309	Mechanical Subsystems Design	3		
ENGR	1304	Engineering Graphics I	3		
ENGR	4310	Heat and Mass Transfer	3		
		PHYS 3310 or PHYS 4330	3		
		Engineering Elective I	3		
ENGR	4407	Manufacturing Process Technologies	4		

# ENGINEERING TECHNOLOGY – ELECTRONICS

BS.ELET  
2009 – 2010

## 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 REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	79 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			<b>CORE COURSES FOR THE MAJOR</b>	<b>60 hours</b>		
	3	†		ENGR 1101 Introduction to Engineering	1		
	3	†		ELETU 2402 Linear Circuits I	4		
				ELETU 2201 Fabrication & Instrumentation Lab	2		
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			ENGT 1407 Digital Fundamentals	4		
Six hours of modern language, other than English.				ENGT 2130 Engineering Communications	1		
	3			MATH 3381 Statistics	3		
	3			ENGT 3320 Engineering Economics	3		
				ENGT 4241 Senior Design Project I	2		
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			ENGT 4242 Senior Design Project II	2		
MATH 2413 Calculus I <i>required for major</i>	3*	†		ELETU 2410 Electronics I	4		
				ELET 3410 Electronics II	4		
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			ELET 3424 Power Electronics	4		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				ENGR 4441 Control Systems	4		
PHYS 2325/2125 University Physics I and Lab I <i>required for major</i>	3,1			ELET 3440 Electronic Power & Machinery	4		
PHYS 2326/2126 University Physics II and Lab II <i>required</i>	3,1			ELET 3411 Electromagnetics & High Frequency Systems	4		
				ELET 3441 Digital Systems	4		
<b>040 - HUMANITIES</b>	<b>3 hours</b>			ELET 3431 Introduction to Telecommunications	4		
	3						
				<b>SUPPORT COURSES</b>	<b>16 hours</b>		
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>						
	3			MATH 2413 Calculus I	1*	†	
				MATH 2414 Calculus II	4		
<b>060 - HISTORY</b>	<b>6 hours</b>			MATH 2415 Calculus III	4		
	3			MATH 2321 Differential Equations & Linear Algebra	3		
	3			CHEM 1311 General Chemistry I and Lab	3		
				CHEM 1111 General Chemistry Laboratory I	1		
<b>070 - GOVERNMENT</b>	<b>6 hours</b>						
	3			<b>COMPUTER SCIENCE CORE COURSES</b>	<b>3 hours</b>		
	3			COSC 1336 Programming Fundamentals I	3		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>			<b>ELECTIVES</b>	<b>6 hours</b>		
	3			<b>Departmental Approval (6 hours must be advanced 3000, 4000 level)</b>			
				Advanced			
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>			Advanced			
KINE 11____ (One hour of activity/health/wellness/ fitness)	1						
SPEECH	3			<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>127</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

\* MATH 2413-3 sch for general education and 1 sch toward major requirements.

The General Education Core courses listed are those recommended for this major.

Source: Academic Advising Center  
AG/AP/RP

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# ENGINEERING TECHNOLOGY – MANUFACTURING

BS.MFET  
2009 – 2010

## Bachelor of Science

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

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	79 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>	53 hours		
	3	†		ENGR 1101 Introduction to Engineering	1		
	3	†		ENGT 1409 Introduction to Electrical Technology	4		
				ENGT 2130 Engineering Communications	1		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			ENGTU 2407 Engineering Materials	4		
Six hours of modern language, other than English.				ENGT 3320 Engineering Economics	3		
	3			ENGT 4241 Senior Design Project I	2		
	3			ENGT 4242 Senior Design Project II	2		
				ENGR 1304 Engineering Graphics I	3		
<b>020 - MATHEMATICS</b>	3 hours			ENGR 2301 Engineering Mechanics I: Statics	3		
MATH 2413 Calculus I <i>required for major</i>	3*	†		ENGR 2302 Engineering Mechanics II: Dynamics	3		
				ENGR 3304 Mechanics of Materials	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			ELET 3314 Instrumentation and Control	3		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				MEET 3311 International Quality Assurance Sys.	3		
PHYS 2325/2125 University Physics I and Lab I <i>required for major</i>	3,1			MEET 3430 Transport Technologies I	4		
PHYS 2326/2126 University Physics II and Lab II <i>required for major</i>	3,1			MEET 3431 Transport Technologies II	4		
				ENGTU 2410 Intro to Manufacturing Processes	4		
<b>040 - HUMANITIES</b>	3 hours			MFET 3325 Manufacturing Process Planning	3		
	3			MFET 3331 Computer Aided Manufacturing	3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			<b>SUPPORT COURSES</b>	20 hours		
	3			MATH 2413 Calculus I	1*	†	
				MATH 2414 Calculus II	4		
<b>060 - HISTORY</b>	6 hours			MATH 2415 Calculus III	4		
	3			MATH 2321 Differential Equations & Linear Algebra	3		
	3			CHEM 1311 General Chemistry I	3		
				CHEM 1111 General Chemistry Laboratory I	1		
<b>070 - GOVERNMENT</b>	6 hours			CHEM 1312 General Chemistry II	3		
	3			CHEM 1112 General Chemistry Laboratory II	1		
	3						
				<b>ELECTIVES</b>	6 hours		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			Departmental approval (6 hours must be advanced 3000, 4000 level)			
	3			Advanced			
				Advanced			
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11_____ (One hour of activity/health/wellness/fitness)	1						
SPEECH	3			<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>127</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

\* MATH 2413-3 sch for general education and 1 sch toward major requirements.

The General Education Core courses listed are those recommended for this major.

Source: Academic Advising Center  
AG/AP/RP

# ENGINEERING TECHNOLOGY – MECHANICAL

BS.MEET  
2009 – 2010

## 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 REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	80 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>	64 hours		
	3	†		ENGR 1101 Introduction to Engineering	1		
	3	†		ENGT 1409 Introduction to Electrical Technology	4		
				ENGR 1304 Engineering Graphics I	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			ENGT 2130 Engineering Communications	1		
Six hours of modern language, other than English.				ENGT 3320 Engineering Economics	3		
	3			ENGR 2301 Engineering Mechanics I: Statics	3		
	3			ENGR 2302 Engineering Mechanics II: Dynamics	3		
				ENGTU 2407 Engineering Materials	4		
<b>020 - MATHEMATICS</b>	3 hours			ENGR 3304 Mechanics of Materials	3		
MATH 2413 Calculus I <i>required for major</i>	3*	†		ENGRU 2310 Measurements and Instrumentation	3		
				ENGR 3310 Mechatronics I	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			ENGR 4441 Control Systems	4		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				MEET 3430 Transport Technologies I	4		
PHYS 2325/2125 University Physics I and Lab I <i>required for major</i>	3,1			MEET 3431 Transport Technologies II	4		
PHYS 2326/2126 University Physics II and Lab II <i>required</i>	3,1			ENGTU 2410 Intro to Manufacturing Processes	4		
				MEET 3333 Mechanical Subsystem Design	3		
<b>040 - HUMANITIES</b>	3 hours			MFET 3320 Product and Process Design	3		
	3			ENGT 4241 Senior Design Project I	2		
				ENGT 4242 Senior Design Project II	2		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			ENGR 4450 Computational Mechanics	4		
	3						
				<b>SUPPORT COURSES</b>	16 hours		
<b>060 - HISTORY</b>	6 hours			MATH 2413 Calculus I	1*	†	
	3			MATH 2414 Calculus II	4		
	3			MATH 2415 Calculus III	4		
				MATH 2321 Differential Equations & Linear Algebra	3		
<b>070 - GOVERNMENT</b>	6 hours			CHEM 1311 General Chemistry I	3		
	3			CHEM 1111 General Chemistry Laboratory I	1		
	3						
				<b>ELECTIVES</b>	3 hours		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			Departmental approval (3 hours must be advanced 3000, 4000 level)			
	3			Advanced			
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11____ (One hour of activity/health/wellness/fitness)	1						
SPEECH	3			<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	128		
				<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 toward Major requirements.  
The General Education Core courses listed are those recommended for this major.

# ENGLISH

BA.ENGL  
2009 – 2010

## Bachelor of Arts

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF LIBERAL ARTS

student Name \_\_\_\_\_ ID # \_\_\_\_\_ Date \_\_\_\_\_

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	39 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			<b>CORE COURSES FOR THE MAJOR</b>	<b>18 hours</b>		
	3	†		ENGL 3302 Literary Analysis	3		
	3	†		ENGL 3312 <b>or</b> 3313 Survey of American Literature	3		
				ENGL 3319 Introduction to Descriptive Linguistics	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			ENGL 4301 Shakespeare	3		
Six hours of modern language, other than English.				ENGL 4325 Composition Techniques	3		
	3			ENGL 4350 English Studies: The Theory and Practice	3		
	3						
				<b>ENGLISH ELECTIVES</b>	<b>21 hours</b>		
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			(21 hrs must be advanced 3000, 4000 level)			
	3	†		ENGL _____ Advanced	3		
				ENGL _____ Advanced	3		
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			ENGL _____ Advanced	3		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				ENGL _____ Advanced	3		
	3,1			ENGL _____ Advanced	3		
	3,1			ENGL _____ Advanced	3		
				ENGL _____ Advanced	3		
<b>040 - HUMANITIES</b>	<b>3 hours</b>			<b>SUPPORT AREA AND/OR ELECTIVES</b>	<b>33 hours</b>		
	3						
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>						
	3						
<b>060 - HISTORY</b>	<b>6 hours</b>						
	3						
	3						
<b>070 - GOVERNMENT</b>	<b>6 hours</b>						
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>						
	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>						
KINE 11____ (One hour of activity/health/wellness/ fitness)	1						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
SPEECH	3			<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

† Grade of "C" or better is required for graduation.  
The General Education Core courses listed are those recommended for this major.

# ENVIRONMENTAL SCIENCES

BS.ENVR  
2009 - 2010

## Bachelor of Science

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

Concentration \_\_\_\_\_

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	40 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			<b>CORE COURSES FOR THE MAJOR</b>	<b>24 hours</b>		
	3	†		BIOL 3309 Ecology	3		
	3	†		BIOL 3109 Ecology Laboratory	1		
				ENVR 1302 Intro. to Environmental Sciences II	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			ENVR 1102 Intro. to Environmental Sciences II Lab	1		
Six hours of modern language, other than English.				ESCI 3305 Oceanography	3		
	3			ESCI 3105 Oceanography Laboratory	1		
	3			ESCI 3334 Conservation of Natural Resources	3		
				ESCI 4301 Environmental Regulations	3		
<b>020 - MATHEMATICS **</b>	<b>3 hours</b>			ESCI 4325 Environmental Sciences Internship	3		
MATH 2413 Calculus I <i>required for major</i>	3*			ESCI 4399 Research Problems in Environmental Science	3		
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			<b>RESTRICTED ENVIRONMENTAL SCIENCES ELECTIVES</b>	<b>16 hours</b>		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				Choose from Concentration listed on reverse:			
PHYS 1301 /1101 General Physics I & Lab I <i>required for major</i>	3,1			BIOLOGY, GEOSCIENCES, CHEMISTRY or INTERDISCIPLINARY			
PHYS 1302 /1102 General Physics II & Lab II <i>required for major</i>	3,1			<b>(16 hours must be advanced 3000, 4000 level)</b>			
<b>040 - HUMANITIES</b>	<b>3 hours</b>						
	3						
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>						
	3						
<b>060 - HISTORY</b>	<b>6 hours</b>						
	3						
	3			<b>SUPPORT COURSES</b>	<b>28 HOURS</b>		
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			ENVR 1301 Intro. to Environmental Sciences	3		
	3			ENVR 1101 Intro. to Environmental Sciences Laboratory	1		
	3			BIOL 1306 General Biology I	3		
				BIOL 1106 General Biology Laboratory	1		
				BIOL 1307 General Biology II	3		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>			BIOL 1107 General Biology II Laboratory	1		
GEOG 1303 General World Geography <i>required for major</i>	3			GEOG 1303 Physical Geology	3		
				GEOG 1103 Physical Geology Laboratory	1		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>			GEOG 1304 Historical Geology	3		
KINE 11___ (One hour of activity/health/wellness/ fitness)	1			GEOG 1104 Historical Geology Laboratory	1		
				CHEM 1311 General Chemistry I	3		
SPEECH	3			CHEM 1111 General Chemistry I Laboratory	1		
				MATH 1342 Elementary Statistics	3		
<b>ELECTIVES</b>	<b>4 HOURS</b>			MATH 2413 Calculus I	1*	†	
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

\*\* Minimum grade of "C" for Math course used to satisfy General Education Core.  
The General Education Core courses listed are those recommended for this major.

Source: Academic Advising Center  
AG/AP/RP

Rev. 5-15-09

# ENVIRONMENTAL SCIENCES

BS.ENVR  
2009-2010

## Bachelor of Science

### Restricted Environmental Sciences Electives

Choose 16 hours from one of the following concentrations:

#### BIOLOGY

Concentration:

BIOL 3303	Genetics	3
BIOL 3103	Genetics Lab	1
BIOL 3314	Invertebrate Zoology	3
BIOL 3114	Invertebrate Zoology Lab	1
BIOL 4302	Marine Zoology	3
BIOL 4102	Marine Zoology Lab	1
BIOL 4314	Plant Taxonomy	3
BIOL 4114	Plant Taxonomy Lab	1
BIOL 4309	Herpetology	3
BIOL 4109	Herpetology Lab	1
BIOL 4327	Coastal Ecology	3
BIOL 4127	Coastal Ecology Lab	1
BIOL 4370	Topics in Biology	3
BIOL 4170	Topics in Biology Lab	1
BIOL 4422	Conservation Biology	4

#### CHEMISTRY

Concentration:

\*\* Choosing upper-level Chemistry courses will add additional semester credit hours to the total hours required for this degree because of pre-requisites.

CHEM 3303	Biochemistry I	3
CHEM 3103	Biochemistry I Lab	1
CHEM 3305	Analytical Chemistry	3
CHEM 3105	Analytical Chemistry Lab	1
CHEM 3310	Physical Chemistry I	3
CHEM 3110	Physical Chemistry I Lab	1
CHEM 3312	Physical Chemistry II	3
CHEM 3112	Physical Chemistry II Lab	1
CHEM 4305	Instrumental Methods of Analysis	3
CHEM 4105	Instrumental Methods of Analysis Lab	1
CHEM 4306	Environmental Chemistry	3

#### GEOSCIENCES

Concentration:

GEOL 3436	Hydrology and Water Resources	4
GEOL 4335	Geomorphology	3
GEOL 4411	Sedimentation and Stratigraphy	4
GEOL 4431	Coastal Geology	4
GEOL 4440	Geographic Information Systems	4
GEOL 4441	Principles of Remote Sensing	4
GEOL 4350	Geosciences Field Excursion	3
GEOG 3333	Latin American Geography	3
ESCI 3351	Environmental Sciences Field Methods and Data Analysis	3
ESCI 4370	Topics in Environmental Sciences	3
ESCI 4170	Topics in Environmental Sciences Laboratory	1

#### INTERDISCIPLINARY

Concentration:

Any combination of 16 hours from the 3 concentrations listed above.





# HEALTH SERVICES TECHNOLOGY

BAT.HST  
2009 – 2010

## Bachelor of Applied Technology (B.A.T.)

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF APPLIED TECHNOLOGY AND GENERAL STUDIES

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			*AS/AAS DEGREE IN A HEALTH RELATED FIELD OR EQUIVALENT	36 HOURS
	HRS	GR	SEM	Degree Major:	
<b>010 - COMMUNICATION</b>	6 hours			Institution:	
	3	†		Date:	
	3	†			
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours				
Six hours of modern language, other than English.				<b>HEALTH SERVICES TECHNOLOGY TRACK*</b>	<b>36 HOURS</b>
	3			<b>HEALTH SERVICES PROFESSION CORE</b>	<b>21 Hours</b>
	3			Choose 21 Hours from the following:	
				HPRS 3301 The Evolving Health Care System	
<b>020 - MATHEMATICS</b>	3 hours			HPRS 3302 Ethics & Law for Health Care Specialists	
	3	†		HPRS 3309 Leading and Managing the Health Care Team	
				HPRS 3313 Physical and Mental Health Throughout the Lifespan	
<b>030 - NATURAL SCIENCE</b>	8 hours			HPRS 3316 Nutritional Concepts for Allied Health Practitioners	
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				HPRS 4300 Pharmacology	
BIOL 2301/2101 Anatomy and Physiology I & Lab I <i>required</i>	3,1			HPRS 4301 Introduction to Health Data Utilization	
BIOL 2302/2102 Anatomy and Physiology II & Lab II <i>required</i>	3,1			HPRS 4302 Continuous Quality Improvement	
				HPRS 4309 Research in Evidenced-based Healthcare	
<b>040 - HUMANITIES</b>	3 hours			HPRS 4312 Applied Pathophysiology	
	3			HPRS 4316 Applied Medical Microbiology	
				HPRS 3320 Patient Education in Health Sciences	
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			HPRS 3324 Teaching in the Health Sciences	
	3			HPRS 4330 Independent Study	
				HPRS 4334 Issues and Trends in Health Care	
<b>060 - HISTORY</b>	6 hours			HPRS 4360 Practicum in Health Services	
	3				
	3			<b>HEALTH SERVICES TECHNOLOGY ELECTIVES</b>	<b>15 hours</b>
				(15 hrs must be advanced 3000, 4000 level)	
<b>070 - GOVERNMENT</b>	6 hours				
	3				
	3				
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours				
SOCI 1301 Introduction to Sociology <i>required for major</i>					
or					
PSYC 2301 Introduction to Psychology <i>required for major</i>					
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours				
KINE 11__ (One hour of activity/health/wellness/ fitness)	1				
<b>SPEECH</b>	3			<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>

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

\* Departmental approval required.

The General Education Core courses listed are those recommended for this major.



# INTERDISCIPLINARY STUDIES

BAAS.ID  
2009-2010

## Bachelor of Applied Arts and Sciences (B.A.A.S.)<sup>^</sup>

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF APPLIED TECHNOLOGY AND GENERAL STUDIES

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

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

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

**IMPORTANT TO STUDENTS: CHECK WITH AN ACADEMIC ADVISOR FOR SUBJECT AREA SELECTION, COURSE PREREQUISITES OR ADMISSION TO PROGRAMS.**

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			AAS DEGREE OR EQUIVALENT	33 HOURS		
	HRS	GR	SEM	Degree Major:			
<b>010 - COMMUNICATION</b>	6 hours			Institution:			
	3	†		Date:			
	3	†					
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			<b>UPPER-LEVEL REQUIREMENTS</b>	<b>36 HOURS</b>		
Six hours of modern language, other than English.				Take Three 12-Hour Subject Areas From Liberal Arts, Sciences, Business, Education, Health Science, or Applied Technologies. Courses in a Subject Area must have the same prefix or same discipline.			
	3			Must be ADVANCED hours (3000 or 4000 level).			
	3			<b>Subject Area I</b>	<b>12 hours</b>		
<b>020 - MATHEMATICS</b>	3 hours				3		
	3	†			3		
					3		
<b>030 - NATURAL SCIENCE</b>	8 hours				3		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				<b>Subject Area II</b>	<b>12 hours</b>		
	3,1				3		
	3,1				3		
<b>040 - HUMANITIES</b>	3 hours				3		
	3				3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			<b>Subject Area III</b>	<b>12 hours</b>		
	3				3		
					3		
<b>060 - HISTORY</b>	6 hours				3		
	3				3		
	3						
				<b>Professional Development Requirement</b>	<b>3 hours</b>		
<b>070 - GOVERNMENT</b>	6 hours			APBT 3309 Workforce Ethics	3		
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours						
	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11__ (One hour of activity/health/wellness/ fitness)	1						
SPEECH	3						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

<sup>^</sup> Not a School of Business degree.

The General Education Core courses listed are those recommended for this major.

# INTERDISCIPLINARY Subject Areas (Upper-Level Courses)

All prerequisites for 3000, 4000 level courses must be met.

## GOVERNMENT

Select 12 Hours from the following courses:

- GOVT 3314 American State Government
- GOVT 3323 Introduction to Public Administration
- GOVT 4320 American Constitutional Law-Federalism
- GOVT 4360 American Executive Process
- GOVT 4365 American Administrative Process
- GOVT 4367 American Judicial Process

Or

## \*INTERNATIONAL RELATIONS

- GOVT 3343 International Relations
- GOVT 4368 Special Topics: US Foreign Policy in the Middle East
- GOVT 4369 Latin American Politics
- GOVT 4371 Contemporary International Issues

## HISTORY

Select 12 Hours from any 3000 or 4000 level History courses

## PSYCHOLOGY

Select 12 Hours from the following courses:

- PSYC 3302 Adolescence
- PSYC 3303 Adulthood and Aging
- PSYC 3318 Theories of Learning
- PSYC 3324 Health Psychology
- PSYC 3324 Human Sexuality
- PSYC 4306 Conflict Resolution
- PSYC 4312 Psychology of Gender
- PSYC 4333 Theories of Personality
- PSYC 4356 Industrial and Organizational Psychology

## \*COMPUTER INFORMATION SYSTEMS (under development)

Select 12 Hours from the following courses:

- SOCI 3313 Criminology
- SOCI 3323 Hispanics in a Global Society
- SOCI 3324 Sociology of Health Systems
- SOCI 3333 American Communities
- SOCI 3335 Social Theory
- SOCI 3364 Minorities
- SOCI 3363 Gender
- SOCI 3373 Mass Communication and Culture
- SOCI 3374 Religion in Society
- SOCI 3393 Aging

## TRANSLATION STUDIES IN SPANISH

- TRSP 3332 Spanish to English Translation
- TRSP 3335 Topics in Translation
- TRSP 4332 Commercial Translation
- TRSP 4334 Legal Translation

## \*EDUCATIONAL TECHNOLOGY

- EDTC 3320 Instructional Design for the Corporate Trainer
- EDTC 3321 Computer/Web-Based Training
- EDTC 3323 Designing Interactive Multimedia
- EDTC 3332 Instructional Technology Practicum

## \*BUSINESS – Business Management Information System

- BMIS 3351 Information Systems in Organizations ±
- BMIS 3301 Web Programming with Java (no prerequisites)
- BMIS 3302 Database Information Systems (BMIS 3301)
- BMIS 3303 E-Commerce Strategies ±
- BMIS 4303 Web Systems Development (BMIS 3301, BMIS 3302)
- BMIS 4304 Systems Analysis for E-Business (BMIS 3301, BMIS 3302, BMIS 4303)

± Admission to Upper Division

## \*BUSINESS - Management \*\*

- MANA 3361 Principles of Management (no prerequisites)
- MANA 4352 Business and Society
- MANA 3362 Human Resource Management (Pre-requisite: Admission to Upper Division and MANA 3361 Principles of Management)
- MANA 4360 Organizational Theory and Behavior (Pre-requisite: Admission to Upper Division and MANA 3361 Principles of Management)
- MANA 4367 Topics in Management (Pre-requisite: Admission to Upper Division and MANA 3361 Principles of Management)

**NOTE:** Other subject areas may be available upon approval by advisor.

\* Blocks are offered on-line.

\*\* ONLY one block from School of Business permitted. Students selecting School of Business block must have a minimum 2.5 GPA in General Education Core and request admission to upper division from the College of Applied Technology & General Studies.

Source: Academic Advising Center  
AG/AP/RP

## EDUCATION (ACP Certification requires "B" or better in all of these courses.)

Need Departmental Approval

### ACP – EC-6.BILC

- EABL 3312 Teaching Reading in the Bilingual Classroom (Spanish)
- EACI 4324 Designing Instruction & Assessment to Promote Student Learning
- EASL 4307 Foundations of ESL
- EAEK 4385 Growth & Development of the Young Child

or

### ACP – EC-6.ESL

- EACI 4324 Designing Instruction & Assessment to Promote Student Learning
- EALI 3310 Emergent Literacy for ESL Learners: Early Childhood –1st Grade
- EASL 4307 Foundations of ESL
- EAEK 4385 Growth & Development of the Young Child

or

### ACP – EC-12 SPED

- SPEA 3390 Introduction to Exceptional Children
- SPEA 4320 Legal Roles & Responsibilities of the Special Educator
- SPEA 4330 Problems in Language & Literacy for individuals with Special Needs
- SPEA 4380 Classroom instruction for Individuals with Special Needs
- EALI 43323 Beginning Literacy for ESL or EALI 4351 Content Area Literacy

## \*ALLIED HEALTH - Select 12 Hours from the following courses:

- HPRS 3301 Intro. to the Evolving US Healthcare System
- HPRS 4309 Research in Evidenced Based Healthcare
- HPRS 4302 Continuous Quality Improvement
- HPRS 3316 Nutritional Concepts for Health Professionals
- HPRS 4312 Applied Pathophysiology
- HPRS 3313 Physical and Mental Health through the Lifespan
- HPRS 4334 Issues and Trends in Health Care
- HPRS 3324 Teaching in the Health Sciences

## \*ALLIED HEALTH- Cancer Information Management

- HITT 3301 Cancer Program Standard & Registry Operations
- HITT 3302 Cancer Disease Management
- HITT 3304 Cancer Statistics & Epidemiology
- HITT 3305 Cancer Disease Staging
- HITT 3206 Cancer Disease Coding
- HITT 3107 Cancer Information Management Practicum (Clinical)

## \*CRIMINAL JUSTICE - Select 12 Hours from the following courses:

- CRIJ 3315 Legal Aspects of Evidence
- CRIJ 3331 Legal Aspects of Corrections
- CRIJ 4341 Correctional Casework and Counseling
- CRIJ 4312 Principles of Law Enforcement Supervision
- CRIJ 4363 Gangs and Gang Behavior

## \*TECHNOLOGY CORPORATE TRAINING

- TECT 3301 Foundations of Technology Training
- TECT 3302 Psychology of Technology Training
- TECT 3303 Training Methods in Industry
- TECT 4304 The IT Trainer Consultant  
(Technology Training Certificate awarded for 12 hours training block)

## SPANISH

- SPAN 3301 Spanish Literature to 1750
- SPAN 3311 Spanish American Literature Since 1850
- SPAN 4303 Hispanic Civilization
- SPAN 4371 Chicano Narrative

## \*ALLIED HEALTH- Polysomnography

- RSPT 4320 Fundamental of Polysomnography
- RSPT 4210 Polysomnography Instrumentation I
- RSPT 4221 Clinical Polysomnography – Sleep Staging I
- RSPT 4330 Polysomnographic Therapeutic Intervention
- RSPT 4215 Polysomnography Instrumentation II
- RSPT 4323 Clinical Polysomnography – Sleep Staging II

## \*APPLIED BUSINESS TECHNOLOGY

- APBT 3312 Administrative Office Management
- APBT 3335 Applied Organizational Communication
- APBT 3322 Information & Technology in Organizations
- APBT 4391 Current Issues in Applied Technology
- APBT 3314 Employment Services
- APBT 4380 Leadership Foundations

## \*LEGAL STUDIES

- ALAW 3307 Civil Litigation Advanced
- ALAW 3312 Evidence
- ALAW 3315 Criminal Law and Procedure-Advanced
- ALAW 4301 Legal Research and Writing
- ALAW 4310 Appeals and Brief Writing

# HEALTH & HUMAN PERFORMANCE (KINESIOLOGY)

BS.KINE  
2009 – 2010

## Bachelor of Science

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF EDUCATION

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	51 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>	48 hours		
	3	†		KINE 1301 Introduction to Sport & Exercise Science	3		
	3	†		KINE 1306 First Aid	3		
				KINEU 2304 Outdoor Education	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			KINE 1308 Sports Officiating (Football/Volleyball) <i>or</i>			
Six hours of modern language, other than English.				KINE 1309 Sports Officiating (Basketball/Softball)	3		
	3			KINE 3302 / KINEU 1135 Kinesiology Curr. for Elem. Sch. Std.	3,1		
	3			KINE 4309 / KINEU 1136 Kinesiology Curr. for Sec. Sch. Std.	3,1		
				KINE 3314 Dance for Children & Adolescents	3		
<b>020 - MATHEMATICS</b>	3 hours			KINE 3330 Coaching of Sports	3		
	3	†		KINE 3340 Principles of Wellness & Fitness	3		
				KINE 3353/3153 Phys of Ex. & Human Performance/Lab	3,1		
<b>030 - NATURAL SCIENCE</b>	8 hours			KINE 3370 Biomechanics	3		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				KINE 4310 Measurement Tech. in Physical Ex & Sports	3		
BIOL 2301/2101 Anatomy & Physiology I & Lab I <i>required for major</i>	3,1			KINE 4311 Psychology of Sport and Exercise	3		
BIOL 2302/2102 Anatomy & Physiology II /Lab or BIOL1307/1107	3,1			KINE 4351 The Adapted Kinesiology Program	3		
				KINE 4356 Motor Development	3		
<b>040 - HUMANITIES</b>	3 hours			<b>KINESIOLOGY ACTIVITIES</b>	3 hours		
	3			KINE 1111 Folk & Square Dance	1		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			KINE 1124 Swimming	1		
	3			KINE 1133 Basic Sports Skills	1		
<b>060 - HISTORY</b>	6 hours			<b>SUPPORT AREA AND/OR ELECTIVES</b>	21 Hours		
	3			(3 hours must be advanced 3000, 4000 level)			
	3			Advanced			
<b>070 - GOVERNMENT</b>	6 hours						
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours						
	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11____ (One hour of activity/health/wellness/fitness)	1						
<b>SPEECH</b>	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.  
The General Education Core courses listed are those recommended for this major.

# HEALTH & HUMAN PERFORMANCE - EXERCISE SCIENCE (KINESIOLOGY)

BS.KINE.ES  
2009 – 2010

## Bachelor of Science

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF EDUCATION

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	42 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>	38 hours		
	3	†		KINE 1306 First Aid	3		
	3	†		HLTHU 2325 Nutrition	3		
				KINE 3353, 3153 Physiology of Exer. And Human Perf./Lab	3,1		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			KINE 3360, 3160 Exercise Testing and Prescription/Lab	3,1		
Six hours of modern language, other than English.				KINE 3365 Physiology & Tech. of Strength/Power Fitness	3		
	3			KINE 3370 Biomechanics	3		
	3			KINE 4310 Measurement Tech. in Physical Ex & Sports	3		
				KINE 4351 The Adapted Kinesiology Program	3		
<b>020 - MATHEMATICS</b>	3 hours			KINE 4355 Pediatric Exercise Physiology	3		
	3	†		KINE 4360 Clinical Exercise Physiology	3		
				KINE 4370 Management in Exercise & Health Promotion	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			KINE 4380 Exercise Science Internship	3		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).							
BIOL 2301/2101 Anatomy & Physiology I /Lab <i>required for major</i>	3,1			<b>KINESIOLOGY ACTIVITIES</b>	4 hours		
BIOL 2302/2102 Anatomy & Physiology II /Lab <i>required for major</i>	3,1			KINE 1101 Aerobic Dance	1		
				KINE 1124 Swimming	1		
<b>040 - HUMANITIES</b>	3 hours			KINE 1130 Weight Training	1		
	3			KINE 1134 Physical Conditioning	1		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			<b>SUPPORT AREA AND/OR ELECTIVES</b>	30 HOURS		
	3			(4 hours must be advanced 3000, 4000 level)			
<b>060 - HISTORY</b>	6 hours						
	3						
	3						
<b>070 - GOVERNMENT</b>	6 hours						
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours						
	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11____ (One hour of activity/health/wellness/fitness)	1						
<b>SPEECH</b>	3						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	120		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	36		

† Grade must be C or better.

The General Education Core courses listed are those recommended for this major.

# MATHEMATICS

BS.MATH  
2009 – 2010

## 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 REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS **	45 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>	36 hours		
	3	†		MATH 2305 Discrete Mathematics	3		
	3	†		MATH 2318 Linear Algebra	3		
				MATHU 2332 Geometry I	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			MATH 2413 Calculus I	1*	†	
Six hours of modern language, other than English.				MATH 2414 Calculus II	4		
	3			MATH 2415 Calculus III	4		
	3			MATH 3321 Algebra I	3		
				MATH 3339 Topology	3		
<b>020 - MATHEMATICS</b>	3 hours			MATH 3341 Real Analysis	3		
MATH 2413 Calculus I <i>required for major</i>	3*	†		MATH 3349 Differential Equations	3		
				MATH 3381 Statistics	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			MATH 4342 Complex Analysis	3		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).							
	3,1			<b>RESTRICTED MATH ELECTIVES</b>	9 hours		
	3,1			Choose 3 courses from the following list:			
				MATH 4321 Algebra II	3		
<b>040 - HUMANITIES</b>	3 hours			MATH 3328 Advanced Linear Algebra	3		
	3			MATH 4329 Number Theory	3		
				MATH 3332 Geometry II	3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			MATH 4343 Advanced Analysis	3		
	3			MATH 4374 Probability and Statistics	3		
				MATH 4367 Numerical Analysis	3		
<b>060 - HISTORY</b>	6 hours						
	3			<b>MATH / SCIENCE ELECTIVES</b>	21 HOURS		
	3			(6 hours must be advanced 3000, 4000 level and selected with faculty advisor)			
				Advanced	3		
<b>070 - GOVERNMENT</b>	6 hours			Advanced	3		
	3				3		
	3				3		
					3		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours				3		
	3				3		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			<b>SUPPORT COURSES</b>	6 HOURS		
KINE 11_____ (One hour of activity/health/wellness/fitness)	1			COSC 1336 Programming Fundamentals I	3		
				MATH 3366 Computer Algebra Systems	3		
SPEECH	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 toward Major requirements. Pre-requisite for Calculus is MATH 2412-Pre-Calculus or Departmental Placement Test.

\*\* Prior to graduation, a student must take Major Field Test in Mathematics.

The General Education Core courses listed are those recommended for this major.

Source: Academic Advising Center

AG/AP/RP

Rev. 5-15-09



# BACHELOR OF MULTIDISCIPLINARY STUDIES

BMS.MLDS  
2009-2010

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF APPLIED TECHNOLOGY AND GENERAL STUDIES

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

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

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

**IMPORTANT TO STUDENTS: CHECK WITH AN ACADEMIC ADVISOR FOR CONCENTRATION SELECTION, COURSE PREREQUISITES OR ADMISSION TO PROGRAMS.**

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			REQUIREMENTS*	39 HOURS		
	HRS	GR	SEM				
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			Take two 18-Hour Concentrations From Liberal Arts, Sciences, Business, Education, Health Science, or Applied Technologies. Courses in a Concentration must be from the same discipline.			
	3	†		<b>Concentration I</b>	<b>18 Hours</b>		
	3	†		(12 hours must be advanced 3000, 4000 level)			
				Advanced	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>				Advanced	3	
Six hours of modern language, other than English.					Advanced	3	
	3				Advanced	3	
	3					3	
						3	
<b>020 - MATHEMATICS</b>	<b>3 hours</b>						
	3	†		<b>Concentration II</b>	<b>18 Hours</b>		
				(12 hours must be advanced 3000, 4000 level)			
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>				Advanced	3	
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).					Advanced	3	
	3,1				Advanced	3	
	3,1				Advanced	3	
						3	
<b>040 - HUMANITIES</b>	<b>3 hours</b>					3	
	3						
				<b>Computer Applications</b>	<b>3 Hours</b>		
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			BCIS 1305 Business Computer Applications <i>or</i>			
	3			COSC 1301 Microcomputer Applications			
<b>060 - HISTORY</b>	<b>6 hours</b>			<b>ELECTIVES</b>	<b>33 HOURS</b>		
	3			(12 hours must be advanced 3000, 4000 level)			
	3				Advanced		
					Advanced		
<b>070 - GOVERNMENT</b>	<b>6 hours</b>				Advanced		
	3				Advanced		
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>						
	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>						
KINE 11__ (One hour of activity/health/wellness/ fitness)	1						
SPEECH	3						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

\*Either Business or APBT courses can make up one concentration.

\*Residency requirements must be met.

## Concentrations (Upper-Level Courses)

All prerequisites for 3000, 4000 level courses must be met.

### **\*ALLIED HEALTH** - Select 18 Hours from the following courses:

HPRS 3301	Intro. to the Evolving US Healthcare System
HPRS 4309	Research in Evidenced Based Healthcare
HPRS 4302	Continuous Quality Improvement
HPRS 3316	Nutritional Concepts for Health Professionals
HPRS 4312	Applied Pathophysiology
HPRS 3313	Physical and Mental Health through the Lifespan
HPRS 4334	Issues and Trends in Health Care
HPRS 3324	Teaching in the Health Sciences

### **\*ALLIED HEALTH- Cancer Information Management**

HITT 3301	Cancer Program Standard & Registry Operations
HITT 3302	Cancer Disease Management
HITT 3304	Cancer Statistics & Epidemiology
HITT 3305	Cancer Disease Staging
HITT 3206	Cancer Disease Coding
HITT 3107	Cancer Information Management Practicum (Clinical)

### **\*ALLIED HEALTH- Polysomnography**

RSPT 4320	Fundamental of Polysomnography
RSPT 4210	Polysomnography Instrumentation I
RSPT 4221	Clinical Polysomnography – Sleep Staging I
RSPT 4330	Polysomnographic Therapeutic Intervention
RSPT 4215	Polysomnography Instrumentation II
RSPT 4323	Clinical Polysomnography – Sleep Staging II

### **\*APPLIED BUSINESS TECHNOLOGY**

APBT 3312	Administrative Office Management
APBT 3335	Applied Organizational Communication
APBT 3322	Information & Technology in Organizations
APBT 4391	Current Issues in Applied Technology
APBT 3314	Employment Services
APBT 4380	Leadership Foundations

### **\*BUSINESS – Business Management Information System**

BMIS 3301	Web Programming with Java (no prerequisites)
BMIS 3302	Database Information Systems (BMIS 3301)
BMIS 3303	E-Commerce Strategies ‡
BMIS 3351	Information Systems in Organizations ‡
BMIS 4303	Web Systems Development (BMIS 3301, BMIS 3302)
BMIS 4304	Systems Analysis for E-Business (BMIS 3301, BMIS 3302, BMIS 4303)

‡ Admission to Upper Division

### **EDUCATION** (ACP Certification requires "B" or better in all of these courses.)

Need Departmental Approval

#### **ACP – EC-6.BILC**

EABL 3312	Teaching Reading in the Bilingual Classroom (Spanish)
EACI 4324	Designing Instruction & Assessment to Promote Student Learning
EASL 4307	Foundations of ESL
EAECE 4385	Growth & Development of the Young Child

or

#### **ACP – EC-6.ESL**

EACI 4324	Designing Instruction & Assessment to Promote Student Learning
EALI 3310	Emergent Literacy for ESL Learners: Early Childhood –1st Grade
EASL 4307	Foundations of ESL
EAECE 4385	Growth & Development of the Young Child

or

#### **ACP – EC-12 SPED**

SPEA 3390	Introduction to Exceptional Children
SPEA 4320	Legal Roles & Responsibilities of the Special Educator
SPEA 4330	Problems in Language & Literacy for individuals with Special Needs
SPEA 4380	Classroom instruction for Individuals with Special Needs
EALI 43323	Beginning Literacy for ESL or EALI 4351 Content Area Literacy

**NOTE:** Other concentrations may be available upon approval by advisor.

\*Concentrations are offered on-line.

\*\* ONLY one concentration from School of Business permitted. Student must request admission to upper division from the College of Applied Technology & General Studies.

# Courses offered online alternate each semester.

### **\* # BUSINESS - Management \*\***

MANA 3361	Principles of Management (no prerequisites)
MANA 4352	Business and Society
MANA 3362	Human Resource Management (Pre-requisite: Admission to Upper Division and MANA 3361 Principles of Management)
MANA 4360	Organizational Theory and Behavior (Pre-requisite: Admission to Upper Division and MANA 3361 Principles of Management)
MANA 4367	Topics in Management (Pre-requisite: Admission to Upper Division and MANA 3361 Principles of Management)

### **\*CRIMINAL JUSTICE**

CRIJ 3302	Current Literature and Research In Criminal Justice
CRIJ 3315	Legal Aspects of Evidence
CRIJ 3331	Legal Aspects of Corrections
CRIJ 4341	Correctional Casework and Counseling
CRIJ 4312	Principles of Law Enforcement Supervision
CRIJ 4363	Gangs and Gang Behavior

### **\*EDUCATIONAL TECHNOLOGY**

EDTC 3320	Instructional Design for the Corporate Trainer
EDTC 3321	Computer/Web-Based Training
EDTC 3323	Designing Interactive Multimedia
EDTC 3332	Instructional Technology Practicum

### **\*LEGAL STUDIES**

ALAW 3307	Civil Litigation Advanced
ALAW 3312	Evidence
ALAW 3315	Criminal Law and Procedure-Advanced
ALAW 4301	Legal Research and Writing
ALAW 4310	Appeals and Brief Writing

### **\*TECHNOLOGY CORPORATE TRAINING**

TECT 3301	Foundations of Technology Training
TECT 3302	Psychology of Technology Training
TECT 3303	Training Methods in Industry
TECT 4304	The IT Trainer Consultant

(Technology Training Certificate awarded for 12 hours training block)

### **\* # COMPUTER INFORMATION SYSTEMS**

Select from any 3000 or 4000 level Computer Information Systems courses  
# Courses online Tests proctored.

### **GOVERNMENT**

Select from any 3000 or 4000 level Government courses

### **HISTORY**

Select from any 3000 or 4000 level History courses

### **PSYCHOLOGY**

Select from any 3000 or 4000 level Psychology courses

### **SOCIOLOGY**

Select from any 3000 or 4000 level Sociology courses

### **SPANISH**

Select from any 3000 or 4000 level Spanish courses

### **TRANSLATION STUDIES IN SPANISH**

Select from any 3000 or 4000 level Translation Studies in Spanish courses

# MUSIC – GUITAR

BM.GUIT  
2009 - 2010

## Bachelor of Music in Performance

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF LIBERAL ARTS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	53 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>			
	3	†		MUSI 1181 Piano Class *	1		
	3	†		*Student must continue to register for this class until Music Dept. piano proficiency is passed.			
				MUSI 1211/1111 Music Theory I	3	†	
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			MUSI 1212/1112 Music Theory II	3	†	
Six hours of modern languages, other than English				MUSI 2211/2111 Music Theory III	3	†	
	3			MUSI 2212/2112 Music Theory IV	3	†	
	3			MUSI 3211 Orchestration & Arranging *	2	†	
				*Student must pass an aural skills and piano proficiency exam before enrolling in MUSI 3211.			
<b>020 - MATHEMATICS</b>	3 hours			MUSI 3289 Introduction to Conducting	2	†	
	3	†		MUSI 3308 Music History II	3		
				MUSI 3309 Music History III	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			MUSI 3312 Counterpoint & Analysis	3		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				MUSI 4211 Computer Applications in Music	2		
	3, 1			MUSI 4289 Advanced Conducting	2		
	3, 1			MUSI 4301 Senior Experience in Music	3		
				MUAP 1287 Applied Music I	2	†	
<b>040 - HUMANITIES</b>	3 hours			MUAP 1288 Applied Music II	2	†	
	3			MUAP 2287 Applied Music III	2	†	
				MUAP 2288 Applied Music IV	2	†	
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			MUAP 3301 Applied Music V *	3	†	
MUSI 1308 Music Literature and History I <i>required for major</i>	3			*Student must pass a sophomore recital before enrolling in MUAP 3301.			
				MUAP 3302 Applied Music VI	3	†	
<b>060 - HISTORY</b>	6 hours			MUAP 4301 Applied Music VII	3	†	
	3			*Student must pass a junior recital before enrolling in MUAP 4301.			
	3			MUAP 4302 Applied Music VIII*	3	†	
				*Student must pass a senior recital before graduation.			
<b>070 - GOVERNMENT</b>	6 hours			<b>GUITAR OPTION COURSES</b>	<b>19 HOURS</b>		
	3			MUSI 3370 Topics in Music Literature	3		
	3			MUSI 3380 Music Pedagogy	3		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			MUEN 1137/3137 Guitar Ensemble (core ensemble)	8		
	3			MUEN Secondary Ensemble *	5		
				*Must be enrolled in core and secondary ensemble every semester			
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			Suggested secondary ensembles: Choir, Chamber, Improvisation, Jazz Guitar, Jazz Band, Mariachi.			
KINE 11__ (One hour of activity/health/wellness/ fitness)	1						
SPEECH	3						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

In addition, each semester the student is required to be in a core ensemble and an elective ensemble of choice and be enrolled in the appropriate applied lesson, pass a piano proficiency exam and pass a comprehensive departmental exam before graduation. The student is required to be enrolled in piano class each long semester until the piano exam is passed.

The General Education Core courses listed are those recommended for this major.

# MUSIC – INSTRUMENTAL

BM.INST  
2009 – 2010

## Bachelor of Music in Performance

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF LIBERAL ARTS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	53 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>			
	3	†		MUSI 1181 Piano Class *	1		
	3	†		*Student must continue to register for this class until Music Dept. piano proficiency is passed.			
				MUSI 1211/1111 Music Theory I	3	†	
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			MUSI 1212/1112 Music Theory II	3	†	
Six hours of modern language, other than English.				MUSI 2211/2111 Music Theory III	3	†	
FREN 1311 Elementary French I <i>required for major</i>	3			MUSI 2212/2112 Music Theory IV	3	†	
GERM 1311 Elementary German I <i>required for major</i>	3			MUSI 3211 Orchestration & Arranging *	2		
				*Student must pass an aural skills and piano proficiency exam before enrolling in MUSI 3211.			
<b>020 - MATHEMATICS</b>	3 hours			MUSI 3289 Introduction to Conducting	2	†	
	3	†		MUSI 3308 Music History II	3		
				MUSI 3309 Music History III	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			MUSI 3312 Counterpoint & Analysis	3		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				MUSI 4211 Computer Applications in Music	2		
	3,1			MUSI 4289 Advanced Conducting	2		
	3,1			MUSI 4301 Senior Experience in Music	3		
				MUAP 1287 Applied Music I	2	†	
<b>040 - HUMANITIES</b>	3 hours			MUAP 1288 Applied Music II	2	†	
	3			MUAP 2287 Applied Music III	2	†	
				MUAP 2288 Applied Music IV	2	†	
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			MUAP 3301 Applied Music V *	3	†	
MUSI 1308 Music Literature and History I <i>required for major</i>	3			*Student must pass a sophomore recital before enrolling in MUAP 3301.			
				MUAP 3302 Applied Music VI	3	†	
<b>060 - HISTORY</b>	6 hours			MUAP 4301 Applied Music VII	3	†	
	3			*Student must pass a junior recital before enrolling in MUAP 4301.			
	3			MUAP 4302 Applied Music VIII*	3	†	
				*Student must pass a senior recital before graduation.			
<b>070 - GOVERNMENT</b>	6 hours						
	3			<b>INSTRUMENTAL OPTION COURSES</b>	<b>19 HOURS</b>		
	3			MUSI 3370 Topics in Music Literature	3		
				MUSI 3380 Music Pedagogy	3		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			MUEN (Core ensemble)	8		
	3			MUEN Ensembles (must be advanced level)*	5		
				*Must be enrolled in core ensemble and an elective ensemble each semester.			
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11____ (One hour of activity/health/wellness/ fitness)	1						
SPEECH	3			<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
				<b>TOTAL ADVANCED HOURS (Minimum)</b>	<b>36</b>		

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

In addition, each semester the student is required to be in a core ensemble and an elective ensemble of choice and be enrolled in the appropriate applied lesson, pass a piano proficiency exam and pass a comprehensive departmental exam before graduation. The student is required to be enrolled in piano class each long semester until the piano exam is passed.

The General Education Core courses listed are those recommended for this major.

# MUSIC – KEYBOARD

BM. KEYB  
2009 – 2010

## Bachelor of Music in Performance

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF LIBERAL ARTS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	53 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>			
	3	†		MUSI 1181 Piano Class *	1		
	3	†		*Student must continue to register for this class until Music Dept. piano proficiency is passed.			
				MUSI 1211/1111 Music Theory I	3	†	
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			MUSI 1212/1112 Music Theory II	3	†	
Six hours of modern language, other than English.				MUSI 2211/2111 Music Theory III	3	†	
FREN 1311 Elementary French I <i>required for major</i>	3			MUSI 2212/2112 Music Theory IV	3	†	
GERM 1311 Elementary German I <i>required for major</i>	3			MUSI 3211 Orchestration & Arranging *	2	†	
				*Student must pass an aural skills and piano proficiency exam before enrolling in MUSI 3211.			
<b>020 - MATHEMATICS</b>	3 hours			MUSI 3289 Introduction to Conducting	2	†	
	3	†		MUSI 3308 Music History II	3		
				MUSI 3309 Music History III	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			MUSI 3312 Counterpoint & Analysis	3		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				MUSI 4211 Computer Applications in Music	2		
	3,1			MUSI 4289 Advanced Conducting	2		
	3,1			MUSI 4301 Senior Experience in Music	3		
				MUAP 1287 Applied Music I	2	†	
<b>040 - HUMANITIES</b>	3 hours			MUAP 1288 Applied Music II	2	†	
	3			MUAP 2287 Applied Music III	2	†	
				MUAP 2288 Applied Music IV	2	†	
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			MUAP 3301 Applied Music V *	3	†	
MUSI 1308 Music Literature and History I <i>required for major</i>	3			*Student must pass a sophomore recital before enrolling in MUAP 3301.			
				MUAP 3302 Applied Music VI	3	†	
<b>060 - HISTORY</b>	6 hours			MUAP 4301 Applied Music VII	3	†	
	3			*Student must pass a junior recital before enrolling in MUAP 4301.			
	3			MUAP 4302 Applied Music VIII*	3	†	
				*Student must pass a senior recital before graduation.			
<b>070 - GOVERNMENT</b>	6 hours						
	3			<b>KEYBOARD OPTION COURSES</b>	<b>19 HOURS</b>		
	3			MUSI 1114 Keyboard Skills I	1		
				MUSI 1115 Keyboard Skills II	1		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			MUSI 3370 Topics in Music Literature	3		
	3			MUSI 3380 Music Pedagogy	3		
				MUEN 1142/3142 Accompanying (core ensemble)	8		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			MUEN Secondary ensemble*	3		
KINE 11__ (One hour of activity/health/wellness/ fitness)	1			* Must be enrolled in core and secondary ensemble each semester			
<b>SPEECH</b>	3			<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

In addition, each semester the student is required to be in a core ensemble and an elective ensemble of choice and be enrolled in the appropriate applied lesson, pass a piano proficiency exam and pass a comprehensive departmental exam before graduation. The student is required to be enrolled in piano class each long semester until the piano exam is passed.

The General Education Core courses listed are those recommended for this major.

# MUSIC – VOCAL

BM. VOCAL  
2009 – 2010

## Bachelor of Music in Performance

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF LIBERAL ARTS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	53 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>			
	3	†		MUSI 1181 Piano Class *	1		
	3	†		*Student must continue to register for this class until Music Dept. piano proficiency is passed.			
				MUSI 1211/1111 Music Theory I	3	†	
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			MUSI 1212/1112 Music Theory II	3	†	
Six hours of modern language, other than English.				MUSI 2211/2111 Music Theory III	3	†	
FREN 1311 Elementary French I <i>required for major</i>	3			MUSI 2212/2112 Music Theory IV	3	†	
GERM 1311 Elementary German I <i>required for major</i>	3			MUSI 3211 Orchestration & Arranging *	2		
				*Student must pass an aural skills and piano proficiency exam before enrolling in MUSI 3211.			
<b>020 - MATHEMATICS</b>	3 hours			MUSI 3289 Introduction to Conducting	2	†	
	3	†		MUSI 3308 Music History II	3		
				MUSI 3309 Music History III	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			MUSI 3312 Counterpoint & Analysis	3		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				MUSI 4211 Computer Applications in Music	2		
	3,1			MUSI 4289 Advanced Conducting	2		
	3,1			MUSI 4301 Senior Experience in Music	3		
				MUAP 1287 Applied Music I	2	†	
<b>040 - HUMANITIES</b>	3 hours			MUAP 1288 Applied Music II	2	†	
	3			MUAP 2287 Applied Music III	2	†	
				MUAP 2288 Applied Music IV	2	†	
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			MUAP 3301 Applied Music V *	3	†	
MUSI 1308 Music Literature and History I <i>required for major</i>	3			*Student must pass a sophomore recital before enrolling in MUAP 3301.			
				MUAP 3302 Applied Music VI	3	†	
<b>060 - HISTORY</b>	6 hours			MUAP 4301 Applied Music VII	3	†	
	3			*Student must pass a junior recital before enrolling in MUAP 4301.			
	3			MUAP 4302 Applied Music VIII*	3	†	
				*Student must pass a senior recital before graduation.			
<b>070 - GOVERNMENT</b>	6 hours						
	3			<b>VOCAL OPTION COURSES</b>	<b>19 HOURS</b>		
	3			MUSI 1162 Diction I	1		
				MUSI 1165 Diction II	1		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			MUSI 3370 Topics in Music Literature	3		
	3			MUSI 3380 Music Pedagogy	3		
				MUEN Ensembles*	11		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			* Must be enrolled in core ensemble and an elective ensemble each semester.			
KINE 11__ (One hour of activity/health/wellness/ fitness)	1						
SPEECH	3			<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

In addition, each semester the student is required to be in a core ensemble and an elective ensemble of choice and be enrolled in the appropriate applied lesson, pass a piano proficiency exam before student teaching and pass a comprehensive departmental exam before graduation. The student is required to be enrolled in piano class each long semester until the piano exam is passed.

The General Education Core courses listed are those recommended for this major.

# NURSING

BSN.NURS  
2009 – 2010

## Bachelor of Science

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
SCHOOL OF HEALTH SCIENCES

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS †	48 HOURS			MAJOR REQUIREMENTS †	70 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>	38 hours		
	3			NURS 3701 Nursing of the Adult Client	7		
	3			NURS 3702 Nursing of the Childbearing and Ch. Family	7		
				NURS 3303 Nursing of the Family in Psychosocial Crisis	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			NURS 3604 Clinical Skills in Nursing Practice	6		
Six hours of modern language, other than English.				NURS 3705 Advanced Concepts of Clinical Decision	7		
	3			NURS 3207 Nursing in the Community	2		
	3			NURS 3308 Health Assessment in Nursing Practice	3		
				NURS 3309 Pharmacology and Client Care	3		
<b>020 - MATHEMATICS</b>	3 hours						
MATH 1314 College Algebra <i>required for major</i>	3			<b>NURSING CLASS BASE CORE COURSES</b>	32 hours		
				NURS 4305 Perspectives in Prof. Nursing Practice	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			NURS 4409 Foundations of Holistic Nursing	4		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				NURS 4406 Health Promotion in Professional Nursing	4		
BIOL 2301/2101 Human Anatomy and Physiology I Lab I <i>required</i>	3, 1			NURS 4311 Contemporary Issues in Prof. Nursing	3		
BIOL 2302/2102 Human Anatomy and Physiology II Lab II <i>required</i>	3, 1			NURS 4309 Research in Professional Nursing	3		
				NURS 4610 Professional Nursing in the Community	6		
<b>040 - HUMANITIES</b>	3 hours			NURS 4307 Trans-cultural Nursing	3		
	3			NURS 4612 Leadership in Professional Nursing	6		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			<b>ADDITIONAL DEGREE BASE REQUIREMENTS</b>	3 hours		
	3			x3xx Statistics	3		
				( MATH 1342 or PSYC 2317 or SOCI 2317)			
<b>060 - HISTORY</b>	6 hours						
	3						
	3						
<b>070 - GOVERNMENT</b>	6 hours						
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours						
	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11__ (One hour of activity/health/wellness/ fitness)	1						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	121		
SPEECH	3			<b>TOTAL ADVANCED HOURS (minimum)</b>	36		

† All Courses Require a Minimum Grade "C"  
The General Education Core courses listed are those recommended for this major.

# PHYSICS

BS.PHYS  
2009 – 2010

## 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 REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	44 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>	29 hours		
	3	†		PHYS 3400 Modern Physics	4		
	3	†		PHYS 3201 Advanced Physics Lab I	2		
				PHYS 3310 Classical Mechanics	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			PHYS 3320 Thermodynamics	3		
Six hours of modern language, other than English.				PHYS 3490 Mathematics for Scientists and Engineers I	4		
	3			PHYS 3492 Mathematics for Scientists and Engineers II	4		
	3			PHYS 4300 Undergraduate Research	3		
				PHYS 4320 Quantum Mechanics	3		
<b>020 - MATHEMATICS</b>	3 hours			PHYS 4330 Electromagnetic Theory	3		
MATH 2413 Calculus I <i>required for major</i>	3*	†					
				<b>PHYSICS ELECTIVES</b>	6 hours		
<b>030 - NATURAL SCIENCE</b>	8 hours			(6 hours must be advanced 3000, 4000 level)			
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				PHYS _____ Advanced	3		
PHYS 2325/2125 University Physics I & Lab I <i>required for major</i>	3,1			PHYS _____ Advanced	3		
PHYS 2326/2126 University Physics II & Lab II <i>required for major</i>	3,1						
				<b>RESTRICTED ELECTIVES **</b>	9 hours		
<b>040 - HUMANITIES</b>	3 hours				3		
	3				3		
					3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			** Chemistry, Biology, Computer Science, Advanced Math, or Advanced Physics.			
	3			Advisor's approval is required.			
<b>060 - HISTORY</b>	6 hours			<b>SUPPORT COURSES</b>	23 HOURS		
	3			MATH 2413 Calculus I	1*	†	
	3			MATH 2414 Calculus II	4		
				MATH 2415 Calculus III	4		
<b>070 - GOVERNMENT</b>	6 hours			MATH 3349 Differential Equations	3		
	3			CHEM 1311 General Chemistry I	3		
	3			CHEM 1111 General Chemistry I Laboratory	1		
				CHEM 1312 General Chemistry II	3		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			CHEM 1112 General Chemistry II Laboratory	1		
	3			COSC 1336 Programming Fundamentals I	3		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			<b>ELECTIVES</b>	5 HOURS		
KINE 11_____ (One hour of activity/health/wellness/fitness)	1						
<b>SPEECH</b>	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.

The General Education Core courses listed are those recommended for this major.



# PHYSICS – Biophysics Specialization

BS.PHYS.BIO  
2009 – 2010

## 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 REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	51 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>	29 hours		
	3	†		PHYS 3400 Modern Physics	4		
	3	†		PHYS 3201 Advanced Physics Lab I	2		
				PHYS 3310 Classical Mechanics	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			PHYS 3320 Thermodynamics	3		
Six hours of modern language, other than English.				PHYS 3490 Mathematics for Scientists and Engineers I	4		
	3			PHYS 3492 Mathematics for Scientists and Engineers II	4		
	3			PHYS 4300 Undergraduate Research	3		
				PHYS 4320 Quantum Mechanics	3		
<b>020 - MATHEMATICS</b>	3 hours			PHYS 4330 Electromagnetic Theory	3		
MATH 2413 Calculus I <i>required for major</i>	3*	†					
				<b>BIOPHYSICS CORE</b>	22 hours		
<b>030 - NATURAL SCIENCE</b>	8 hours			CHEM 2323 Organic Chemistry	3		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				CHEM 2123 Organic Chemistry Laboratory	1		
PHYS 2325 /2125 University Physics I & Lab I <i>required for major</i>	3,1			BIOL 3312 Cell Biology	3		
PHYS 2326 /2126 University Physics II & Lab II <i>required for major</i>	3,1			BIOL 3112 Cell Biology Laboratory	1		
				CHEM 3303 Biochemistry	3		
<b>040 - HUMANITIES</b>	3 hours			CHEM 3103 Biochemistry Laboratory	1		
	3			PHYS 3315 Biophysics	3		
				PHYS 4315 Analysis Bioengineering	3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			BENG 4320 Molecular Bioengineering	3		
	3			BENG 4120 Molecular Bioengineering Laboratory	1		
<b>060 - HISTORY</b>	6 hours			<b>SUPPORT COURSES</b>	21 HOURS		
	3			MATH 2413 Calculus I	1*	†	
	3			MATH 2414 Calculus II	4		
				CHEM 1311 General Chemistry I	3		
<b>070 - GOVERNMENT</b>	6 hours			CHEM 1111 General Chemistry I Laboratory	1		
	3			CHEM 1312 General Chemistry II	3		
	3			CHEM 1112 General Chemistry II Laboratory	1		
				BIOL 1306 General Biology I	3		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			BIOL 1106 General Biology I Laboratory	1		
	3			BIOL 1307 General Biology II	3		
				BIOL 1107 General Biology II Laboratory	1		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11_____ (One hour of activity/health/wellness/fitness)	1						
SPEECH	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.

The General Education Core courses listed are those recommended for this major.

Source: Academic Advising Center

AG/AP/RP

Rev. 5-15-09







# SPANISH

BA.SPAN  
2009 – 2010

## Bachelor of Arts

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF LIBERAL ARTS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	33 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			<b>CORE COURSES FOR THE MAJOR</b>	<b>27 hours</b>		
	3	†		SPAN 3301 Spanish Literature I (1100-1750)	3		
	3	†		SPAN 3302 Spanish Literature II (1750-Present) <i>or</i>			
				SPAN 4309 Contemporary Spanish Literature	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			SPAN 3303 Advanced Spanish Composition	3		
Six hours of modern language, other than English.				SPAN 3310 Masterpieces of Spanish American Lit. I	3		
SPAN 2321 Hispanic Lang. and Culture I <i>recommended for major</i>	3			SPAN 3311 Masterpieces of Spanish American Lit. II	3		
SPAN 2322 Hispanic Lang. and Culture II <i>recommended for major</i>	3			SPAN 3330 Spanish Grammar	3		
				SPAN 4310 Spanish Phonology and Phonetics <i>or</i>			
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			SPAN 4317 Spanish Language in Social Context	3		
	3	†		SPAN 4371 Chicano Narrative	3		
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			<b>SPANISH ELECTIVES</b>	<b>6 hours</b>		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				<b>(6 hours must be advanced 3000, 4000 level)</b>			
	3, 1			SPAN <span style="float: right;">Advanced</span>	3		
	3, 1			SPAN <span style="float: right;">Advanced</span>	3		
<b>040 - HUMANITIES</b>	<b>3 hours</b>			<b>Select 3 hours from the following list:</b>	<b>3 hours</b>		
	3			SPAN 3340 The Hispanic World			
				SPAN 4303 Hispanic Civilization			
<b>050 - VISUAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>			SPAN 4373 Topics in Hispanic Culture			
	3						
				<b>SUPPORT AREA AND/OR MINOR AND/OR ELECTIVES</b>	<b>39 HOURS</b>		
<b>060 - HISTORY</b>	<b>6 hours</b>			<b>(3 hours must be advanced 3000, 4000 level)</b>			
	3			Advanced			
	3						
<b>070 - GOVERNMENT</b>	<b>6 hours</b>						
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>						
	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>			<b>Recommended: General Education Courses</b>			
KINE 11__ (One hour of activity/health/wellness/ fitness)	1			SOCI 2319 The Mexican American Experience			
SPEECH	3			ENGL 2332 World Literature to 1660			
				MATH 1332 Mathematics for Liberal Arts			
				HIST 2321 World History I			
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

† Grade of "C" or better is required for graduation.  
The General Education Core courses listed are those recommended for this major.

# SPANISH TRANSLATION AND INTERPRETING

BA.TRSP  
2009 - 2010

## Bachelor of Arts

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF LIBERAL ARTS

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	39 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	6 hours			<b>CORE COURSES FOR THE MAJOR</b>	33 hours		
	3	†		SPAN 2316 Career Spanish	3		
	3	†		SPAN 2317 Business Spanish	3		
				TRSP/SPAN 2318 Basic Spanish to English Translation	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			TRSP/SPAN 2319 Basic English to Spanish Translation	3		
Six hours of modern language, other than English.				TRSP/SPAN 3332 Spanish / English Translation	3		
SPAN 2321 or SPAN 2313 <i>required for major</i>	3			TRSP/SPAN 3333 English / Spanish Translation	3		
SPAN 2322 or SPAN 2315 <i>required for major</i>	3			TRSP/SPAN 3334 Translation Technologies	3		
				TRSP/SPAN 4332 Commercial Translation	3		
<b>020 - MATHEMATICS</b>	3 hours			TRSP/SPAN 4334 Legal Translation	3		
	3	†		TRSP 4366 Interpreting I	3		
				TRSP 4367 Interpreting II or	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			TRSP 3335 Topics in Translation	3		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).							
	3, 1			<b>TRANSLATION / SPANISH ELECTIVES</b>	6 hours		
	3, 1			(6 hours must be advanced 3000, 4000 level)			
				TRSP / SPAN Advanced	3		
<b>040 - HUMANITIES</b>	3 hours			TRSP / SPAN Advanced	3		
	3						
				<b>SUPPORT AREA AND/OR MINOR AND/OR ELECTIVES</b>	33 HOURS		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			(9 hours must be advanced 3000, 4000 level)			
	3			(Recommended Minor in Spanish or French Language and Translation)			
				Advanced			
<b>060 - HISTORY</b>	6 hours			Advanced			
	3			Advanced			
	3						
<b>070 - GOVERNMENT</b>	6 hours						
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours						
	3						
				<b>Recommended Courses for Spanish Majors/Minors/Support Areas</b>			
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			SOCI 2319 The Mexican American Experience			
KINE 11____ (One hour of activity/health/wellness/ fitness)	1			ENGL 2332 World Literature to 1660			
				ECON 2301 Macroeconomics			
SPEECH	3			GEOG 1303 General World Geography			
				FREN Any level			
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

† Grade of "C" or better is required for graduation.  
The General Education Core courses listed are those recommended for this major.

# WORKFORCE LEADERSHIP AND TRAINING

BAT.WLT  
2009 – 2010

## Bachelor of Applied Technology (B.A.T.)<sup>^</sup>

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF APPLIED TECHNOLOGY AND GENERAL STUDIES

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			AAS DEGREE OR EQUIVALENT	33 HOURS		
	HRS	GR	SEM	Degree Major:			
<b>010 - COMMUNICATION</b>	6 hours			Institution:			
	3	†		Date:			
	3	†					
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			<b>WORKFORCE LEADERSHIP/TRAINING</b>	<b>39 HOURS</b>		
Six hours of modern language, other than English.	3			<b>Workforce Leadership</b>	<b>27 hours</b>		
	3			APBT 3309 Workforce Ethics	3		
				APBT 3312 Administrative Office Management	3		
<b>020 - MATHEMATICS</b>	3 hours			APBT 3335 Applied Organizational Communication	3		
MATH 1314 College Algebra <i>required for major</i> <b>or</b>		†		MANA 3361 Principles of Management	3		
MATH 1342 Elementary Statistics <i>required for major</i>		†		MANA 3362 Human Resource Management	3	*	
				MANA 4366 Small Business Management	3	*	
<b>030 - NATURAL SCIENCE</b>	8 hours			MARK 3371 Principles of Marketing	3	*	
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).	3,1			APBT 3322 Information & Technology in Organizations	3		
	3,1			APBT 4391 Current Issues in Applied Technology	3		
				<b>TRAINING</b>	<b>12 hours</b>		
<b>040 - HUMANITIES</b>	3 hours			TECT 3301 Foundations of Technology Training	3	**	
	3			TECT 3302 Psychology of Technology Training	3	**	
				TECT 3303 Training Methods in Industry	3	**	
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			TECT 4304 The Trainer & Consultant for Technology Education	3	**	
	3						
<b>060 - HISTORY</b>	6 hours						
	3						
	3						
<b>070 - GOVERNMENT</b>	6 hours						
	3						
	3						
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours						
ECON 2301 Macroeconomics <i>required for major</i> <b>or</b>							
PSYC 2301 Introduction to Psychology <i>required for major</i> <b>or</b>							
SOCI 1301 Introduction to Sociology <i>required for major</i> <b>or</b>							
SOCI 2319 The Mexican American Experience <i>required for major</i>							
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11__ (One hour of activity/health/wellness/ fitness)	1						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>120</b>		
SPEECH	3			<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

\* Student must have a minimum 2.5 GPA in General Education Core and request admission to upper division from the College of Applied Technology and General Studies.

\*\* Technology Training Certificate awarded for 12 hours training block.

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

<sup>^</sup> Not a School of Business Degree.

The General Education Core courses listed are those recommended for this major.

Source: Academic Advising Center  
AG/AP/RP

Rev. 5-15-09

# EARLY CHILDHOOD – 6<sup>TH</sup> GRADE BILINGUAL GENERALIST

BAIS.EC-6.BILC.GEN  
2009-2010

## Bachelor of Arts in Interdisciplinary Studies

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF EDUCATION

**Teacher Certification**

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	46 HOURS			PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			EDUC 1301 Introduction to the Teaching Profession	3	†	
	3	†		EDUC 2301 Introduction to Special Populations	3	†	
	3	†					
				<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	<b>18 HOURS £</b>		
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			EDCI 3314 Methods in Teaching Mathematics and Science	3	†£	
Six hours of modern language, other than English.				EDCI 4322 Human Development and Instruction	3	†£	
SPAN 2321 Hispanic Language & Culture I <i>required for major</i>	3			EDCI 4324 Designing Inst. & Assess to Promote Student Lrng.	3	†£	
SPAN 2322 Hispanic Language & Culture II <i>required for major</i>	3			EDCI 4325 Implementing Responsive Instruction & Assessment	3	†£	
				EDBI 4608 Student Teaching EC-6 Bilingual Generalist	6	†£	
<b>020 - MATHEMATICS</b>	<b>3 hours</b>						
	3	†		<b>READING</b>	<b>9 HOURS £</b>		
				BILS 3310 Emergent Literacy in the Bil. Classroom (Spanish)	3	£	
<b>030 - NATURAL SCIENCE</b>	<b>6 hours</b>			BILS 3312 Teaching Reading in the Bil. Classroom (Spanish)	3	£	
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				BILS 3314 Content Area Methodology in the Bil. Classroom (Spanish)	3	£	
	3						
	3						
				<b>ENGLISH/SPANISH</b>	<b>12 HOURS</b>		
<b>040 - HUMANITIES</b>	<b>3 hours</b>			ENGL 3319 Introduction to Descriptive Linguistics	3		
	3			ENGL 3330 English Grammar	3		
				SPAN 4316 Acquisition of the Spanish Language	3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			SPAN 4368 Children's Literature in Spanish	3		
MUSI 1304 Teaching Music in the Elem. School <i>required</i>	3						
				<b>SOCIAL STUDIES</b>	<b>6 HOURS</b>		
<b>060 - HISTORY</b>	<b>6 hours</b>			GEOG 3320 Cultural Geography for Educators	3		
	3			INDS 3303 Culture & Humanity: Human Diversity in Cross Cultural Perspective	3		
	3						
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			<b>MATH</b>	<b>6 HOURS</b>		
	3			MATH 1350 Fundamental of Mathematics for Teachers I	3		
	3			MATH 1351 Fundamental of Mathematics for Teachers II	3		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>			<b>SCIENCE</b>	<b>6 HOURS</b>		
	3			PSCI 4210 Physical Science for Teachers I	2		
				PSCI 4220 Physical Science for Teachers II	2		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>			* Science Lab	1		
KINE 11____ (One hour of activity/health/wellness/ fitness)	1			* Science Lab	1		
<b>SPEECH</b>	3	‡		<b>COMBINATION OF SUBJECTS</b>	<b>17 HOURS £</b>		
				EDSL 4307 Foundations of ESL	3	£	
				EDEC 4385 Growth and Development of the Young Child	3	£	
				EDEC 4389 The Environment and Early Childhood	3	£	
				SPED 4386 Modifications in Inclusive Settings	3	£	
				EDLI 3329 Literacy Assessment for ESL Learners	3	£	
				KINEU 2255 Health & Motor Development for EC-6	2	£	
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

‡ Grade of "B" or better is required for graduation.

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

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

The General Education Core courses listed are those recommended for this major.



# EARLY CHILDHOOD – 6<sup>TH</sup> GRADE ESL GENERALIST

BAIS.EC-6.ESL.GEN  
2009-2010

## Bachelor of Arts in Interdisciplinary Studies

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF EDUCATION

**Teacher Certification**

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	46 HOURS			PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	6 hours			EDUC 1301 Introduction to the Teaching Profession	3	†	
	3	†		EDUC 2301 Introduction to Special Populations	3	†	
	3	†					
				<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	21 HOURS £		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			EDCI 3314 Methods in Teaching Mathematics and Science	3	†£	
Six hours of modern language, other than English.				EDSL 4306 Content Area Methods in the ESL Classroom	3	†£	
	3			EDCI 4322 Human Development and Instruction	3	†£	
	3			EDCI 4324 Designing Inst. & Assess to Promote Student Lrng	3	†£	
				EDCI 4325 Implementing Responsive Instruction & Assessment	3	†£	
<b>020 - MATHEMATICS</b>	3 hours			EDCI 4608 Student Teaching EC-6 ESL Generalist	6	†£	
	3	†					
				<b>READING</b>	12 HOURS £		
<b>030 - NATURAL SCIENCE</b>	6 hours			EDLI 3311 Beginning English Literacy for Eng. Lang. Learn.	3	£	
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				EDLI 3325 Beginning Literacy for ESL Learners: 2 <sup>nd</sup> -4 <sup>th</sup> Grades	3	£	
* See major ≈ Science Lab requirement	(2)			EDLI 3329 Literacy Assessment for E. S. L. Learners	3	£	
	3			EDLI 3340 E.S.L. Language Arts and Literature	3	£	
	3						
				<b>ENGLISH</b>	9 HOURS		
<b>040 - HUMANITIES</b>	3 hours			ENGL 3319 Introduction to Descriptive Linguistics	3		
	3			ENGL 4325 Composition Techniques	3		
				ENGL 3330 English Grammar	3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours						
MUSI 1304 Teaching Music in the Elem. School <i>required for major</i>	3			<b>SOCIAL STUDIES</b>	6 HOURS		
				GEOG 3320 Cultural Geography for Educators	3		
<b>060 - HISTORY</b>	6 hours			INDS 3303 Culture & Humanity: Human Diversity in Cross Cultural Perspective	3		
	3						
	3						
				<b>MATH</b>	6 HOURS		
<b>070 - GOVERNMENT</b>	6 hours			MATH 1350 Fundamental of Mathematics for Teachers I	3		
	3			MATH 1351 Fundamental of Mathematics for Teachers II	3		
	3						
				<b>SCIENCE</b>	6 HOURS		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			PSCI 4210 Physical Science for Teachers I	2		
	3			PSCI 4220 Physical Science for Teachers II	2		
				* Science Lab	1		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			* Science Lab	1		
KINE 11___ (One hour of activity/health/wellness/ fitness)	1						
				<b>COMBINATION OF SUBJECTS</b>	14 HOURS £		
<b>SPEECH</b>	3	‡		EDSL 4307 Foundations of ESL	3	£	
				EDEC 4385 Growth and Development of the Young Child	3	£	
				EDEC 4389 The Environment and Early Childhood	3	£	
				SPED 4386 Modifications in Inclusive Settings	3	£	
				KINEU 2255 Health & Motor Development for EC-6	2	£	
				<b>TOTAL CREDITS FOR GRADUATION</b>	126		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	36		

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

‡ Grade of "B" or better is required for graduation.

£ Maintain a minimum 2.50 GPA with no grade lower than a C. Student must meet all Program Admission Requirements/Student Teaching Rqmts. Contact College of Education for further information.

The General Education Core courses listed are those recommended for this major.

# EARLY CHILDHOOD – 6<sup>TH</sup> GRADE GENERALIST/ EC - 12<sup>TH</sup> GRADE SPECIAL EDUCATION

BAIS.EC-6.SPED.GEN  
2009-2010

## Bachelor of Arts in Interdisciplinary Studies

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF EDUCATION

**Teacher Certification**

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	46 HOURS			PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	6 hours			EDUC 1301 Introduction to the Teaching Profession	3	†	
	3	†		EDUC 2301 Introduction to Special Populations	3	†	
	3	†					
				<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	<b>18 HOURS £</b>		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			EDCI 3314 Methods in Teaching Mathematics and Science	3	†£	
Six hours of modern language, other than English.				EDCI 4322 Human Development and Instruction	3	†£	
	3			EDCI 4324 Designing Inst. & Assess to Promote Student Lrng.	3	†£	
	3			EDCI 4325 Implementing Responsive Instruction & Assess.	3	†£	
				EDCI 4311 Student Teaching EC-6	3	†£	
<b>020 - MATHEMATICS</b>	3 hours			SPED 4313 Student Teaching Generic Special Education	3	†£	
	3	†					
				<b>READING</b>	<b>9 HOURS £</b>		
<b>030 - NATURAL SCIENCE</b>	6 hours			EDLI 3311 Beginning English Literacy for Eng. Lang. Learn.	3	†£	
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				EDLI 3329 Literacy Assessment for E.S.L. Learners	3	†£	
	3			EDLI 3340 E. S. L. Language Arts and Literature	3	†£	
	3						
* See major ≈ Science Lab requirement				<b>ENGLISH</b>	<b>9 HOURS</b>		
<b>040 - HUMANITIES</b>	3 hours			ENGL 3319 Introduction to Descriptive Linguistics	3		
	3			ENGL 4325 Composition Techniques	3		
				ENGL 3330 English Grammar	3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours						
MUSI 1304 Teaching Music in the Elem. School <i>required for major</i>	3			<b>SOCIAL STUDIES</b>	<b>3 HOURS</b>		
				GEOG 3320 Cultural Geography for Educators	3		
<b>060 - HISTORY</b>	6 hours						
	3			<b>MATH</b>	<b>6 HOURS</b>		
	3			MATH 1350 Fundamental of Mathematics for Teachers I	3		
				MATH 1351 Fundamental of Mathematics for Teachers II	3		
<b>070 - GOVERNMENT</b>	6 hours						
	3			<b>SCIENCE</b>	<b>6 HOURS</b>		
	3			PSCI 4210 Physical Science for Teachers I	2		
				PSCI 4220 Physical Science for Teachers II	2		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			* Science Lab	1		
	3			* Science Lab	1		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			<b>SPECIAL EDUCATION</b>	<b>21 HOURS £</b>		
KINE 11 (One hour of activity/health/wellness/ fitness)	1			SPED 3390 Introduction to Exceptional Children	3	£	
				SPED 4320 Legal Roles and Resp. of the Special Educator	3	£	
SPEECH	3	‡		SPED 4330 Problems in Lang. and Lit. for Inds. w/Special Needs	3	£	
				SPED 4380 Classroom Inst. For Individuals w/ Special Needs	3	£	
				SPED 4395 Practicum in Generic Special Education	3	£	
				EDEC 4389 The Environment and Early Childhood	3	£	
				SPED 4350 Teaching Struggling Learn. in Inclusive Classroom	3	£	
				<b>ADDITIONAL REQUIREMENTS</b>	<b>2 HOURS</b>		
				KINEU 2255 Health & Motor Development for EC-6	2		
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

‡ Grade of "B" or better is required for graduation.

£ Maintain a minimum 2.50 GPA with no grade lower than C. Student must meet all Program Admission Requirements/Student Teaching Rqmts. Contact College of Education for further information.

The General Education Core courses listed are those recommended for this major.

Source: Academic Advising Center  
AG/AP/RP

Rev. 1-7-10

# ENGLISH / LANGUAGE ARTS / READING – 4<sup>th</sup> – 8<sup>th</sup> GRADE TEACHING

BA.ENGL.4-8  
2009 - 2010

## Bachelor of Arts

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF LIBERAL ARTS

**Teacher Certification**

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	46 HOURS			PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	6 hours			EDUC 1301 Introduction to the Teaching Profession	3	†	
	3	†		EDUC 2301 Introduction to Special Population	3	†	
	3	†					
				<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	<b>21 HOURS £</b>		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			EDUC 2303 Technology in Education	3	†£	
Six hours of modern language, other than English				EDMG 4322 Human Development and Instruction	3	†£	
	3			EDMG 4324 Designing Inst. & Assess to Promote Student Lrng	3	†£	
	3			EDMG 4325 Implementing Responsive Instr. & Assessment	3	†£	
				SPED 4386 Modifications in Inclusive Settings	3	†£	
<b>020 - MATHEMATICS</b>	3 hours			EDMG 4648 Student Teaching 4-8	6	†£	
	3	†					
				<b>CERTIFICATION FIELDS</b>	<b>39 HOURS £</b>		
<b>030 - NATURAL SCIENCE</b>	6 hours			EDLI 3343 Foundations of Beginning Literacy	3	£	
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				EDLI 4329 Literacy and Assessment	3	£	
* See major ≈ Science Lab requirement				EDLI 4350 Adolescent Literature	3	£	
	3			EDLI 4351 Content Area Literacy	3	£	
	3			EDLI 4367 Literacy and The English Language Learner	3	£	
				ENGL 3302 Literary Analysis	3	£	
<b>040 - HUMANITIES</b>	3 hours			ENGL 3312 American Literature Survey: I or			
	3			ENGL 3313 American Literature Survey II	3	£	
				ENGL 3319 Introduction to Descriptive Linguistics	3	£	
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			ENGL 3330 English Grammar	3	£	
	3			ENGL 4301 Shakespeare	3	£	
				ENGL 4325 Composition Techniques	3	£	
<b>060 - HISTORY</b>	6 hours			ENGL 4328 Introduction to English as a Second Language	3	£	
	3			ENGL 4350 English Studies: The Theory and Practice	3	£	
	3						
				<b>MATH</b>	<b>6 HOURS</b>		
<b>070 - GOVERNMENT</b>	6 hours			MATH 1350 Fundamental of Mathematics for Teachers I	3		
	3			MATH 1351 Fundamental of Mathematics for Teachers II	3		
	3						
				<b>SCIENCE</b>	<b>6 HOURS</b>		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			PSCI 4210 Physical Science for Teachers I	2		
	3			PSCI 4220 Physical Science for Teachers II	2		
				* Science Lab	1		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			* Science Lab	1		
KINE 11____ (One hour of activity/health/wellness/ fitness)	1						
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>124</b>		
<b>SPEECH</b>	3	‡		<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

‡ Grade of "B" or better is required for graduation.

£ 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.

The General Education Core courses listed are those recommended for this major.

Source: Academic Advising Center  
AG/AP/RP

Rev. 1-7-10

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

BS.MATH.4-8  
2009 – 2010

## Bachelor of Science

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

### Teacher Certification

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			EDUC 1301 Introduction to the Teaching Profession	3	†	
	3	†		EDUC 2301 Introduction to Special Populations	3	†	
	3	†					
				<b>PEDAGOGY AND PROFESSIONAL RESPONSIBILITY</b>	<b>21 HOURS £</b>		
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			EDUC 2303 Technology in Education	3	†£	
Six hours of modern language, other than English.				EDMG 4322 Human Development and Instruction	3	†£	
	3			EDMG 4324 Designing Inst. & Assess. To Promote Stud. Lrng.	3	†£	
	3			EDMG 4325 Implementing Responsive Instruction & Assessm.	3	†£	
				EDMG 4378 Teaching Mathematics in 4-8 classrooms	3	†£	
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			EDMG 4648 Student Teaching in the Middle Grade	6	†£	
	3	†					
				<b>MATHEMATICS *</b>	<b>38 HOURS</b>		
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			MATH 1342 Elementary Statistics	3		
Select two 4-hour science courses (3 hour lecture <u>must be taken with corresponding 1 hour lab</u> ).				MATH 1350 Fundamentals of Mathematics for Teachers I	3		
	3,1			MATH 1351 Fundamentals of Mathematics for Teachers II	3		
	3,1			MATH 2318 Linear Algebra I	3		
* See major ≈ Science Lab requirement				MATH 2332 Geometry I	3		
<b>040 - HUMANITIES</b>	<b>3 hours</b>			MATH 2413 Calculus I	4		
	3			MATH 2414 Calculus II	4		
				MATH 3310 Survey of Mathematics Concepts and Principles I	3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			MATH 3317 Survey of Mathematics Concepts and Principles II	3		
	3			MATH 3321 Algebra I	3		
				MATH 3332 Geometry II	3		
<b>060 - HISTORY</b>	<b>6 hours</b>			MATH 4361 Problem Solving for Teachers	3		
	3						
	3			<b>COMBINATION OF SUBJECTS</b>	<b>9 HOURS £</b>		
				EDLI 4351 Content Area Literacy	3	†£	
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			EDLI 4367 Literacy and the English Language Learner	3	£	
	3			SPED 4386 Modifications in Inclusive Settings	3	£	
	3						
				<b>SCIENCE</b>	<b>6 HOURS</b>		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>			PSCI 4210 Physical Science for Teachers I	2		
	3			PSCI 4220 Physical Science for Teachers II	2		
				* Science Lab	1		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>			* Science Lab	1		
KINE 11_____ (One hour of activity/health/wellness/fitness)	1						
<b>SPEECH</b>	3	‡		<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

‡ Grade of "B" or better is required for graduation.

£ 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.

The General Education Core courses listed are those recommended for this major.

\* Prior to graduation, a student must take Major Field Test in Mathematics.

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

BS.SCI.4-8  
2009 - 2010

## Bachelor of Science

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

### Teacher Certification

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			EDUC 1301 Introduction to the Teaching Profession	3	†	
	3	†		EDUC 2301 Introduction to Special Populations	3	†	
	3	†					
				<b>PEDAGOGY AND PROFESSIONAL RESPONSIBILITY</b>	<b>21 HOURS £</b>		
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			EDUC 2303 Technology in Education	3	†£	
Six hours of modern language, other than English.				EDMG 4322 Human Development and Instruction	3	†£	
	3			EDMG 4324 Designing Inst. & Assess. To Promote Stud. Lrng.	3	†£	
	3			EDMG 4325 Implementing Responsive Instruction & Assessment	3	†£	
				EDMG 4377 Teaching Science in 4-8 classrooms	3	†£	
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			EDMG 4648 Student Teaching in the Middle Grade	6	†£	
	3	†					
				<b>SCIENCE</b>	<b>11 HOURS</b>		
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			BIOL 3309 & BIOL 3109 Ecology & Lab	3,1		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				BIOL 3303 & BIOL 3103 Genetics & Lab	3,1		
BIOL1306/ BIOL 1106 General Biology I Lab I <i>required for major</i>	3,1			BIOL 4330 Integrative Biology for Middle School Teachers	3		
BIOL 1307/BIOL 1107 General Biology II Lab II <i>required for major</i>	3,1						
				<b>BIOLOGY ELECTIVES</b> Select <i>one</i> from the following:	<b>4 HOURS</b>		
<b>040 - HUMANITIES</b>	<b>3 hours</b>			BIOL 3308 & BIOL 3108 Plant Morphology & Lab			
	3			BIOL 3314 & BIOL 3114 Invertebrate Zoology & Lab			
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			<b>SUPPORT COURSES</b>	<b>18 HOURS</b>		
	3			CHEM 1311 & CHEM 1111 General Chemistry I & Lab I	3,1		
				CHEM 1312 & CHEM 1112 General Chemistry II & Lab II	3,1		
<b>060 - HISTORY</b>	<b>6 hours</b>			PHYS 1310 & PHYS 1110 Conceptual Physics & Lab	3,1		
	3			GEOL 1301 & GEOL 1101 Principles of Earth Sciences & Lab	3,1		
	3			PSCI 4210 Physical Science for Educators I	2		
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			<b>MATH</b>	<b>6 HOURS</b>		
	3			MATH 1350 Fundamentals of Mathematics for Teachers I	3		
	3			MATH 1351 Fundamentals of Mathematics for Teachers II	3		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCE</b>	<b>3 hours</b>			<b>SUPPORT</b>	<b>9 HOURS £</b>		
	3			EDLI 4351 Content Area Literacy	3	†£	
				EDLI 4367 Teaching Reading to the English Language Learner	3	£	
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>			SPED 4386 Modifications Inclusive Settings	3	£	
KINE 11__ (One hour of activity/health/wellness/ fitness)	1						
				<b>ELECTIVE</b> Recommended:	<b>1 HOUR</b>		
SPEECH	3	‡		COSC 1301 or other computer science course agreed by advisor			
				PSCI 4220 Physical Science for Educators II			
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>124</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

‡ Grade of "B" or better is required for graduation.

£ 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.

The General Education Core courses listed are those recommended for this major.

# ENGLISH / LANGUAGE ARTS / READING – 8<sup>th</sup> – 12<sup>th</sup> GRADE TEACHING

BA.ENGL.8-12  
2009 - 2010

## Bachelor of Arts

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF LIBERAL ARTS

**Teacher Certification**

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	6 hours			EDUC 1301 Introduction to the Teaching Profession	3	†	
	3		†	EDUC 2301 Introduction to Special Populations	3	†	
	3		†				
				<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	18 HOURS £		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			EDUC 2303 Technology in Education	3	†£	
Six hours of modern language, other than English.				EDSC 4322 Human Development and Instruction	3	†£	
	3			EDSC 4324 Designing Inst. & Assess to Promote Student Lrng.	3	†£	
	3			EDSC 4325 Implementing Responsive Instr. & Assessment	3	†£	
				EDSC 4641 Student Teaching , Secondary	6	†£	
<b>020 - MATHEMATICS</b>	3 hours						
	3		†	<b>READING / ENGLISH</b>	24 HOURS		
				ENGL 3302 Literary Analysis	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			ENGL 3319 Introduction to Descriptive Linguistics	3		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				ENGL 3330 English Grammar	3		
	3,1			ENGL 3331 History of the English Language	3		
	3,1			ENGL 4325 Composition Techniques	3		
				EDLI 4329 Literacy and Assessment	3	£	
<b>040 - HUMANITIES</b>	3 hours			ENGL 4350 English Studies: The Theory and Practice	3		
	3			EDLI 4367 Literacy and The English Language Learner	3	£	
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			<b>LITERATURE</b>	9 HOURS		
	3			ENGL 3309 Major British Authors	3		
				ENGL 3312 American Literature Survey I <i>or</i>			
<b>060 - HISTORY</b>	6 hours			ENGL 3313 American Literature Survey II	3		
	3			ENGL 4301 Shakespeare	3		
	3						
				<b>LITERATURE ELECTIVES</b>	9 HOURS		
<b>070 - GOVERNMENT</b>	6 hours			<b>(9 hrs must be advanced 30000, 4000 level)</b>			
	3			<b>Recommended: courses divided among British &amp; American Literature</b>			
	3			Advanced	3		
				Advanced	3		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			Advanced	3		
	3						
				<b>SUPPORT COURSES</b>	12 HOURS		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			EDLI 4350 Adolescent Literature	3	£	
KINE 11____ (One hour of activity/health/wellness/ fitness)	1			EDLI 4351 Content Area Literacy	3	†£	
				ENGL 4328 Introduction to English as a Second Language	3		
<b>SPEECH</b>	3		‡	SPED 4386 Modifications in Inclusive Settings	3	£	
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

‡ Grade of "B" or better is required for graduation.

£ 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.

The General Education Core courses listed are those recommended for this major.

# HISTORY – 8<sup>th</sup> – 12<sup>th</sup> GRADE TEACHING

BA.HIST.8-12  
2009-2010

## Bachelor of Arts

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF LIBERAL ARTS

**Teacher Certification**

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			PREREQUISITE FOR ADMISION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	6 hours			EDUC 1301 Introduction to the Teaching Profession	3	†	
	3	†		EDUC 2301 Introduction to Special Populations	3	†	
	3	†					
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	18 HOURS £		
Six hours of modern language, other than English.				EDUC 2303 Technology in Education	3	†£	
	3			EDSC 4322 Human Development and Instruction	3	†£	
	3			EDSC 4324 Designing Inst. & Assess to Promote Student Learning	3	†£	
				EDSC 4325 Implementing Responsive instruction & Assess	3	†£	
				EDSC 4641 Student Teaching, Secondary	6	†£	
<b>020 - MATHEMATICS</b>	3 hours			<b>CORE COURSES FOR THE MAJOR</b>	18 hours		
	3	†		HIST 2321 World History to 1650	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			HIST 2322 World History since 1650	3		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				HIST 2380 Mexican American History	3		
	3,1			HIST 3340 Texas History	3		
	3,1			HIST 4390 American History Senior Seminar	3		
				HIST 4392 World History Senior Seminar	3		
<b>040 - HUMANITIES</b>	3 hours			<b>AMERICAN HISTORY ELECTIVES</b>	6 hours		
	3			HIST 3313 American Colonial Era to 1783			
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			HIST 3324 Formative Period of American Nation 1783-1840			
	3			HIST 4303 Emergency of Modern America 1877-1917			
				HIST 4313 Twentieth Century American. 1917 to present			
<b>060 - HISTORY</b>	6 hours			HIST 4320 Advanced Topics in American History			
	3			HIST 4338 American Intellectual and Social History			
	3			HIST 4343 Era of Sectional Conflict, 1840-1877			
				HIST 4344 United States Diplomatic History			
<b>070 - GOVERNMENT</b>	6 hours			HIST 4345 North American Economic History			
	3			HIST 4380 History of World War I and II			
	3			HIST 4381 U. S. Military History			
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			<b>EUROPEAN AND WORLD HISTORY ELECTIVES</b>	6 hours		
PSYC 2301 Introduction to Psychology <i>required for major</i>	3			HIST 4360 Advanced Topics in European /World History			
				HIST 4365 History of the Middle Ages			
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			HIST 4367 History of Early Modern Europe			
KINE 11 (One hour of activity/health/wellness/ fitness)	1			HIST 4369 Nineteenth Century Europe			
				HIST 4371 History of the Islamic World			
SPEECH	3	‡		HIST 4372 History of Russia			
				HIST 4374 History of Asia			
				HIST 4379 Modern Europe: 1914-Present			
				HIST 4380 History of World War I and II			
				HIST 4385 Ancient History			
				<b>LATIN AMERICAN HISTORY ELECTIVES</b>	6 hours		
				HIST 3334 Mexico and the Borderlands through Independence			
				HIST 3335 Mexico since Independence			
				HIST 4350 Advanced Topics in Latin American History			
				HIST 4357 History of Modern Latin America			
				<b>GOVERNMENT ELECTIVES</b>	6 hours		
				GOVT Advanced	3		
				GOVT Advanced	3		
				<b>ELECTIVES</b>	6 hours		
† Grade of "C" or better is required for graduation.				Upper Level Electives in GEOG or INDS or	3		
‡ Grade of "B" or better is required for graduation.				ECON 2301 or ECON 2302	3		
£ Maintain a minimum of 2.50 GPA with no grade lower than a C							
Student must meet all Program Admission Requirements/Student Teaching Rqmts.				<b>COMBINATION OF SUBJECTS</b>	6 HOURS £		
Contact School of Education for further information.				EDLI 4351 Content Area Literacy	3	†£	
				SPED 4386 Modifications in Inclusive Settings	3	£	
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	126		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	36		

The General Education Core courses listed are those recommended for this major.

Bachelor of Arts

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF LIBERAL ARTS

Teacher Certification

Student Name \_\_\_\_\_ ID # \_\_\_\_\_ Date \_\_\_\_\_  
 E-mail \_\_\_\_\_ Signature \_\_\_\_\_  
 Academic or Faculty Advisor \_\_\_\_\_ Date \_\_\_\_\_

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			PREREQUISITE FOR ADMISSION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	6 hours			EDUC 1301 Introduction to the Teaching Population	3	†	
	3	†		EDUC 2301 Introduction to Special Populations	3	†	
	3	†					
				<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	<b>18 HOURS £</b>		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			EDUC 2303 Technology in Education	3	†£	
Six hours of modern language, other than English.				EDSC 4322 Human Development and Instruction	3	†£	
	3			EDSC 4324 Designing Inst. & Assess to Promote Student Learning	3	†£	
	3			EDSC 4325 Implementing Responsive Instruction& Assessment	3	†£	
				EDSC 4641 Student Teaching Secondary	6	†£	
<b>020 - MATHEMATICS</b>	3 hours						
	3	†					
				<b>CORE COURSES FOR THE MAJOR</b>	<b>18 hours</b>		
<b>030 - NATURAL SCIENCE</b>	8 hours			HIST 2321 World History to 1650	3		
GEOL 1301 & GEOL 1101 Principles of Earth Sciences & Lab <i>required</i>	3			HIST 2322 World History since 1650	3		
GEOL 1303 & GEOL 1103 Physical Geology & Lab <i>required for major</i>	3			HIST 2380 Mexican American History	3		
				HIST 3340 Texas History	3		
				HIST 4390 American History Senior Seminar	3		
<b>040 - HUMANITIES REQUIREMENT</b>	3 hours			HIST 4392 World History Senior Seminar	3		
	3						
				<b>AMERICAN HISTORY ELECTIVES</b>	<b>3-6 hours</b>		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			HIST 3313 American Colonial Era to 1783			
	3			HIST 3324 Formative Period of American Nation 1783-1840			
				HIST 4303 Emergence of Modern America, 1877-1917			
				HIST 4313 Twentieth Century America, 1917 to present			
<b>060 - HISTORY</b>	6 hours			HIST 4320 Advanced Topics in American History			
	3			HIST 4338 American Intellectual and Social History			
	3			HIST 4343 Era of the Sectional Conflict, 1840-1877			
				HIST 4344 United States Diplomatic History			
<b>070 - GOVERNMENT</b>	6 hours			HIST 4345 North American Economic History			
	3			HIST 4380 History of World War I and II			
	3			HIST 4381 U. S. Military History			
<b>080 - SOCIAL AND BEHAVIORAL SCIENCE</b>	3 hours			<b>EUROPEAN AND WORLD HISTORY ELECTIVES</b>	<b>3-6 hours</b>		
GEOG 1303 General World Geography <i>required for major</i>	3			HIST 4360 Advanced Topics in European/World History			
				HIST 4365 History of the Middle Ages			
				HIST 4367 History of Early Modern Europe			
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			HIST 4369 Nineteenth Century Europe			
KINE 11____ (One hour of activity/health/wellness/ fitness)	1			HIST 4371 History of the Islamic World			
				HIST 4372 History of Russia			
<b>SPEECH</b>	3	‡		HIST 4374 History of Asia			
				HIST 4379 Modern Europe: 1914-Present			
				HIST 4380 History of World War I and II			
				HIST 4385 Ancient History			
				<b>LATIN AMERICAN HISTORY ELECTIVES</b>	<b>3-6 hours</b>		
				HIST 3334 Mexico and the Borderlands through Independence			
				HIST 3335 Mexico Since Independence			
				HIST 4350 Advanced Topics in Latin American History			
				HIST 4357 History of Modern Latin America			
				<b>GOVERNMENT ELECTIVES</b>	<b>12 HOURS</b>		
				GOVT 3373 Contemporary Texas	3		
				GOVT _____ Advanced *	3		
				GOVT _____ Advanced *	3		
				GOVT _____ Advanced *	3		
† Grade of "C" or better is required for graduation.							
‡ Grade of "B" or better is required for graduation.							
£ Maintain a minimum of 2.50 GPA with a grade no lower than a C							
Student must meet all Program Admission Requirements/ Student Teaching Rqmts. Contact School of Education for further information.				<b>ECONOMICS REQUIREMENT</b>	<b>6 HOURS</b>		
				ECON 2301 Macroeconomics	3		
				ECON 2302 Microeconomics	3		
				<b>GEOGRAPHY ELECTIVES</b>	<b>3 HOURS</b>		
*Choose at least one Upper Level course from each group:				GEOG 3320 Cultural Geography for Educators <i>or</i>			
Group 1: GOVT 3322, 3343, 4369, 4370, 4371				GEOG 3333 Latin-American Geography	3		
Group 2: GOVT 4320, 4321, 4360, 4363, 4366, 4367, 4368, 4374							
				<b>COMBINATION OF SUBJECTS</b>	<b>3 HOURS £</b>		
				EDLI 4351 Content Area Literacy	3	†£	
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

The General Education Core courses listed are those recommended for this major.



# MATHEMATICS – 8<sup>TH</sup> – 12<sup>TH</sup> GRADE TEACHING

BS.MATH.8-12  
2009 – 2010

## Bachelor of Science

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

**Teacher Certification**

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS**	51 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	6 hours			<b>PEDAGOGY AND PROFESSIONAL RESPONSIBILITY</b>	18 HOURS £		
	3	†		EDSC 4322 Human Development and Instruction	3	†£	
	3	†		EDSC 4324 Designing Inst. & Assess. To Promote Stud. Lrng.	3	†£	
				EDSC 4325 Implementing Responsive Instruction & Assess.	3	†£	
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			EDSC 4378 Teaching Mathematics in 8-12 Classroom	3	†£	
Six hours of modern language, other than English.				EDSC 4641 Student Teaching, Secondary	6	†£	
	3						
	3			<b>CORE COURSES FOR THE MAJOR</b>	36 hours		
				MATH 2305 Discrete Mathematics	3		
<b>020 - MATHEMATICS</b>	3 hours			MATH 2318 Linear Algebra	3		
MATH 2413 Calculus I <i>required for major</i>	3*	†		MATHU 2332 Geometry I	3		
				MATH 2413 Calculus I	1*	†	
<b>030 - NATURAL SCIENCE</b>	8 hours			MATH 2414 Calculus II	4		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				MATH 2415 Calculus III	4		
	3,1			MATH 3321 Algebra I	3		
	3,1			MATH 3339 Topology	3		
				MATH 3341 Real Analysis	3		
<b>040 - HUMANITIES</b>	3 hours			MATH 3349 Differential Equations	3		
	3			MATH 3381 Statistics	3		
				MATH 4342 Complex Analysis	3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			<b>TEACHING CONCENTRATIOIN</b>	9 hours		
	3			MATH 3310 Survey Math Concept & Principles I	3		
<b>060 - HISTORY</b>	6 hours			MATH 4329 Number Theory	3		
	3			MATH 4361 Problem Solving for Teachers	3		
	3						
				<b>MATH ELECTIVES</b>	6 hours		
<b>070 - GOVERNMENT</b>	6 hours			(6 hours must be advanced 3000, 4000 level)			
	3			MATH	Advanced	3	
	3			MATH	Advanced	3	
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			<b>SUPPORT COURSES</b>	6 HOURS		
	3			COSC 1336 Programming Fundamentals I	3		
				MATH 3366 Computer Algebra Systems	3		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			<b>LITERACY</b>	3 HOURS £		
KINE 11_____ (One hour of activity/health/wellness/fitness)	1			EDLI 4351 Content Area Literacy	3	†£	
SPEECH	3	‡					
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

‡ Grade of "B" or better is required for graduation.

\* MATH 2413 – 3 sch for general education and 1 sch toward Major requirements. Pre-requisite for Calculus is MATH 2412-Pre-Calculus Mathematics or Departmental Placement Test.

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

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

The General Education Core courses listed are those recommended for this major.

\*\* Prior to graduation a student must take Major Field Test in Mathematics.

# BIOLOGY – 8<sup>TH</sup> – 12<sup>TH</sup> GRADE TEACHING

BS.BIOL.8-12  
2009-2010

## Bachelor of Science

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

**Science 8-12 Certification**

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	40 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	<b>18 HOURS £</b>		
	3	†		EDSC 4322 Human Development and Instruction	3	†£	
	3	†		EDSC 4324 Designing Inst. & Assess to Promote Student Lrng.	3	†£	
				EDSC 4325 Implementing Responsive Instruction & Assessm.	3	†£	
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			EDSC 4379 Teaching Science in 8-12 Classrooms	3	†£	
Six hours of modern language, other than English.				EDSC 4641 Student Teaching, Secondary	6	†£	
	3						
	3			<b>CORE COURSES FOR THE MAJOR</b>	<b>28 hours</b>		
				BIOL 1306 General Biology I	3		
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			BIOL 1106 General Biology Laboratory I	1		
MATH 2413 Calculus I	3*	†		BIOL 1307 General Biology II	3		
				BIOL 1107 General Biology Laboratory II	1		
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			BIOL 2343 General Biology III	3		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				BIOL 2143 General Biology Laboratory III	1		
CHEM 1311 /1111 General Chemistry I & Lab I <i>required</i>	3,1			BIOL 3303 Genetics	3		
CHEM 1312 /1112 General Chemistry II & Lab II <i>required</i>	3,1			BIOL 3103 Genetics Laboratory	1		
				BIOL 3309 Ecology	3		
<b>040 - HUMANITIES</b>	<b>3 hours</b>			BIOL 3109 Ecology Laboratory	1		
	3			BIOL 3312 Cell and Molecular Biology	3		
				BIOL 3112 Cell and Molecular Biology Laboratory	1		
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			BIOL 4100 Biology Seminar	1		
	3			BIOL 4301 Evolution	3		
<b>060 - HISTORY</b>	<b>6 hours</b>			<b>BIOLOGY ELECTIVES</b>	<b>12 hours</b>		
	3			(6 hours must be advanced 3000, 4000 level)			
	3			BIOL _____ Advanced			
				BIOL _____ Advanced			
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			BIOL _____			
	3			BIOL _____			
	3						
				<b>SUPPORT COURSES</b>	<b>17 HOURS</b>		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>			CHEM 2323 & CHEM 2123 Organic Chemistry I & Lab I	3, 1		
	3			CHEM 2325 & CHEM 2125 Organic Chemistry II & Lab II	3, 1		
				MATH 2413 Calculus I	1*	†	
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>			PHYS 1301 & PHYS 1101 General Physics I & Lab I	3, 1		
KINE 11____ (One hour of activity/health/wellness/ fitness)	1			PHYS 1302 & PHYS 1102 General Physics II & Lab II <b>or</b>			
				GEOL 1303 & GEOL 1103 Physical Geology & Lab <b>or</b>			
SPEECH _____	3	‡		GEOL 1304 & GEOL 1104 Historical Geology & Lab <b>or</b>			
				ENVR 1301 & ENVR 1101 Intro. to Env. Science & Lab <b>or</b>			
				GEOL/GEOG 4440 Geographic Information Systems			
				<b>LITERACY</b>	<b>3 HOURS £</b>		
				EDLI 4351 Content Area Literacy	3	†£	
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

‡ Grade of "B" or better is required for graduation.

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

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

The General Education Core courses listed are those recommended for this major.

# CHEMISTRY– 8<sup>TH</sup> – 12<sup>TH</sup> GRADE TEACHING

BS.CHEM.8-12  
2009 – 2010

## Bachelor of Science

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

**Science 8-12 Certification**

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	35 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	6 hours			<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	18 HOURS £		
	3	†		EDSC 4322 Human Development and Instruction	3	†£	
	3	†		EDSC 4324 Designing Inst. & Assess to Promote Student Lrng.	3	†£	
				EDSC 4325 Implementing Responsive Instruction & Assessm.	3	†£	
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			EDSC 4379 Teaching Science in 8-12 Classroom	3	†£	
Six hours of modern language, other than English.				EDSC 4641 Student Teaching, Secondary	6	†£	
	3						
	3			<b>CORE COURSES FOR THE MAJOR</b>	<b>35 HOURS</b>		
<b>020 - MATHEMATICS</b>	3 hours			CHEM 2323 Organic Chemistry I	3		
MATH 2413 Calculus I <i>required for major</i>	3*	†		CHEM 2123 Organic Chemistry Laboratory I	1		
				CHEM 2325 Organic Chemistry II	3		
<b>030 - NATURAL SCIENCE</b>	8 hours			CHEM 2125 Organic Chemistry Laboratory II	1		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				CHEM 3301 Inorganic Chemistry	3		
CHEM 1311/1111 General Chemistry I & Lab I <i>required for major</i>	3,1			CHEM 3303 Biochemistry I	3		
CHEM 1312/1112 General Chemistry II & Lab II <i>required for major</i>	3,1			CHEM 3103 Biochemistry Laboratory I	1		
<b>040 - HUMANITIES</b>	3 hours			CHEM 3305 Analytical Chemistry	3		
	3			CHEM 3105 Analytical Chemistry Laboratory	1		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			CHEM 3310 Physical Chemistry I	3		
	3			CHEM 3110 Physical Chemistry Laboratory I	1		
<b>060 - HISTORY</b>	6 hours			CHEM 3312 Physical Chemistry II	3		
	3			CHEM 3112 Physical Chemistry Laboratory II	1		
	3			CHEM 4110 Chemistry Seminar	1		
<b>070 - GOVERNMENT</b>	6 hours			CHEM 4305 Instrumental Methods of Analysis	3		
	3			CHEM 4105 Instrumental Methods of Analysis Laboratory	1		
	3			CHEM 4320 Chemistry Problems	3		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			<b>CHEMISTRY ELECTIVES</b>	<b>2 - 3 HOURS</b>		
	3			<b>(Must be advanced 3000, 4000 level) – 2 hrs if MATH 2415 or 3 hrs if MATH 3349</b>			
	3			CHEM _____	Advanced		
				CHEM _____	Advanced		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			<b>SUPPORT COURSES</b>	<b>19 – 20 HOURS</b>		
KINE 11____ (One hour of activity/health/wellness/ fitness)	1			PHYS 1301 General Physics I	3		
<b>SPEECH</b>	3	‡		PHYS 1101 General Physics Laboratory I	1		
				PHYS 1302 General Physics II	3		
				PHYS 1102 General Physics Laboratory II	1		
				MATH 2413 Calculus I	1*	†	
				MATH 2414 Calculus II	4		
				MATH 3349 Differential Equations or MATH 2415 Calculus III	3 - 4		
				COSC 1301 Microcomputer Applications	3		
				<b>LITERACY</b>	<b>3 HOURS £</b>		
				EDLI 4351 Content Area Literacy	3	†£	
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

‡ Grade of "B" or better is required for graduation.

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

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

The General Education Core courses listed are those recommended for this major.

# ENVIRONMENTAL SCIENCES – 8<sup>TH</sup> – 12<sup>TH</sup> GRADE TEACHING

BS.ENVR.8-12  
2009 – 2010

## Bachelor of Science

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

**Science 8-12 Certification**

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	29 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	<b>18 HOURS £</b>		
	3	†		EDSC 4322 Human Development and Instruction	3	†£	
	3	†		EDSC 4324 Designing Inst. & Assess to Promote Student Lrng	3	†£	
				EDSC 4325 Implementing Responsive Instruction & Assessm.	3	†£	
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			EDSC 4379 Teaching Science in 8-12 Classroom	3	†£	
Six hours of modern language, other than English.				EDSC 4641 Student Teaching Secondary	6	†£	
	3						
	3			<b>CORE COURSES FOR THE MAJOR</b>	<b>24 hours</b>		
				BIOL 3309 Ecology	3		
<b>020 - MATHEMATICS**</b>	<b>3 hours</b>			BIOL 3109 Ecology Laboratory	1		
MATH 2413 Calculus I <i>required for major</i>	3*			ENVR 1302 Introduction to Environmental Science II	3		
				ENVR 1102 Introduction to Environmental Sciences Lab II	1		
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			ESCI 3305 Oceanography	3		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				ESCI 3105 Oceanography Laboratory	1		
PHYS 1301 /1101 General Physics I & Lab I <i>required for major</i>	3,1			ESCI 3334 Conservation of Natural Resources	3		
PHYS 1302 /1102 General Physics II & Lab II <i>required for major</i>	3,1			ESCI 4301 Environmental Regulations	3		
				ESCI 4325 Environmental Sciences Internship	3		
<b>040 - HUMANITIES</b>	<b>3 hours</b>			ESCI 4399 Research Problems in Environmental Sciences	3		
	3						
				<b>RESTRICTED ENVIRONMENTAL SCIENCES ELECTIVES</b>	<b>5 hours</b>		
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			Choose from Concentration listed on reverse:			
	3			BIOLOGY, GEOSCIENCES, CHEMISTRY or INTERDISCIPLINARY			
				<b>(6 hours must be advanced 3000, 4000 level)</b>			
<b>060 - HISTORY</b>	<b>6 hours</b>				Advanced		
	3				Advanced		
	3						
				<b>SUPPORT COURSES</b>	<b>28 HOURS</b>		
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			ENVR 1301 Intro. to Environmental Sciences I	3		
	3			ENVR 1101 Intro. to Environmental Sciences Laboratory I	1		
	3			BIOL 1306 General Biology I	3		
				BIOL 1106 General Biology Laboratory	1		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>			BIOL 1307 General Biology II	3		
GEOG 1303 General World Geography <i>required for major</i>	3			BIOL 1107 General Biology II Laboratory	1		
				GEOG 1303 Physical Geology	3		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>			GEOG 1103 Physical Geology Laboratory	1		
KINE 11____ (One hour of activity/health/wellness/ fitness)	1			GEOG 1304 Historical Geology	3		
				GEOG 1104 Historical Geology Laboratory	1		
SPEECH	3	‡		CHEM 1311 General Chemistry I	3		
				CHEM 1111 General Chemistry I Laboratory	1		
				MATH 1342 Elementary Statistics	3		
				MATH 2413 Calculus	1*	†	
				<b>LITERACY</b>	<b>3 HOURS £</b>		
				EDLI 4351 Content Area Literacy	3	†£	
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

\*\* Minimum grade of "C" for course used to satisfy General Education Core

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

‡ Grade of "B" or better is required for graduation.

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

The General Education Core courses listed are those recommended for this major.

Source: Academic Advising Center  
AG/AP/RP

Rev. 9-23-09

**Restricted Environmental Sciences Electives**  
**Choose 5 hours from one of the following concentrations:**

**BIOLOGY**

Concentration:

BIOL 3303	Genetics	3
BIOL 3103	Genetics Lab	1
BIOL 3314	Invertebrate Zoology	3
BIOL 3114	Invertebrate Zoology Lab	1
BIOL 4302	Marine Zoology	3
BIOL 4102	Marine Zoology Lab	1
BIOL 4314	Plant Taxonomy	3
BIOL 4114	Plant Taxonomy Lab	1
BIOL 4309	Herpetology	3
BIOL 4109	Herpetology Lab	1
BIOL 4327	Coastal Ecology	3
BIOL 4127	Coastal Ecology Lab	1
BIOL 4370	Topics in Biology	3
BIOL 4170	Lab Topics in Biology	1
BIOL 4422	Conservation Biology	4

**CHEMISTRY**

Concentration:

\*\* Choosing upper-level Chemistry courses will add additional semester credit hours to the total hours required for this degree because of pre-requisites.

CHEM 3303	Biochemistry I	3
CHEM 3103	Biochemistry I Lab	1
CHEM 3305	Analytical Chemistry	3
CHEM 3105	Analytical Chemistry Lab	1
CHEM 3310	Physical Chemistry I	3
CHEM 3110	Physical Chemistry I Lab	1
CHEM 3312	Physical Chemistry II	3
CHEM 3112	Physical Chemistry II Lab	1
CHEM 4305	Instrumental Methods of Analysis	3
CHEM 4105	Instrumental Methods of Analysis Lab	1
CHEM 4306	Environmental Chemistry	3

**GEOSCIENCES**

Concentration:

GEOL 3436	Hydrology and Water Resources	4
GEOL 4335	Geomorphology	3
GEOL 4411	Sedimentation and Stratigraphy	4
GEOL 4431	Coastal Geology	4
GEOL 4440	Geographic Information Systems	4
GEOL 4441	Principles of Remote Sensing	4
GEOL 4350	Geosciences Field Excursion	3
GEOG 3333	Latin American Geography	3
ESCI 3351	Environmental Sciences Field Methods and Data Analysis	3
ESCI 4370	Topics in Environmental Sciences	3
ESCI 4170	Topics in Environmental Sciences Laboratory	1

**INTERDISCIPLINARY**

Concentration:

Any combination of 5 hours from the 3 concentrations listed above.

# PHYSICS – 8<sup>TH</sup> – 12<sup>TH</sup> GRADE TEACHING

BS.PHYS.8-12  
2009 – 2010

## Bachelor of Science

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

**Science 8-12 Certification**

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	34 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	<b>18 HOURS £</b>		
	3	†		EDSC 4322 Human Development and Instruction	3	†£	
	3	†		EDSC 4324 Designing Inst. & Assess to Promote Student Lrng	3	†£	
				EDSC 4325 Implementing Responsive Instruction & Assessm.	3	†£	
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			EDSC 4379 Teaching Science in 8-12 Classroom	3	†£	
Six hours of modern language, other than English.				EDSC 4641 Student Teaching Secondary	6	†£	
	3						
	3			<b>CORE COURSES FOR THE MAJOR</b>	<b>29 hours</b>		
				PHYS 3400 Modern Physics	4		
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			PHYS 3201 Advanced Physics Lab I	2		
MATH 2413 Calculus I <i>required for major</i>	3*	†		PHYS 3310 Classical Mechanics	3		
				PHYS 3320 Thermodynamics	3		
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			PHYS 3490 Mathematics for Scientists and Engineers I	4		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				PHYS 3492 Mathematics for Scientists and Engineers II	4		
PHYS 2325/2125 University Physics I & Lab I <i>required for major</i>	3,1			PHYS 4300 Undergraduate Research	3		
PHYS 2326/2126 University Physics II & Lab II <i>required</i>	3,1			PHYS 4320 Quantum Mechanics	3		
				PHYS 4330 Electromagnetic Theory	3		
<b>040 - HUMANITIES</b>	<b>3 hours</b>			<b>PHYSICS ELECTIVES</b>	<b>5 hours</b>		
	3			(5 hours must be advanced 3000, 4000 level)			
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			PHYS	Advanced		
	3			PHYS	Advanced		
<b>060 - HISTORY</b>	<b>6 hours</b>			<b>SUPPORT COURSES</b>	<b>23 HOURS</b>		
	3			MATH 2413 Calculus I	1*	†	
	3			MATH 2414 Calculus II	4		
				MATH 2415 Calculus III	4		
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			MATH 3349 Differential Equations	3		
	3			CHEM 1311 General Chemistry I	3		
	3			CHEM 1111 General Chemistry I Laboratory	1		
				CHEM 1312 General Chemistry II	3		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>			CHEM 1112 General Chemistry II Laboratory	1		
	3			COSC 1336 Programming Fundamentals I	3		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>			<b>LITERACY</b>	<b>3 HOURS £</b>		
KINE 11_____ (One hour of activity/health/wellness/fitness)	1			EDLI 4351 Content Area Literacy	3	†£	
<b>SPEECH</b>	3	‡		<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

‡ Grade of "B" or better is required for graduation.

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

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

The General Education Core courses listed are those recommended for this major.

Source: Academic Advising Center  
AG/AP/RP

Rev. 5-15-09

# ART – EC - 12<sup>th</sup> GRADE TEACHING

BA.ARTS.EC-12  
2009 – 2010

## Bachelor of Arts

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF LIBERAL ARTS

**Teacher Certification**

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			MAJOR REQUIREMENTS	21 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	6 hours			ARTS 1303 Art History Survey I - See General Education Core	*		
	3	†		ARTS 1304 Art History Survey II	3		
	3	†		ARTS 1311 Two Dimensional Design	3		
				ARTS 1312 Three Dimensional Art	3		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			ARTS 1316 Drawing I	3		
Six hours of modern language, other than English.				ARTS 3381 Art Ed. Theory and Background*	3		
	3			ARTS 3383 Art Ed. Issues and Practices*	3		
	3			ARTS 3384 Art Ed. Classroom Strategies*	3		
				ARTS 4301 Senior Experience	3		
<b>020 - MATHEMATICS</b>	3 hours			<b>ELECTIVES FROM THE FOLLOWING</b>	9 HOURS		
	3	†		ARTS 2313 Computer Imaging I			
				ARTS 2316 Painting I			
<b>030 - NATURAL SCIENCE</b>	8 hours			ARTS 2333 Printmaking I			
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				ARTS 2356 Photography I			
	3,1			ARTS 2326 Sculpture I			
	3,1			ARTS 2346 Ceramics I			
<b>040 - HUMANITIES</b>	3 hours			<b>ELECTIVES FROM THE FOLLOWING</b>	9 HOURS		
	3			ARTS 1317 Drawing II			
				ARTS 2314 Computer Imaging II			
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			ARTS 2317 Painting II			
ARTS 1303 Art History Survey I <i>required for major</i>	3			ARTS 2334 Printmaking II			
				ARTS 2357 Photography II			
<b>060 - HISTORY</b>	6 hours			ARTS 2327 Sculpture II			
	3			ARTS 2347 Ceramics II			
	3						
				<b>ELECTIVES FROM THE FOLLOWING</b>	3 HOURS		
<b>070 - GOVERNMENT</b>	6 hours			ARTS 3303 Italian Renaissance Art (1400–1650)			
	3			ARTS 3338 Creative & Critical Thinking in Art			
	3			ARTS 3340 History of Women in Art			
				ARTS 3352 Contemporary Art			
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			ARTS 3382 19 <sup>th</sup> Century European Art (1789–1900)			
	3			ARTS 4353 American Art			
				ARTS 4354 Latin American Art & Architecture			
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours			ARTS 4355 Spanish Medieval, Renaissance & Baroque Art			
KINE 11__ (One hour of activity/health/wellness/ fitness)	1			ARTS 4387 Far Eastern Art History			
				ARTS 4390 Topics in Art History			
<b>SPEECH</b>	3	‡					
				<b>ELECTIVES FROM THE FOLLOWING</b>	9 HOURS		
				ARTS 3314 <sup>A</sup> Individual Problems			
				ARTS 3321 <sup>A</sup> Advanced Painting			
				ARTS 3323 <sup>A</sup> Advanced Drawing			
<b>PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION</b>	6 HOURS			ARTS 3326 <sup>A</sup> Advanced Sculpture			
EDUC 1301 Introduction to the Teaching Profession	3	†		ARTS 3371 <sup>A</sup> Advanced Ceramics			
EDUC 2301 Introduction to Special Population	3	†		ARTS 4331 <sup>A</sup> Advanced Computer Imaging			
				ARTS 4334 <sup>A</sup> Advanced Printmaking			
<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	18 HOURS £			ARTS 4359 <sup>A</sup> Advanced Photography			
EDUC 2303 Technology in Education	3	†£		ARTS 4391 <sup>A</sup> Studio Art General			
EDSC 4322 Human Development and Instruction <b>or</b>	3	†£		ARTS 4337 <sup>A</sup> Internship in Art Studio			
EDCI 4322				<sup>A</sup> may be repeated four times for credit			
EDSC 4324 Designing Inst. & Assess to Promote Student Lrng.	3	†£					
EDCI 4325 Implementing Responsive Instruction & Assessment	3	†£		<b>ADDITIONAL REQUIREMENTS</b>	3 HOURS £		
EDCI 4311 Student Teaching EC-4 <sup>h</sup>	3	†£		EDLI 4351 Content Area Literacy	3	†£	
EDSC 4398 Student Teaching All Level	3	†£		<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

‡ Grade of "B" or better is required for graduation.

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

\* Before registration see Art Ed. Advisor.

**COMPUTER INFORMATION SYSTEMS TECHNOLOGY  
(Early Childhood – 12<sup>th</sup> Grade)**

BAT.CIS.EC-12  
2009 - 2010

**Bachelor of Applied Technology (B.A.T)**

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF APPLIED TECHNOLOGY AND GENERAL STUDIES

Teacher Certification

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			AAS DEGREE OR EQUIVALENT	36 HOURS			
	HRS	GR	SEM	Degree in Major approved by CIS department at least 30 SCH in computer related courses:				
010 - COMMUNICATION	6 hours			Institution:				
	3	†		Date:				
	3	†						
011 - ADDITIONAL COMMUNICATION	6 hours							
Six hours of modern language, other than English.				COMPUTER INFORMATION SYSTEMS TECHNOLOGY CORE		9 HOURS		
	3			COSC 1336 Programming Fundamentals I		3		
	3			COSC 1337 Programming Fundamentals II		3		
				CIST 3310 Foundations of Information Technology		3		
020 - MATHEMATICS	3 hours							
MATH 1314 College Algebra <i>required for major or</i>	3	†		CIST EDUCATION REQUIREMENT		3 HOURS		
Any higher level Math course <i>required for major</i>	3	†		CIST 3340 Concepts and Methods of Education Technology		3		
030 - NATURAL SCIENCE	8 hours			CIST ELECTIVES		9 HOURS		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				(9 hrs must be advanced 3000, 4000 level)				
	3,1					3		
	3,1					3		
						3		
040 - HUMANITIES	3 hours			PEDAGOGY AND PROFESSIONAL RESPONSIBILITIES		18 HOURS £		
	3			EDUC 2303 Technology in Education		3	†£	
050 - VISUAL AND PERFORMING ARTS	3 hours			EDCI 4322 Human Development and Instruction <i>or</i>		3	†£	
	3			EDSC 4322 Human Development and Instruction		3	†£	
				EDCI 4324 Designing Instr. & Assmt. To Promote Stud. Lrng.		3	†£	
060 - HISTORY	6 hours			EDSC 4325 Imp. Responsive Instruction & Assessment		3	†£	
	3			EDCI 4311 Student Teaching EC-4		3	†£	
	3			EDSC 4398 Student Teaching 8-12		3	†£	
070 - GOVERNMENT	6 hours			ADDITIONAL REQUIREMENTS		3 HOURS £		
	3			EDLI 4351 Content Area Literacy		3	†£	
	3							
080 - SOCIAL AND BEHAVIORAL SCIENCES	3 hours							
	3							
090 - INSTITUTIONAL REQUIREMENTS	4 hours							
KINE 11__ (One hour of activity/health/wellness/ fitness)	1			TOTAL CREDIT HOURS FOR GRADUATION		126		
SPCH 1315 Applied Communication <i>strongly recommended</i>	3	‡		TOTAL ADVANCED HOURS (minimum)		33		

£ Maintain a minimum 2.50 GPA with no grade lower than a C. Student must meet all Program Admission Requirements/Student Teaching Requirements. Contact College of Education for further information.

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

‡ Grade of "B" or better is required for graduation.

The General Education Core courses listed are those recommended for this major.



# HEALTH SERVICES TECHNOLOGY – TEACHING

BAT.HST.TEACH  
2009 – 2010

## Bachelor of Applied Technology (B.A.T.)

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF APPLIED TECHNOLOGY AND GENERAL STUDIES

Teacher Certification

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			*AS/AAS DEGREE IN A HEALTH RELATED FIELD OR EQUIVALENT	30 HOURS				
	HRS	GR	SEM	Degree Major:					
<b>010 - COMMUNICATION</b>	6 hours			Institution:					
	3	†		Date:					
	3	†							
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours								
Six hours of modern language, other than English.				HEALTH SERVICES TECHNOLOGY TRACK Choose from the following:			<b>21 HOURS</b>		
	3			HPRS 3301	The Evolving Health Care System				
	3			HPRS 3302	Ethics & Law for Health Care Specialists				
				HPRS 3309	Leading and Managing the Health Care Team				
<b>020 - MATHEMATICS</b>	3 hours			HPRS 3313	Health Throughout the Lifespan				
	3	†		HPRS 3316	Nutritional Concepts for Health Professionals				
				HPRS 4300	Pharmacology				
<b>030 - NATURAL SCIENCE</b>	8 hours			HPRS 4301	Introduction to Health Data Utilization				
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab)				HPRS 4302	Continuous Quality Improvement				
BIOL 2301 /2101 Anatomy and Physiology I & Lab I <i>required</i>	3,1			HPRS 4309	Research in Evidenced-based Healthcare				
BIOL 2302 /2102 Anatomy and Physiology II & Lab II <i>required</i>	3,1			HPRS 4312	Applied Pathophysiology				
				HPRS 4316	Applied Medical Microbiology				
<b>040 - HUMANITIES</b>	3 hours			HPRS 3320	Patient Education in Health Science				
	3			HPRS 3324	Teaching in the Health Sciences				
				HPRS 4330	Independent Study				
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			HPRS 4334	Issues and Trends in Health Care				
	3			HPRS 4360	Practicum in Health Sciences				
<b>060 - HISTORY</b>	6 hours			STANDARD HEALTH SERVICES TECHNOLOGY TEACHER CERTIFICATE			<b>21 HOURS £</b>		
	3			PEDAGOGY AND PROFESSIONAL RESPONSIBILITY					
	3			EDUC 2301	Introduction to Special Populations		3	†£	
				EDUC 2303	Technology in Education *		3	†£	
<b>070 - GOVERNMENT</b>	6 hours			EDSC 4322	Human Development and Instruction		3	†£	
	3			EDSC 4324	Designing Instr. & Assessment to Prom Student Lmg.		3	†£	
	3			EDSC 4325	Implementing Responsive Instruction & Assessment		3	†£	
				EDSC 4641	Student Teaching Secondary		6	†£	
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			ADDITIONAL REQUIREMENTS			<b>6 HOURS</b>		
SOCI 1301 Introduction to Sociology <i>required for major or</i>				EDLI 4351	Content Area Literacy		3	†£	
PSYC 2301 Introduction to Psychology <i>required for major</i>				SPED 4386	Modifications in Inclusive Setting		3		
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours								
KINE 11____ (One hour of activity/health/wellness/ fitness)	1			TOTAL CREDIT HOURS FOR GRADUATION					<b>126</b>
SPEECH	3	‡		TOTAL ADVANCED HOURS (minimum)					<b>36</b>

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

‡ Grade of "B" or better is required for graduation.

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

\* Student must meet all Program Admissions Requirement/Student Teaching Rqmts. Admission to Teacher Education program required. Contact School of Education for further information.

The General Education Core courses listed are those recommended for this major.

Source: Academic Advising Center

AG/AP/RP

Rev. 9-2-09

# HEALTH & HUMAN PERFORMANCE – EC-12<sup>th</sup> GRADE TEACHING (KINESIOLOGY)

BS.KINE.EC-12

2009 – 2010

## Bachelor of Science

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF EDUCATION

Teacher Certification

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	6 hours			EDUC 1301 Introduction to the Teaching Profession	3	†	
	3	†		EDUC 2301 Introduction to Special Populations	3	†	
	3	†					
				<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	<b>18 HOURS £</b>		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			EDUC 2303 Technology in Education	3	†£	
Six hours of modern language, other than English.				EDSC 4322 Human Development and Instruction <i>or</i>			
	3			EDCI 4322	3	†£	
	3			EDSC 4324 Designing Inst. & Assess to Promote Student Lrng.	3	†£	
				EDSC 4325 Implementing Responsive Instr. & Assessment	3	†£	
<b>020 - MATHEMATICS</b>	3 hours			EDCI 4311 Student Teaching EC-4	3	†£	
	3	†		EDSC 4398 Student Teaching All Level	3	†£	
<b>030 - NATURAL SCIENCE</b>	8 hours			<b>CERTIFICATION FIELDS</b>	<b>39 HOURS</b>		
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				KINE 1111 Folk & Square Dance	1		
BIOL 2301 /2101 Anatomy & Physiology I & Lab I <i>required for major</i>	3,1			KINE 1124 Swimming	1		
BIOL 2302/2102 Anatomy & Physiology II /Lab <i>or</i> BIOL 1307/1107 <i>required</i>	3,1			KINE 1133 Basic Sports Skills	1		
				KINE 3302 / KINEU 1135 Kinesiology Curr. for Elem. Sch. Std.	3,1		
<b>040 - HUMANITIES</b>	3 hours			KINE 4309 / KINEU 1136 Kinesiology Curr. for Sec. Sch. Std.	3,1		
	3			KINE 1306 First Aid	3		
				KINE 3314 Dance for Children & Adolescents	3		
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			KINE 3330 Coaching of Sports	3		
	3			KINE 3340 Principles of Wellness & Fitness	3		
				KINE 3353 / 3153 Physiology of Exercise and Human Perf. / Lab	3,1		
<b>060 - HISTORY</b>	6 hours			KINE 3370 Biomechanics	3		
	3			KINE 4310 Measurement Tech. in Physical Exer. & Sports	3		
	3			KINE 4351 Adapted Kinesiology Program	3		
				KINE 4356 Motor Development	3		
<b>070 - GOVERNMENT</b>	6 hours						
	3			<b>ELECTIVES</b>	<b>12 HOURS</b>		
	3			(6 hours must be advanced 3000, 4000 level)			
				Advanced			
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			Advanced			
	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11__ (One hour of activity/health/wellness/ fitness)	1			<b>ADDITIONAL REQUIREMENTS</b>	<b>3 HOURS £</b>		
				EDLI 4351 Content Area Literacy	3	†£	
<b>SPEECH</b>	3	‡					
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

‡ Grade of "B" or better is required for graduation.

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

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

The General Education Core courses listed are those recommended for this major.

# SPANISH – EC – 12<sup>th</sup> GRADE TEACHING

BA.SPAN.EC-12  
2009 – 2010

## Bachelor of Arts

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF LIBERAL ARTS

### Teacher Certification

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			EDUC 1301 Introduction to the Teaching Profession	3	†	
	3	†		EDUC 2301 Introduction to Special Populations	3	†	
	3	†					
				<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	<b>18 HOURS £</b>		
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			EDUC 2303 Technology in Education	3	†£	
SPAN 2321 Hispanic Lang. and Culture I <i>recommended for major</i>	3			EDSC 4322 Human Development and Instruction	3	†£	
SPAN 2322 Hispanic Lang. and Culture II <i>recommended for major</i>	3			EDSC 4324 Designing Inst. & Assess to Promote Student Lrng.	3	†£	
				EDSC 4325 Implementing Responsive Instr. & Assessment	3	†£	
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			EDSC 4641 Student Teaching, Secondary	6	†£	
	3	†					
				<b>CORE COURSES FOR THE MAJOR</b>	<b>33 HOURS</b>		
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			SPAN 3301 Spanish Literature I (1100 to 1750)	3		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				SPAN 3302 Spanish Literature II (1750 to present) <i>or</i>			
	3,1			SPAN 4309 Contemporary Spanish Literature	3		
	3,1			SPAN 3303 Advanced Spanish Composition	3		
				SPAN 3310 Masterpieces of Spanish American Literature I	3		
<b>040 - HUMANITIES</b>	<b>3 hours</b>			SPAN 3311 Masterpieces of Spanish American Literature II	3		
	3			SPAN 3330 Spanish Grammar	3		
				SPAN 4310 Spanish Phonology and Phonetics <i>or</i>			
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			SPAN 4317 Spanish Language in Social Context	3		
	3			SPAN 4312 Structure of the Spanish Language	3		
				SPAN 4368 Children's Literature in Spanish	3		
<b>060 - HISTORY</b>	<b>6 hours</b>			SPAN 4371 Chicano Narrative	3		
	3						
	3			<b>Select 3 hours from the following list:</b>	<b>3 hours</b>		
				SPAN 3340 The Hispanic World			
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			SPAN 4303 Hispanic Civilization			
	3			SPAN 4373 Topics in Hispanic Culture			
	3						
				<b>SUPPORT AREA AND/OR MINOR AND/OR ELECTIVES</b>	<b>18 HOURS</b>		
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>						
	3						
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>						
KINE 11___ (One hour of activity/health/wellness/ fitness)	1						
<b>SPEECH</b>	3	‡		<b>ADDITIONAL REQUIREMENTS</b>	<b>3 HOURS £</b>		
				EDLI 4351 Content Area Literacy	3	†£	
				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

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

‡ Grade of "B" or better is required for graduation.

£ Maintain a minimum of 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.

The General Education Core courses listed are those recommended for this major.

# MUSIC – GUITAR - EC-12<sup>th</sup> GRADE TEACHING

BM.GUIT.EC-12  
2009 – 2010

## Bachelor of Music

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF LIBERAL ARTS

Teacher Certification

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			EDUC 1301 Introduction to the Teaching Profession	3	†	
	3	†		EDUC 2301 Introduction to Special Populations	3	†	
	3	†		<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	<b>18 HOURS £</b>		
				EDUC 2303 (Music Education Majors should contact advisor)	3	†£	
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			EDSC 4322 Human Development and Instruction <i>or</i>			
Six hours of modern language, other than English.				EDCI 4322	3	†£	
GERM 1311 Elementary German I <i>required for major</i>	3			EDSC 4324 (Music Education Majors should contact advisor)	3	†£	
FREN 1311 Elementary French I <i>required for major</i>	3			EDCI 4325 Implementing Responsive Instruction & Assessment <i>or</i>			
				EDSC 4325 (Music Education Majors should contact advisor)	3	†£	
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			EDCI 4311 Student Teaching EC-4 <sup>th</sup>	3	†£	
	3	†		EDSC 4398 Student Teaching All Level	3	†£	
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>			<b>CORE COURSES FOR THE MAJOR</b>	<b>41 HOURS</b>		
Select two 4-hour science courses (3 hour lecture <b>must be taken</b> with corresponding 1 hour lab).				MUSI 1181 Piano Class *	1		
	3,1			*Student must continue to register for this class until Music Dept. piano proficiency us passed.			
	3,1			MUSI 1211/1111 Music Theory I	3	†	
				MUSI 1212/1112 Music Theory II	3	†	
<b>040 - HUMANITIES</b>	<b>3 hours</b>			MUSI 2211/2111 Music Theory III	3	†	
	3			MUSI 2212/2112 Music Theory IV	3	†	
				MUSI 3211 Orchestration & Arranging*	2	†	
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			*Student must pass an aural and piano proficiency exam before enrolling in MUSI 3211.			
MUSI 1308 Music Literature and History I <i>required for major</i>	3			MUSI 3289 Introduction to Conducting	2	†	
				MUSI 3307 Secondary instrumental Techniques	3		
<b>060 - HISTORY</b>	<b>6 hours</b>			MUSI 3312 Counterpoint & Analysis	3		
	3			MUSI 3308 Music History II	3		
	3			MUSI 3309 Music History III	3		
				MUSI 4289 Advanced Conducting	2		
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			MUSI 4301 Senior Experience in Music	3		
	3			MUAP 1187, 1188, 2187, 2188, 3101, 3102, 4101. *	7	†	
	3			*Student must pass a sophomore recital before enrolling in MUAP 3101.			
				Student must pass a junior/senior recital before enrolling EDCI 4311 and EDSC 4398.			
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>			MUSI 3304 Elem. Music Tech., MUSI 3306 Sec. Chor. Tech., and MUSI 4211 Computer App. *			
	3			*Recommended for teacher certification. See Advisor.			
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>			<b>GUITAR OPTION COURSES</b>	<b>10 HOURS</b>		
KINE 11____ (One hour of activity/health/wellness/ fitness)	1			MUSI 1183 Voice Class (Applied Voice may be substituted)	1		
				MUSI 1188 Percussion Class	1		
SPEECH	3	‡		MUSI 1189 Strings Class I (Applied Violin may be substituted)	1		
				MUSI 2189 Strings Class II (Applied Cello may be substituted)	1		
				MUSI 3380 Music Pedagogy	3		
				MUEN 1137/3137 Guitar Ensemble*	3		
				*Must be enrolled in Guitar Ensemble (core ensemble) and an elective ensemble each semester.			
				<b>ADDITIONAL REQUIREMENTS</b>	<b>3 HOURS £</b>		
£ Maintain a minimum of 2.50 GPA with no grade lower than a C.				EDLI 4351 Content Area Literacy	3	†£	
† Grade of "C" or better is required for graduation.							
‡ Grade of "B" or better is required for graduation.				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
The General Education Core courses listed are those recommended for this major.				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

# MUSIC – INSTRUMENTAL - EC- 12<sup>th</sup> GRADE TEACHING

BM.INST.EC-12  
2009 – 2010

## Bachelor of Music

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST COLLEGE  
COLLEGE OF LIBERAL ARTS

Teacher Certification

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	<b>6 hours</b>			EDUC 1301 Introduction to the Teaching Profession	3	†	
	3	†		EDUC 2301 Introduction to Special Populations	3	†	
	3	†					
				<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	<b>18 HOURS ‡</b>		
<b>011 - ADDITIONAL COMMUNICATION</b>	<b>6 hours</b>			EDUC 2303 (Music Education Majors should contact advisor)	3	†‡	
Six hours of modern language, other than English.				EDSC 4322 Human Development and Instruction <i>or</i>			
GERM 1311 Elementary German I <i>required for major</i>	3			EDCI 4322	3	†‡	
FREN 1311 Elementary French I <i>required for major</i>	3			EDSC 4324 (Music Education Majors should contact advisor)	3	†‡	
				EDCI 4325 Implementing Responsive Instruction & Assessment <i>or</i>			
<b>020 - MATHEMATICS</b>	<b>3 hours</b>			EDSC 4325 (Music Education Majors should contact advisor)	3	†‡	
	3	†		EDCI 4311 Student Teaching EC-4 <sup>th</sup>	3	†‡	
				EDSC 4398 Student Teaching All Level	3	†‡	
<b>030 - NATURAL SCIENCE</b>	<b>8 hours</b>						
Select two 4-hour science courses (3 hour lecture <i>must be taken with corresponding 1 hour lab</i> ).				<b>CORE COURSES FOR THE MAJOR</b>	<b>41 HOURS</b>		
	3,1			MUSI 1181 Piano Class *	1		
	3,1			*Student must continue to register for this class until Music Dept. piano proficiency is passed.			
				MUSI 1211/1111 Music Theory I	3	†	
<b>040 - HUMANITIES</b>	<b>3 hours</b>			MUSI 1212/1112 Music Theory II	3	†	
	3			MUSI 2211/2111 Music Theory III	3	†	
				MUSI 2212/2112 Music Theory IV	3	†	
<b>050 - VISUAL AND PERFORMING ARTS</b>	<b>3 hours</b>			MUSI 3211 Orchestration & Arranging*	2	†	
MUSI 1308 Music Literature and History I <i>required for major</i>	3			*Student must pass an aural skills and piano proficiency exam before enrolling in MUSI 3211.			
				MUSI 3289 Introduction to Conducting	2	†	
<b>060 - HISTORY</b>	<b>6 hours</b>			MUSI 3307 Secondary instrumental Techniques	3		
	3			MUSI 3308 Music History II	3		
	3			MUSI 3309 Music History III	3		
				MUSI 3312 Counterpoint & Analysis	3		
<b>070 - GOVERNMENT</b>	<b>6 hours</b>			MUSI 4289 Advanced Conducting	2		
	3			MUSI 4301 Senior Experience in Music	3		
	3			MUAP 1187, 1188, 2187, 2188, 3101, 3102, 4101. *	7	†	
				*Student must pass a sophomore recital before enrolling in MUAP 3101.			
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>3 hours</b>			Student must pass a junior/senior recital before enrolling EDCI 4311 and EDSC 4398.			
	3			MUSI 3304 Elem. Music Tech., MUSI 3306 Sec. Chor. Tech., and MUSI 4211 Computer App. *			
				*Recommended for teacher certification. See Advisor.			
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	<b>4 hours</b>						
KINE 11____ (One hour of activity/health/wellness/ fitness)	1			<b>INSTRUMENTAL OPTION COURSES</b>	<b>10 HOURS</b>		
				MUSI 1188 Percussion Class	1		
<b>SPEECH</b>	3	†		MUSI 1189 Strings Class I	1		
				MUSI 1168 Brass Class I	1		
				MUSI 2168 Brass Class II	1		
				MUSI 1166 Woodwinds Class I	1		
				MUSI 2166 Woodwinds Class II	1		
				MUEN Ensemble*	4		
				*Must be enrolled in a core ensemble and an elective ensemble every semester.			
				<b>ADDITIONAL REQUIREMENTS</b>	<b>3 HOURS ‡</b>		
‡ Maintain a minimum of 2.50 GPA with no grade lower than a C.				EDLI 4351 Content Area Literacy	3	†‡	
† Grade of "C" or better is required for graduation.							
‡ Grade of "B" or better is required for graduation.				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
The General Education Core courses listed are those recommended for this major.				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

# MUSIC – KEYBOARD - EC – 12<sup>th</sup> GRADE TEACHING

BM.KEYB.EC-12  
2009- 2010

## Bachelor of Music

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF LIBERAL ARTS

**Teacher Certification**

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	6 hours			EDUC 1301 Introduction to the Teaching Profession	3	†	
	3	†		EDUC 2301 Introduction to Special Populations	3	†	
	3	†					
				<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	<b>18 HOURS £</b>		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			EDUC 2303 (Music Education Majors should contact advisor)	3	†£	
Six hours of modern language, other than English.				EDSC 4322 Human Development and Instruction <b>or</b>			
GERM 1311 Elementary German I <i>required for major</i>	3			EDCI 4322	3	†£	
FREN 1311 Elementary French I <i>required for major</i>	3			EDSC 4324 (Music Education Majors should contact advisor)	3	†£	
				EDCI 4325 Implementing Responsive Instruction & Assessment <b>or</b>			
<b>020 - MATHEMATICS</b>	3 hours			EDSC 4325 (Music Education Majors should contact advisor)	3	†£	
	3	†		EDCI 4311 Student Teaching EC-4th	3	†£	
				EDSC 4398 Student Teaching All Level	3	†£	
<b>030 - NATURAL SCIENCE</b>	8 hours						
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).	3,1			<b>CORE COURSES FOR THE MAJOR</b>	<b>41 HOURS</b>		
	3,1			MUSI 1181 Piano Class	1		
				*Student must continue to register for this class until Music Dept. piano proficiency is passed.			
				MUSI 1211/1111 Music Theory I	3	†	
<b>040 - HUMANITIES</b>	3 hours			MUSI 1212/1112 Music Theory II	3	†	
	3			MUSI 2211/2111 Music Theory III	3	†	
				MUSI 2212/2112 Music Theory IV	3	†	
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			MUSI 3211 Orchestration & Arranging*	2	†	
MUSI 1308 Music Literature and History I <i>required for major</i>	3			*Student must pass an aural skills and piano proficiency exam before enrolling in MUSI 3211.			
				MUSI 3289 Introduction to Conducting	2	†	
<b>060 - HISTORY</b>	6 hours			MUSI 3307 Secondary Instrumental Techniques	3		
	3			MUSI 3308 Music History II	3		
	3			MUSI 3309 Music History III	3		
				MUSI 3312 Counterpoint & Analysis	3		
<b>070 - GOVERNMENT</b>	6 hours			MUSI 4289 Advanced Conducting	2		
	3			MUSI 4301 Senior Experience in Music	3		
	3			MUAP 1187, 1188, 2187, 2188, 3101, 3102, 4101. *	7	†	
				*Student must pass a sophomore recital before enrolling in MUAP 3101.			
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			Student must pass a junior/senior recital before enrolling EDCI 4311 and EDSC 4398.			
	3			MUSI 3304 Elem. Music Tech., MUSI 3306 Sec. Chor. Tech., and MUSI 4211 Computer App. *			
				*Recommended for teacher certification. See Advisor.			
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11____ (One hour of activity/health/wellness/ fitness)	1			<b>KEYBOARD OPTION COURSES</b>	<b>10 HOURS</b>		
				MUSI 3370 Topics in Music Literature	3		
<b>SPEECH</b>	3	‡		MUSI 3380 Music Pedagogy	3		
				MUEN 1142/3142 Accompanying (core ensemble)	4		
				MUEN _____ Secondary Ensemble*			
				*Must be enrolled in core and secondary ensemble each semester.			
				<b>ADDITIONAL REQUIREMENTS</b>	<b>3 HOURS £</b>		
† Grade of "C" or better is required for graduation.				EDLI 4351 Content Area Literacy	3	†£	
‡ Grade of "B" or better is required for graduation.							
£ Maintain a minimum of 2.50 GPA with no grade lower than a C.				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
The General Education Core courses listed are those recommended for this major.				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

# MUSIC – VOCAL - EC- 12<sup>th</sup> GRADE TEACHING

BM.VOCAL.EC-12  
2009 – 2010

## Bachelor of Music

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE  
COLLEGE OF LIBERAL ARTS

### Teacher Certification

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

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

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

GENERAL EDUCATION CORE REQUIREMENTS	48 HOURS			PREREQUISITES FOR ADMISSION TO TEACHER EDUCATION	6 HOURS		
	HRS	GR	GPT		HRS	GR	GPT
<b>010 - COMMUNICATION</b>	6 hours			EDUC 1301 Introduction to the Teaching Profession	3	†	
	3		†	EDUC 2301 Introduction to Special Populations	3	†	
	3		†				
				<b>PEDAGOGY &amp; PROFESSIONAL RESPONSIBILITY</b>	<b>18 HOURS £</b>		
<b>011 - ADDITIONAL COMMUNICATION</b>	6 hours			EDUC 2303 (Music Education Majors should contact advisor)	3	†£	
Six hours of modern language, other than English.				EDSC 4322 Human Development and Instruction <i>or</i>			
GERM 1311 Elementary German I <i>required for major</i>	3			EDCI 4322	3	†£	
FREN 1311 Elementary French I <i>required for major</i>	3			EDSC 4324 (Music Education Majors should contact advisor)	3	†£	
				EDCI 4325 Implementing Responsive Instruction & Assessment <i>or</i>			
<b>020 - MATHEMATICS</b>	3 hours			EDSC 4325 (Music Education Majors should contact advisor)	3	†£	
	3		†	EDCI 4311 Student Teaching EC-4 <sup>th</sup>	3	†£	
				EDSC 4398 Student Teaching All Level	3	†£	
<b>030 - NATURAL SCIENCE</b>	8 hours						
Select two 4-hour science courses (3 hour lecture <u>must be taken</u> with corresponding 1 hour lab).				<b>CORE COURSES FOR THE MAJOR</b>	<b>41 HOURS</b>		
	3,1			MUSI 1181 Piano Class*	1		
	3,1			*Student must continue to register for this class until Music Dept. piano proficiency is passed.			
				MUSI 1211/1111 Music Theory I	3	†	
<b>040 - HUMANITIES</b>	3 hours			MUSI 1212/1112 Music Theory II	3	†	
	3			MUSI 2211/2111 Music Theory III	3	†	
				MUSI 2212/2112 Music Theory IV	3	†	
<b>050 - VISUAL AND PERFORMING ARTS</b>	3 hours			MUSI 3211 Orchestration & Arranging	2	†	
MUSI 1308 Music Literature and History I <i>required for major</i>	3			*Student must pass an aural skills and piano proficiency exam before enrolling in MUSI 3211.			
				MUSI 3289 Introduction to Conducting	2	†	
<b>060 - HISTORY</b>	6 hours			MUSI 3307 Secondary Instrumental Techniques	3		
	3			MUSI 3308 Music History II	3		
	3			MUSI 3309 Music History III	3		
				MUSI 3312 Counterpoint & Analysis	3		
<b>070 - GOVERNMENT</b>	6 hours			MUSI 4289 Advanced Conducting	2		
	3			MUSI 4301 Senior Experience in Music	3		
	3			MUAP 1187, 1188, 2187, 2188, 3101, 3102, 4101. *	7	†	
				*Student must pass a sophomore recital before enrolling in MUAP 3101.			
<b>080 - SOCIAL AND BEHAVIORAL SCIENCES</b>	3 hours			*Student must pass a junior/senior recital before enrolling EDCI 4311 and EDSC 4398.			
	3			MUSI 3304 Elem. Music Tech., MUSI 3306 Sec. Chor. Tech., and MUSI 4211 Computer App. *			
				*Recommended for teacher certification. See Advisor.			
<b>090 - INSTITUTIONAL REQUIREMENTS</b>	4 hours						
KINE 11__ (One hour of activity/health/wellness/ fitness)	1			<b>VOCAL OPTION COURSES</b>	<b>10 HOURS</b>		
				MUSI 1162 Diction I	1		
SPEECH	3		‡	MUSI 1165 Diction II	1		
				MUSI 3380 Music Pedagogy	3		
				MUEN Ensemble*	5		
				*Must be enrolled in core and elective ensemble every semester			
† Grade of "C" or better is required for graduation.				<b>ADDITIONAL REQUIREMENTS</b>	<b>3 HOURS £</b>		
‡ Grade of "B" or better is required for graduation.				EDLI 4351 Content Area Literacy	3	†£	
£ Maintain a minimum of 2.50 GPA with a grade no lower than a C.							
The General Education Core courses listed are those recommended for this major.				<b>TOTAL CREDIT HOURS FOR GRADUATION</b>	<b>126</b>		
				<b>TOTAL ADVANCED HOURS (minimum)</b>	<b>36</b>		

## 2009-2010 MINORS

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE

<b>ART</b>	<b>30 Hrs.</b>	<b>ART HISTORY</b>	<b>18 Hrs.</b>	<b>BUSINESS ADMINISTRATION</b>	<b>18 Hrs.</b>
ARTS 1303 Art History Survey I	3	ARTS 1303 Art History Survey I	3	BUSI 1301 Intro to Business	3
ARTS 1304 Art History Survey II	3	ARTS 1304 Art History Survey II	3	ACCT 2301 Prin. of Accounting I	3
ARTS 1311 Two-dimensional Design	3	12 hours of Upper Division Art History		ECON 2301 Macroeconomics <i>or</i>	
ARTS 1312 Three-dimensional Design	3	ARTS 4390 Topics in Art History	3	ECON 2302 Microeconomics	3
ARTS 1316 Drawing I	3	ARTS (Adv. Elective 3000/4000)	3	MANA 3361 Principles of	3
ARTS 1317 Drawing II	3	ARTS (Adv. Elective 3000/4000)	3	MARK 3371 Principles of Marketing	3
3 hours : Choose from ARTS 2313, 2316, 2326, 2333, <i>or</i> 2346	3	ARTS (Adv. Elective 3000/4000)	3	Any Adv. Business Elective 3000/4000	3
9 hrs of Upper Division Art History/Studio					
ARTS (Adv. Elective 3000/4000)	3				
ARTS (Adv. Elective 3000/4000)	3				
ARTS (Adv. Elective 3000/4000)	3				

<b>FRENCH</b>	<b>21 Hrs</b>	<b>LEADERSHIP AND PERSONAL DEVELOPMENT</b>	<b>18 Hrs</b>	<b>SPANISH *</b>	<b>18 Hrs.</b>
FREN 1311 Elementary French I	3	ROTC 3202 Advanced Army Physical Training	2	SPAN (Adv. Elective 3000/4000)	3
FREN 1312 Elementary French II	3	ROTC 3401 Adaptive Tactical Leadership	4	SPAN (Adv. Elective 3000/4000)	3
FREN 2311 Intermediate French I		ROTC 3402 Leadership in Changing Environments	4	SPAN (Adv. Elective 3000/4000)	3
FREN 2312 Intermediate French II } <i>or</i>		ROTC 4401 Developing Adaptive Leaders	4	SPAN (Adv. Elective 3000/4000)	3
FREN 2612 Intensive Intermediate Fr. }	6	ROTC 4403 Leadership in a Complex World	4	SPAN (Adv. Elective 3000/4000)	3
FREN 3330 Direct Fr. Translation	3			SPAN (Adv. Elective 3000/4000)	3
FREN 3337 Fr. Grammar & Composition	3				
FREN 4330 Inverse Fr. Translation or	3				
FREN 4335 Topics in Fr. Lang. Cult & Tr	3				

<b>SPANISH TRANSLATION *</b>	<b>18 Hrs.</b>
TRSP 3332 Spanish/English Trans. or	3
TRSP 3333 English/Spanish Trans.	3
TRSP 3335^ Topics in Translation	3
TRSP (Adv. Elective 3000/4000)	3
TRSP (Adv. Elective 3000/4000)	3
TRSP (Adv. Elective 3000/4000)	3
TRSP (Adv. Elective 3000/4000)	3

^ This course may be taken 3 times for credit.

\*SPAN 2321 and 2322 Hispanic Language & Culture I and II are recommended as part of the General Education Core for Spanish and Spanish Translation Minors.





# HISTORICAL BUILDING RESTORATION

xx2  
IA.HBR  
2009 - 2010

Industrial Technology Department  
College of Applied Technology and General Studies  
UTB-TSC

## Institutional Award in HISTORICAL BUILDING RESTORATION

Student \_\_\_\_\_ ID# \_\_\_\_\_

Student Signature \_\_\_\_\_ Email \_\_\_\_\_

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

### FIRST SEMESTER

		HRS	GR	SEM
CNBT 1191	Special Topics in Construction	1		
ARCE 1191	Special Topics in Architecture	1		
CRPT 1191	Special Topics in Carpentry	1		
CRPT 1480	Co-Op - Carpentry	4		

### SECOND SEMESTER

MBST 1191	Special Topics in Mason & Tile Setter	1		
CBFM 1193	Special Topics in Painter/Wall Coverer	1		
WDWK 1191	Special Topics in Cabinet Maker	1		
CNBT 1366	Field Experience - Construction	3		
or	CNBT 1167, CNBT 2166, CNBT 2167			
<b>Total credit hours required to complete program</b>		<b>13</b>		

# JAZZ

Fine Arts Department  
College of Liberal Arts  
UTB-TSC

xx3  
IA.JAZZ  
2009 - 2010

## Institutional Award in JAZZ STUDIES

Student \_\_\_\_\_ ID# \_\_\_\_\_

Student Signature \_\_\_\_\_ Email \_\_\_\_\_

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

**FIRST SEMESTER** **HRS**    **GR**    **SEM**

**Jazz ensemble-choose one from:**

MUSI 3136	Jazz Band	or			
MUSI 3139	Jazz Combo	or		1	
MUSI 2139	Latin Jazz Combo				
MUSI 1114	Keyboarding Skills			1	
MUSI 3313	Advanced Jazz Harmony			3	

**Choose two from the following:** **4**

MUAP x2xx	Applied Music				
MUSI 1263	Improvisation				
MUEN	Two additional jazz ensembles (see above)				
MUSI 4211	Computer Applications				

**SECOND SEMESTER**

**Jazz ensemble-choose one from:**

MUSI 3136	Jazz Band	or			
MUSI 3139	Jazz Combo	or		1	
MUSI 2139	Latin Jazz Combo				
MUSI 1115	Keyboarding Skills II			1	
MUSI 2310	Jazz History & Interpretation			3	
MUSI 3310	Jazz Arranging			3	

**Choose two from the following:** **4-5**

MUAP x2xx	Applied Music				
MUSI 3363	Intermediate Jazz Improvisation				
MUEN	Two additional jazz ensembles (see above)				
MUSI 4211	Computer Applications				

<b>Total credit hours required to complete program</b>				<b>21-22</b>	
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**Please review the requirements listed on this page. Once you have read them, please show your agreement by completing the signature portion at the top.**

This degree is active for six(6) years from the Catalog year above. Non-completion may require updating to an active degree. Developmental courses may be recommended based on test scores. All students must comply with Texas Success Initiatives (TSI) requirements.

# MARIACHI

Fine Arts Department  
College of Liberal Arts  
UTB-TSC

xx4  
IA.MARIACHI  
2009 - 2010

## Institutional Award in MARIACHI STUDIES

Student \_\_\_\_\_ ID# \_\_\_\_\_

Student Signature \_\_\_\_\_ Email \_\_\_\_\_

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

### FIRST SEMESTER

**HRS GR SEM**

**Mariachi ensemble-choose one from:**

MUEN 2139	Instrumental Chamber Ensemble 2139 <b>or</b>			
MUEN 3139	Instrumental Chamber Ensemble 3139		1	

**Mariachi Methods-choose one from:**

MUSI 1105	Basics in Mariachi Trumpet Techniques <b>or</b>			
MUSI 1105	Basics in Mariachi Vocal Techniques		1	
MUSI 1105	Basics in Mariachi Strings/Arpa		1	
MUSI 1105	Basics in Mariachi Armonia/Guitarron		1	
MUSI 3305	History and Style of Mariachi		3	
MUAP x2xx	Applied Music		2	
MUSI 4211	Computer Applications		2	

### SECOND SEMESTER

**Mariachi ensemble-choose one from:**

MUEN 2139	Instrumental Chamber Ensemble 2139 <b>or</b>			
MUEN 3139	Instrumental Chamber Ensemble 3139		1	

**Mariachi Methods-choose one from:**

MUSI 1105	Basic in Mariachi Trumpet Techniques <b>or</b>			
MUSI 1105	Basic in Mariachi Vocal Techniques			
MUSI 1105	Basic in Mariachi Strings/Arpa			
MUSI 1105	Basics in Mariachi Armonia/Guitarron			
MUSI 2310	Transcription and Transposition Techniques			
MUSI x2xx	Applied Music			
<b>Total credit hours required to complete program</b>			<b>20</b>	

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Developmental courses may be recommended based on test scores. All students must comply with Texas Success Initiatives (TSI) requirements.

# FORENSIC INVESTIGATION

xx5

Criminal Justice  
College of Liberal Arts  
UTB-TSC

IA.FRIN  
2009 - 2010

## Institutional Award in FORENSIC INVESTIGATION

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

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

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

**NATURAL SCIENCE REQUIREMENT - 8 hours**

		HRS	GR	SEM
BIOL	1306, 1106	General Biology I & Lab	3,1	
CHEM	1311, 1111	General Chemistry I & Lab	3,1	

**LAW REQUIREMENT - 6 hours**

CRIJ	1310	Fundamentals of Criminal Law	3	
CRIJU	2320	Evidence for Forensic Investigations	3	

**FORENSIC INVESTIGATION REQUIREMENTS - 9 hours**

CRIJU	2315	Forensic Investigation I	3	
CRIJU	2316	Forensic Investigation II	3	
CRIJU	2330	Seminar in Forensic Investigation	3	

**ELECTIVE REQUIREMENTS - 3 hours**

CRIJU	2325	Medical-Legal Forensic Investigations	3	
ARTS	2356	Photography I		
<b>TOTAL CREDIT HOURS FOR GRADUATION</b>			<b>26</b>	

**Please review the requirements listed on this page. Once you have read them, please show your agreement by completing the signature portion at the top.**

This degree is active for six(6) years from the Catalog year above. Non-completion may require updating to an active degree. Developmental courses may be recommended based on test scores. All students must comply with Texas Success Initiatives (TSI) requirements.