

**BS PHYSICS**

**SAMPLE 4-YEAR COURSE PLAN**

**STARTING WITH MATH 1411**

<b>FRESHMEN YEAR</b>					
<b>Fall Semester</b>		<b>Spring Semester</b>		<b>Summer Sessions</b>	
MATH 1411 - Calculus I	4	MATH 1312 - Calculus II	3	CHEM 1305 & 1105 - General Chemistry I w/ Lab	4
PHYS 2420 - Introduction to Mechanics & Lab	4	PHYS 2421 - Intro. To Electromagnetism	4	CHEM 1306 & 1106 - General Chemistry II w/ Lab	4
UNIV 1301 - Seminar for Critical Inquiry	3	PHYS 2210 - Vibrations and Waves	2		
RWS 1301 - Rhetoric and Writing I	3	RWS 1302 - Rhetoric & Writing II	3		
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>12</b>	<b>TOTAL</b>	<b>8</b>
<b>SOPHOMORE YEAR</b>				34	
<b>Fall Semester</b>		<b>Spring Semester</b>		<b>Summer Sessions</b>	
MATH 2326 - Differential Equations	3	MATH 2313 - Calculus III	3		
PHYS 2230 - Thermal and Fluid Physics	2	PHYS 3243 - Advanced Laboratory Practice	2		
PHYS 2325 - Survey of Modern Physics	3	PHYS 3323 - Physical Optics	3		
CS 1320 - Computer Programming Sci/Engr	3	HIST 1302 - History of U. S. Since 1865	3		
HIST 1301 - History of the U. S. to 1865	3	Language, Philosophy, & Culture Core Component	3		
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>0</b>
<b>JUNIOR YEAR</b>				28	
<b>Fall Semester</b>		<b>Spring Semester</b>		<b>Summer Sessions</b>	
PHYS 3351 - Analytical Mechanics I	3	3 Credit Elective	3		
PHYS 3243 - Advanced Laboratory Practice	2	MATH 3335 - Applied Analysis I	3		
MATH 3323 - Matrix Algebra	3	PHYS 3352 - Analytical Mechanics II	3		
Creative Arts Core Component	3	PHYS 3331 - Thermal Physics	3		
3 Credit Elective	3	Social & Behavioral Sciences Core Component	3		
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>0</b>
<b>SENIOR YEAR</b>				29	
<b>Fall Semester</b>		<b>Spring Semester</b>		<b>Summer Sessions</b>	
PHYS 4355 - Introductory Quantum Mechanics	3	PHYS 3280 - Physics Seminar	2		
PHYS 4341 - Electromagnetism I	3	POLS 2311 - American Government & Politics	3		
MATH Elective (4329 or 4336)	3	PHYS 4342 - Electromagnetism II	3		
POLS 2310 - Introduction to Politics	3	PHYS 4356 - Atoms, Molecules, Solids	3		
3 Credit Elective	3	3 Credit Elective	3		
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>0</b>

Note: This degree is a sample; your individualized degree plan may differ.

If you did not place in to MATH 1411 (Calculus), register for MATH 1508 (Precalculus) prior to the freshmen year.

If you have any questions about this degree, please contact the College of Science Advising Center at (915) 747-8027.

**MATH 1508 does not count in 120 hours**