The University of Texas Rio Grande Valley **Bachelor of Science (BS)** Physics (Focus: Educational Physics)

H Course # Course Title GEC Prerequisite Additional Notes Satisfactory scores on English portion of ACT test and TSI 010 3 ENGL 1301 Rhetoric and Composition I examination or ENGL 0301. MATH 2412 with a grade of 'C' or better; or passing the 4 MATH 2413 Calculus I c 020 Precalculus Exemption Test administered by the Department of Mathematics.

							or mathematics.	
	FALL			U.S. History I		060		
	Ā	3	XXXX X3XX	Language, Philosophy & Culture		040		See General Education Core for course options.
		3	XXXX X3XX	Creative Arts		050		See General Education Core for course options.
R		1	UTCH 1101	Inquiry Approaches to Teaching			Criminal background check and TB vaccine.	
ST YEAR				Learning Framework				Only if required, based on ACT/SAT and high school rank.
FIR		17	Semester Tota	Il Hours				
		3	ENGL 1302	Rhetoric And Composition II		010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.	
		4	MATH 2414	Calculus II	С	020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
	ğ	4	PHYS 2425	Physics for Scientists and Engineers I	с	030	MATH 2413 (or MATH 2487) and concurrent enrollment in MATH 2414 (or MATH 2488).	
	SPRING	3	HIST 1302	U.S. History II		060		
	SP	1	XXXX X1XX	Integrative and Experiential Learning				
		1	UTCH 1102	Inquiry-Based Lesson Design			UTCH 1101 with a grade of 'C' or better or concurrent enrollment with UTCH 1101.	
		16	Semester Tota	I Hours				
		Н	Course #	Course Title	Min. Grade		Prerequisite	Additional Notes
		4	MATH 2415	Calculus III	С		MATH 2414 (or MATH 2488) with a grade of 'C' or better.	
		3	MATH 2318	Linear Algebra			MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
		4	PHYS 2426	Physics for Scientists and Engineers II		030	PHYS 2425.	
	FALI	3	POLS 2301	U.S. & Texas Government & Politics I		070		
×.		3	CSCI 1380	Computer Science I		090	Concurrent enrollment or credit for MATH 1314 or higher level mathematics course.	
(EA	17 Semester Total Hours							
		3	MATH 3341	Differential Equations			MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.	
SEC		4	PHYS 3402	Madam Dhyaiga			PHYS 2426	Physics core requirement.
-0,				INDUETT PTTYSICS			F1113 2420	Physics core requirement.
	SPRING		UTCH 3301	Knowing and Learning in Mathematics and Science			UTCH 1101 and UTCH 1102 with a grade of 'C' or better or concurrent enrollment with UTCH 1101 and/or UTCH 1102 with consent of UTeach advisor.	
	SPRING	3	UTCH 3301	Knowing and Learning in Mathematics		070	UTCH 1101 and UTCH 1102 with a grade of 'C' or better or concurrent enrollment with UTCH 1101 and/or UTCH 1102	
	SPRING	3	UTCH 3301 POLS 2302	Knowing and Learning in Mathematics and Science			UTCH 1101 and UTCH 1102 with a grade of 'C' or better or concurrent enrollment with UTCH 1101 and/or UTCH 1102	See General Education Core for course options.
	SPRING	3 3 3	UTCH 3301 POLS 2302	Knowing and Learning in Mathematics and Science U.S. & Texas Government & Politics II Social and Behavioral Sciences		070	UTCH 1101 and UTCH 1102 with a grade of 'C' or better or concurrent enrollment with UTCH 1101 and/or UTCH 1102	

Symbols Key

Critical ('!'): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; in a language other than English at the undergraduate level equivalent to a minimum of six 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Computer Application; 090 - Interdisciplinary ;090 - Science Labs; 090 - Wellness.

Language Proficiency Requirement: Student is required to demonstrate language proficiency credits.

		н	Course #	Course Title	GEC Prerequisite	Additional Notes
		3	MATE 3317	Perspectives in Mathematics and Science	MATE 3321, BIOL 3330, or PHYS 3330 with a grade of "C" or better.	
		3	PHYS 3301	Electromagnetic Theory I	MATH 2415 and either PHYS 2426 or PHYS 2412.	Physics core requirement.
				Math Methods in Physics I	MATH 3341.	Physics core requirement.
		3	PHYS 3303	Thermodynamics	MATH 2415 and either PHYS 2412 or PHYS 2426.	Physics core requirement.
	FALL			Classroom Interactions	(a) A university grade point average of at least 2.75, (b) UTCH 3301 with a grade of 'C' or better or concurrent enrollment with UTCH 3301 with consent of UTeach advisor, and (c) positive evaluation of stage-one UTeach portfolio.	
e		3	READ 4305	Content Area Literacy	Admission to COE Teacher Education Program.	
YEAR			Semester Tota			
2				Modern Geometry I	MATH 2318 with a grade of 'C' or better.	
III III	_		PHYS 3404		MATH 2415 and either PHYS 2412 or PHYS 2426.	Physics core requirement.
É				Functions and Modeling	A grade of 'C' or better in the following: MATH 2413 (or MATH 2487) and UTCH 1102.	
	ŋ		PHYS 4101	Laboratory Research	Consent of instructor.	CapStone Course; Choose either PHYS 4101 or 4201.
	SPRIN	2	PHYS 4201	Advanced Physics Lab	Consent of instructor.	CapStone Course; Choose either PHYS 4101 or 4201.
		3	UTCH 3303	Project-Based Instruction	(a) A university grade point average of at least 2.75, (b) UTCH 3302 with a grade of 'C' or better or concurrent enrollment with UTCH 3302 with consent of UTeach advisor, and (c) positive evaluation of the second-stage UTeach portfolio.	
		15	Semester Tota	l Hours		
	!	15 H	Semester Tota Course #	l Hours Course Title	GEC Prerequisite	Additional Notes
		Η	Course #		GEC Prerequisite MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.	Additional Notes
		H 3	Course # MATH 3343	Course Title Min.	MATH 2414 (or MATH 2488) and MATH 2318 with a grade of	Additional Notes CapStone Course; Choose either PHYS 4101 or 4201.
	FALL -	H 3 3 3	Course # MATH 3343 MATH 3361 PHYS 3305	Course Title Min. Introduction to Mathematical Software Applied Discrete Mathematics Classical Mechanics Introduction Software	MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better. MATH 2318 with a grade of 'C' or better. PHYS 2426 and MATH 2415.	CapStone Course; Choose either PHYS 4101 or 4201. CapStone Course; Choose either PHYS 4101 or 4201. Physics core requirement.
	FALL	H 3 3 3	Course # MATH 3343 MATH 3361 PHYS 3305 PHYS 4303	Course Title Min. Introduction to Mathematical Software Applied Discrete Mathematics Classical Mechanics Quantum Mechanics I	MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better. MATH 2318 with a grade of 'C' or better.	CapStone Course; Choose either PHYS 4101 or 4201. CapStone Course; Choose either PHYS 4101 or 4201.
	EALL	H 3 3 3	Course # MATH 3343 MATH 3361 PHYS 3305 PHYS 4303	Course Title Min. Introduction to Mathematical Software Applied Discrete Mathematics Classical Mechanics Introduction Software	MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better. MATH 2318 with a grade of 'C' or better. PHYS 2426 and MATH 2415.	CapStone Course; Choose either PHYS 4101 or 4201. CapStone Course; Choose either PHYS 4101 or 4201. Physics core requirement.
ſĸ	EALL	H 3 3 3 3 3	Course # MATH 3343 MATH 3361 PHYS 3305 PHYS 4303	Course Title Mile Introduction to Mathematical Software Applied Discrete Mathematics Classical Mechanics Quantum Mechanics I Laboratory Research Introduction I	MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better. MATH 2318 with a grade of 'C' or better. PHYS 2426 and MATH 2415. PHYS 3305 and PHYS 3311.	CapStone Course; Choose either PHYS 4101 or 4201. CapStone Course; Choose either PHYS 4101 or 4201. Physics core requirement.
rear	EALL	H 3 3 3 3 3 12	Course # MATH 3343 MATH 3361 PHYS 3305 PHYS 4303 PHYS 4101 Semester Tota	Course Title Mile Introduction to Mathematical Software Applied Discrete Mathematics Classical Mechanics Quantum Mechanics I Laboratory Research Introduction I	MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better. MATH 2318 with a grade of 'C' or better. PHYS 2426 and MATH 2415. PHYS 3305 and PHYS 3311.	CapStone Course; Choose either PHYS 4101 or 4201. CapStone Course; Choose either PHYS 4101 or 4201. Physics core requirement.
JRTH YEAR	EALL	H 3 3 3 3 3 12 3	Course # MATH 3343 MATH 3361 PHYS 3305 PHYS 4303 PHYS 4101 Semester Tota MATH 4337	Course Title Mile Introduction to Mathematical Software Applied Discrete Mathematics Applied Discrete Mathematics Classical Mechanics Quantum Mechanics I Laboratory Research I Hours I	MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better. MATH 2318 with a grade of 'C' or better. PHYS 2426 and MATH 2415. PHYS 3305 and PHYS 3311. Consent of instructor.	CapStone Course; Choose either PHYS 4101 or 4201. CapStone Course; Choose either PHYS 4101 or 4201. Physics core requirement.
FOURTH YEAR	SPRING FALL	H 3 3 3 3 3 3 12 3 3 3	Course # MATH 3343 MATH 3361 PHYS 3305 PHYS 4303 PHYS 4101 Semester Tota MATH 4337 PHYS 4392	Course Title Mile Introduction to Mathematical Software Applied Discrete Mathematics Applied Discrete Mathematics Classical Mechanics Quantum Mechanics I Laboratory Research I Hours Probability and Statistics I	MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better. MATH 2318 with a grade of 'C' or better. PHYS 2426 and MATH 2415. PHYS 3305 and PHYS 3311. Consent of instructor. MATH 2414 (or MATH 2488) with a grade of 'C' or better. Grade C or better in the following: MATH 2413 (or MATH	CapStone Course; Choose either PHYS 4101 or 4201. CapStone Course; Choose either PHYS 4101 or 4201. Physics core requirement. Physics core requirement.
FOURTH YEAR		H 3 3 3 3 3 3 3 3 3 1 1	Course # MATH 3343 MATH 3361 PHYS 3305 PHYS 4303 PHYS 4101 Semester Tota MATH 4337 PHYS 4392 UTCH 4101	Course Title Mile Introduction to Mathematical Software Applied Discrete Mathematics Applied Discrete Mathematics Classical Mechanics Classical Mechanics Quantum Mechanics I Laboratory Research Implied Discrete Natistics I Probability and Statistics I Research Methods	MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better. MATH 2318 with a grade of 'C' or better. PHYS 2426 and MATH 2415. PHYS 3305 and PHYS 3311. Consent of instructor. MATH 2414 (or MATH 2488) with a grade of 'C' or better. Grade C or better in the following: MATH 2413 (or MATH 2487) and UTCH 1102. (a) A university grade point average of at least 2.75, (b) UTCH 3303 with a grade of 'C' or better, (c) concurrent enrollment with UTCH 4601, (d) successful completion of PPR and content TEXES examinations, and (e) acceptance of the third-	CapStone Course; Choose either PHYS 4101 or 4201. CapStone Course; Choose either PHYS 4101 or 4201. Physics core requirement. Physics core requirement.

Progression Requirements: Admission to the College of Education and P-16 Integration is required for participation in Apprentice Teaching and Seminar (UTCH 4101, 4601). Students unable to be admitted to UTCH 4601 and UTCH 4101 will be required to substitute 4 advance hours, as recommended by advisor.

124 TOTAL HOURS

(68) TOTAL ADVANCED HOURS

Approved: Wednesday, March 12, 2014 Revised: Thursday, August 13, 2015

The University of Texas Rio Grande Valley (Focus: 1 **Bachelor of Science (BS)** (Focus: Medical Physics)

	!	Н	Course #	Course Title	Min. Grade	<u> </u>	Prerequisite	Additional Notes
		3	ENGL 1301	Rhetoric and Composition I		010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.	
		4	MATH 2413	Calculus I	с	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.	
	N.	3	HIST 1301	U.S. History I		060		
		1	XXXX X1XX	Integrative and Experiential Learning				
AR		3	XXXX X3XX	Creative Arts				See General Education Core for course options.
FIRST YE			UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.
÷		14	Semester Tota					
		3	ENGL 1302	Rhetoric And Composition II		010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.	
		4	MATH 2414	Calculus II	с	020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
	2	4	PHYS 2425	Physics for Scientists and Engineers I	с	030	MATH 2413 (or MATH 2487) and concurrent enrollment in MATH 2414 (or MATH 2488).	
a a a a a a a a a a a a a a a a a a a	24	3	HIST 1302	U.S. History II		060		
	<i>.</i>	3	CSCI 1380	Computer Science I		090	Concurrent enrollment or credit for MATH 1314 or higher level mathematics course.	
		17	Semester Tota	al Hours				
	!	Н	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
		4	MATH 2415	Calculus III	С		MATH 2414 (or MATH 2488) with a grade of 'C' or better.	
	. 🗆	4	PHYS 2426	Physics for Scientists and Engineers II		030	PHYS 2425.	
~		3	POLS 2301	U.S. & Texas Government & Politics I		070		
EA	_	3	XXXX X3XX	Minor				
Δ	14 Semester Total Hours							
COND		3	MATH 3341	Differential Equations			MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.	
111		3	PHYS 3305	Classical Mechanics			PHYS 2426 & MATH 2415	Physics core requirement.
		4	PHYS 3402	Modern Physics			PHYS 2426.	Physics core requirement.
S	10	3		U.S. & Texas Government & Politics II		070		
		3	-	Social and Behavioral Sciences		080		See General Education Core for course options.
	16 Semester Total Hours							

Wellness.

Symbols Key

Critical ('!'): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR -Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 -Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy demonstrate language proficiency in a language other than & Culture; 050 - Creative Arts; 060 - American History; 070 -Government/Political Science; 080 - Social and Behavioral Sciences; 090 - six credits. Computer Application; 090 - Interdisciplinary ;090 - Science Labs; 090 -

Language Proficiency Requirement: Student is required to English at the undergraduate level equivalent to a minimum of

	!	Н	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
		3	PHYS 3303	Thermodynamics			MATH 2415 and either PHYS 2412 or PHYS 2426.	Physics core requirement.
		3	PHYS 3306	Introduction to Biophysics			PHYS 1402 or PHYS 2426.	Meets concentration req.
	FALL	3	PHYS 3311	Math Methods in Physics I			MATH 3341.	Physics core requirement.
	FA	3	XXXX X3XX	Language, Philosophy & Culture				See General Education Core for course options.
YEA		3	XXXX X3XX	Minor				
â		15	Semester Tota	al Hours				
THIRD		4	PHYS 3404	Optics			MATH 2415 and either PHYS 2412 or PHYS 2426.	Physics core requirement.
Ξ.	(7	3	PHYS 3309	Introduction to Medical Imaging			MATH 1314 and either PHYS 1402, PHYS 2426, PSCI 1422, CHEM 1312, or BIOL 1407 (or BIOL 1488).	Meets concentration req.
	ž_	3		Statistical Mechanics			PHYS 3303 and PHYS 3311.	Meets concentration req.
	SPRING	3		Minor (Advanced)				
	0,	3	XXXX X3XX					
		16	Semester Tota					
	!	Н		Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
		3	PHYS 4303	Quantum Mechanics I			PHYS 3305 and PHYS 3311.	Physics core requirement.
			PHYS 4101	Laboratory Research			Consent of instructor.	CapStone Course; Choose either PHYS 4101 or 4201.
	FALL	2	PHYS 4201	Advanced Physics Lab			Consent of instructor.	CapStone Course; Choose either PHYS 4101 or 4201.
~	"	3	PHYS 3301	Electromagnetic Theory I			MATH 2415 and either PHYS 2426 or PHYS 2412.	Physics core requirement.
EAR		3		Radiation Biophysics			PHYS 1402 or PHYS 2426.	Meets concentration req.
Σ		3	XXXX X3XX	Minor (Advanced)				
Ē		14	Semester Tota	al Hours				
FOURTH YE		3	PHYS 3302	Electromagnetic Theory II			PHYS 3301.	Meets concentration req.
R				Laboratory Research			Consent of instructor.	Not needed if PHYS 4201 taken.
	(1)	3	PHYS 4304	Quantum Mechanics II			PHYS 4303.	Meets concentration req.
	ž	3	PHYS 4312	Introductory Nuclear Engineering and Health				
	SPRING	3	PHIS 4312	Physics Concepts			PHYS 3402 and PHYS 4309; or consent of the instructor.	Meets concentration req.
		3	XXXX X3XX	Minor (Advanced)				
		3	XXXX X3XX	Free Elective				
		15	Semester Tota	al Hours				

Graduation Requirements

121 TOTAL HOURS (58) TOTAL ADVANCED HOURS Approved: Wednesday, March 12, 2014 Revised: Thursday, August 13, 2015

The University of Texas Rio Grande Valley Eccus: **Bachelor of Science (BS)** (Focus: Pure & Applied)

				J (Focus: Pure 8		UNEL	<i></i>	
	!	Η	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
		3	ENGL 1301	Rhetoric and Composition I		010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.	
		4	MATH 2413	Calculus I	с	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.	
	FALL	3	HIST 1301	U.S. History I		060		
				Integrative and Experiential Learning		090		
YEAR		3	XXXX X3XX	Creative Arts				See General Education Core for course options.
FIRST YE			UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.
E		14	Semester Tota	l Hours				
		3	ENGL 1302	Rhetoric And Composition II		010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.	
		4	MATH 2414	Calculus II	С	020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
	SPRING	4	PHYS 2425	Physics for Scientists and Engineers I	с	030	MATH 2413 (or MATH 2487) and concurrent enrollment in MATH 2414 (or MATH 2488).	
	PR	3	HIST 1302	U.S. History II		060		
		3	CSCI 1380	Computer Science I		090	Concurrent enrollment or credit for MATH 1314 or higher level mathematics course.	
		17	Semester Tota	l Hours				
	!	Н	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
		4	MATH 2415	Calculus III	С		MATH 2414 (or MATH 2488) with a grade of 'C' or better.	
		4	PHYS 2426	Physics for Scientists and Engineers II		030	PHYS 2425.	
	ALL	3	POLS 2301	U.S. & Texas Government & Politics I		070		
eg	F	3	XXXX X3XX	Minor				
ΥEA		3	XXXX X3XX	Free Elective				
		17	Semester Tota	l Hours				
ECON		3	MATH 3341	Differential Equations			MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.	
0	ğ			Classical Mechanics			PHYS 2426 & MATH 2415	Physics core requirement.
	SPRING			Modern Physics			PHYS 2426	Physics core requirement.
	SP	3	POLS 2302	U.S. & Texas Government & Politics II		070		
		3	XXXX X3XX	Social and Behavioral Sciences		080		See General Education Core for course options.
		16	Semester Tota	l Hours				

Symbols Key

Critical ('!'): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR -Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 -Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy demonstrate language proficiency in a language other than & Culture; 050 - Creative Arts; 060 - American History; 070 -Government/Political Science; 080 - Social and Behavioral Sciences; 090 - six credits. Computer Application; 090 - Interdisciplinary ;090 - Science Labs; 090 -Wellness.

Language Proficiency Requirement: Student is required to English at the undergraduate level equivalent to a minimum of

	! H Course # Course Title	Min. GE	^c Prerequisite	Additional Notes
	3 PHYS 3303 Thermodynamics		MATH 2415 and either PHYS 2412 or PHYS 2426.	Physics core requirement.
	3 PHYS 3311 Math Methods in Physics I		MATH 3341.	Physics core requirement.
FALL	3 PHYS X3XX Major Advanced Elective			See Degree Plan for course options.
R R	3 PHYS X3XX Major Advanced Elective			See Degree Plan for course options.
/EA	3 XXXX X3XX Minor			
í g	15 Semester Total Hours			
THIRD	4 PHYS 3404 Optics		MATH 2415 and either PHYS 2412 or PHYS 2426.	Physics core requirement.
Fo	3 PHYS 4305 Statistical Mechanics		PHYS 3303 and PHYS 3311.	
Ň.	3 PHYS X3XX Major Advanced Elective			See Degree Plan for course options.
SPRING	3 XXXX X3XX Language, Philosophy & Culture	04	0	See General Education Core for course options.
o ,	3 XXXX X3XX Minor			
	16 Semester Total Hours			
	H Course # Course Title	Min. GE	^c Prerequisite	Additional Notes
	3 PHYS 4303 Quantum Mechanics I		PHYS 3305 and PHYS 3311.	Physics core requirement.
	PHYS 4101 Laboratory Research		Consent of instructor.	CapStone Course; Choose either PHYS 4101 or 4201.
4R FALL	2 PHYS 4201 Advanced Physics Lab		Consent of instructor.	CapStone Course; Choose either PHYS 4101 or 4201.
YEA F	3 PHYS 3301 Electromagnetic Theory I		MATH 2415 and either PHYS 2426 or PHYS 2412.	Physics core requirement.
≻ I	3 XXXX X3XX Minor (Advanced)			
RT	3 XXXX X3XX Minor (Advanced)			
OURTH	14 Semester Total Hours			
	3 PHYS 3302 Electromagnetic Theory II		PHYS 3301.	
U U	PHYS 4101 Laboratory Research		Consent of instructor.	Not needed if PHYS 4201 taken.
Ň.	3 PHYS 4304 Quantum Mechanics II		PHYS 4303.	
SPRING	3 PHYS X3XX Major Advanced Elective			See Degree Plan for course options.
	3 XXXX X3XX Minor (Advanced)			
	12 Semester Total Hours			

Graduation Requirements

121 TOTAL HOURS (58) TOTAL ADVANCED HOURS Approved: October 2015 Revised: Thursday, August 13, 2015