

CURRICULLUM FOR BACHELOR OF SCIENCE IN CHEMISTRY AND PHYSICS

Nanoscience Option (121-Credit Hours)

Minimum Grade of "C" in ALL Nanoscience, 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		Principles of Biology	BIOL	1455	4
Pre-Calculus	MATH	1550					
General Psychology OR	PSYC	2300	3				
Intro to Social Sciences	SOCI	1320					
Career & Life Planning	BAS	1120	1				
14-16				16			
SOPHOMORE YEAR							
Fund. of Organic Chemistry	CHEM	2312	3	U.S. History OR	HIST	2315	3
Fund. of Organic Chemistry Lab	CHEM	2112	1	American Government	PSCI	2312	
Calculus II	MATH	2520	5	Introduction to Nanoscience I	NANO	3310	3
Personal & Social Dev	BAS	1210	2	Biochemistry I	CHEM	3313	3
University Physics I	PHYS	3310	3	Biochemistry I Lab	CHEM	3113	1
University Physics I Lab	PHYS	3110	1	Physical Education Elective OR	HLPE	1110-1125	1
				Learning to Lead I (for 1-hr PE)	MLSC	1210	
				University Physics II	PHYS	3320	3
				University Physics II Lab	PHYS	3120	1
15				15			
JUNIOR YEAR							
Comp Sci/Vis Basic	CPSC	2322	3	Intro to Computer Program	CPSC	2363	3
Art History Appreciation OR	ART	2340	3	Electricity & Magnetism	PHYS	4311	3
Music History Appreciation	MUSI	2330		Modern Physics	PHYS	4331	3
Mathematical Methods in Physics	PHYS	4361	3	Foreign Language II	MDFL		3
Introduction to Nanoscience II	NANO	3320	3	English Literature	ENGL	2300/2360/2361	3
Introduction to Nanoscience Lab	NANO	3120	1				
Foreign Language I	MDFL		3				
16				15			
SENIOR YEAR							
Chemical/Biochemical Principles of Nanoscience	NANO	4312	3	Oral Communication	MCOM	2390	3
Physical Principles of Nanoscience	NANO	4311	3	Nano Research	NANO	4210	2
Introduction to Material Science	NANO	4313	3	Nanoscale Optics and Spectroscopy	NANO	4315	3
Principles of Economics OR	ECON	2310	3	NANO Elective	NANO		3
Introduction to Sociology	SOCI	2310		Nano Seminar	NANO	4110	1
Humanities OR	HUMN	2301	3	Personal Health & Safety OR	HLPE	1310	3
Effective Thinking/Logic OR	HLMN	2340		Nutrition and Wellness	HLSC	1311	
Theatre Appreciation	THIR	2324					
15				15			