

CURRICULUM FOR BACHELOR OF SCIENCE IN CHEMISTRY AND PHYSICS

PHYSICS OPTION

(120-CREDIT HOURS)

Minimum Grade of "C" in ALL Physics, Chemistry and Mathematics Courses

FALL SEMESTER					SPRING SEMESTER			
FRESHMAN YEAR								
English Composition I	ENGL	1311	3		English Composition II	ENGL	1321	3
General Chemistry I	CHEM	1330	3		General Chemistry II	CHEM	1340	3
General Chemistry I Lab	CHEM	1130	1		General Chemistry II Lab	CHEM	1140	1
College Algebra OR	MATH	1330	3		Calculus I	MATH	2510	5
College Trigonometry OR	MATH	1340			Personal Health & Safety OR	HLPE	1310	3
Pre-Calculus	MATH	1550			Nutrition and Wellness	HUSC	1311	
Physical Education Elective	HLPE	1110-1125	1					
General Psychology OR	PSYC	2300	3					
Intro to Social Sciences	SOCI	1320						
			14-16					15
SOPHOMORE YEAR								
U.S. History OR	HIST	2315	3		Art History Appreciation OR	ART	2340	3
American Government	PSCI	2312			Music History Appreciation	MUSI	2330	
Calculus II	MATH	2520	5		Oral Communication	MCOM	2390	3
Humanities OR	HUMN	2301	3		English Literature	ENGL	2300/2360/2361	3
Effective Thinking/Logic OR	HUMN	2340			Principles of Economics OR	ECON	2310	3
Theatre Appreciation	THTR	2324			Introduction to Sociology	SOCI	2310	
Career & Life Planning	BAS	1120	1		University Physics II	PHYS	3320	3
University Physics I	PHYS	3310	3		University Physics II Lab	PHYS	3120	1
University Physics I Lab	PHYS	3110	1					
			16					16
JUNIOR YEAR								
Comp Sci/Vis Basic	CPSC	2322	3		Intro to Computer Prog.	CPSC	2363	3
Thermodynamics	PHYS	4341	3		Electricity /Magnetism	PHYS	4311	3
Analytical Mechanics I	PHYS	4321	3		Modern Physics	PHYS	4331	3
Math Methods in Physics	PHYS	4361	3		Differential Equation	MATH	4320	3
Foreign Language I	MDFL		3		Foreign Language II	MDFL		3
			15					15
SENIOR YEAR								
Advanced Laboratory I	PHYS	4350	3		Quantum Mechanics	PHYS	4347	3
Space Physics	PHYS	4346	3		Optics	PHYS	4345	3
Physics Seminar	PHYS	4221	2		Intro to Solid State	PHYS	4352	3
Research	PHYS	4210	2		Principles of Biology	BIOL	1455	4
Nuclear Physics	PHYS	4342	3		Physical Education Elective OR	HLPE	1110-1125	1
Personal & Social Dev	BAS	1210	2		Learning to Lead 1 (for 1-hr PE)	MLSC	1210	
			15					14

School of Arts and Sciences
Department of Chemistry and Physics
Bachelor of Science Degree in Chemistry and Physics-
Physics Concentration (120-Credit Hours)

A Minimum Grade of C is required for All Physics, Chemistry and Mathematics Courses

DATE OF ENTRY: I.D. NUMBER Email:

NAME: ADDRESS:

HOME TELEPHONE: WORK: CELL:

COURSE	HRS	COURSE	HRS
General Education Institutional Requirement (3-Hrs)		Communication (12-Hours)	
___ BAS 1210 Personal and Social Development	2	___ ENGL 1311 English Composition I	3
___ BAS 1120 Career and Life Planning	1	___ ENGL 1321 English Composition II	3
Mathematics & Natural Sciences (11-13 Hours)		___ MCOM 2390 Oral Communication	3
___ BIOL 1455 Principles of Biology	4	Select 1 course from the following:	3
___ CHEM 1330 General Chemistry I	3	___ ENGL 2300 Introduction to Literature	
___ CHEM 1130 General Chemistry I Lab	1	___ ENGL 2360 World Literature I	
Select 1 course from the following:	3-5	___ ENGL 2361 World Literature II	
___ MATH 1330 College Algebra		Additional Requirement Courses (50-Hours)	
___ MATH 1340 College Trigonometry		___ CPSC 2322 Special Topics: Visual Basic	3
___ MATH 1550 Pre-Calculus I		___ CPSC 2363 Intro. to Business Programming	3
Humanities (6-Hours)		___ Foreign Language I	3
Select 2 courses from the following:	6	___ Foreign Language II	3
___ ART 2340 Art Appreciation		___ CHEM 1340 General Chemistry II	3
___ MUSI 2330 Music Appreciation		___ CHEM 1140 General Chemistry II Lab	1
___ HUMN 2301 Humanities		___ MATH 2510 Calculus I	5
___ HUMN 2340 Effective Thinking / Logic		___ MATH 2520 Calculus II	5
___ THTR 2324 Theatre Appreciation		___ PHYS 3310 University Physics I	3
Social Sciences (9-Hours)		___ PHYS 3110 University Physics I Lab	1
Select 1 course from the following:	3	___ PHYS 3320 University Physics II	3
___ HIST 2315 U. S. History to 1877		___ PHYS 3120 University Physics II Lab	1
___ HIST 2318 U. S. History Since 1877		___ MATH 4320 Differential Equations	3
___ PSCI 2312 American Government		___ PHYS 4210 Physics Research I	2
Select 2 from the following	6	___ PHYS 4221 Physics Seminar	2
___ ECON 2310 Principles of Economics I		___ PHYS 4311 Electricity/Magnetism	3
___ PSYC 2300 General Psychology		___ PHYS 4321 Analytical Mechanics	3
___ SOCI 1320 Introduction to Social Science		___ PHYS 4331 Modern Physics	3
___ SOCI 2310 Introduction to Sociology		Physics Option (24-Hours)	
Health & Physical Education (5-Hours)		___ PHYS 4341 Thermodynamics	3
Select 1 course from the following:	3	___ PHYS 4345 Optics	3
___ HUSC 1311 Nutrition and Wellness		___ PHYS 4346 Space Physics	3
___ HLPE 1310 Personal Health & Safety		___ PHYS 4347 Quantum Mechanics	3
Select any 1 from the following:	2	___ PHYS 4350 Advanced Laboratory	3
___ HLPE 1110 through HLPE 1125 Phys. Educ.		___ PHYS 4352 Intro to Solid State	3
___ MLSC 1210: Learning to Lead I (for 1 hour PE)		___ PHYS 4361 Math Methods in Physics	3
		___ PHYS 4342 Nuclear Physics	3

CHECKLIST OF COMPLETION:

___ AAGE (Rising Junior Exam) ___ Senior Comprehensive Exam
___ Exit University College ___ English Proficiency Exam

A Minimum Grade of C is required for All Courses in Physics AND Mathematics Courses.

SIGNATURES:

Student: Date:
Advisor: Date:
Chair: Date:
Dean: Date: