

**BS PHYSICS - APPLIED PHYSICS CONCENTRATION**

**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	
PHYS 2420 - Introduction to Mechanics & Lab	4	PHYS 2421 - Introductory Electromagnetism & Lab	4	
CHEM 1305-1105 - General Chemistry I & Lab	4	CHEM 1306-1106 - General Chemistry II & Lab	4	
SCI 1301 - Inquiry into Math & Science	3	RWS 1301 - Rhetoric and Writing I	3	
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>
				<b>0</b>
<b>29</b>				
<b>SOPHOMORE YEAR</b>				
<b>Fall Semester</b>		<b>Spring Semester</b>		<b>Summer Sessions</b>
MATH 2326 - Differential Equations	3	MATH 2313 - Calculus III	3	HIST 1301 - US History to 1865
PHYS 2230 - Thermal and Fluid Physics	2	PHYS 3243 - Advanced Lab Practice	2	HIST 1302 - US History after 1865
PHYS 2325 - Survey of Modern Physics	3	PHYS 3323 - Physical Optics	3	
CS 1301 - Introduction to Computer Science	3	ART 1300 - Art Appreciation	3	
PHIL 2306 - Ethics	3	RWS 1302 - Rhetoric & Writing II	3	
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>
				<b>6</b>
<b>34</b>				
<b>JUNIOR YEAR</b>				
<b>Fall Semester</b>		<b>Spring Semester</b>		<b>Summer Sessions</b>
PHYS 3351 - Analytical Mechanics	3	MATH 3323 - Matrix Algebra	3	POLS 2310 - (Introduction to Politics)
PSYC 1301 - Introduction to Psychology	3	MATH 4336 - App Analysis II	3	POLS 2311 - American Government & Politics
COMM 1301 - Public Speaking	3	PHYS 3331 - Thermal Physics	3	
MATH 3335 - Applied Analysis I	3	PHYS 3243 - Advanced Lab Practice	2	
Elective	2	Elective	3	
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>
				<b>6</b>
<b>34</b>				
<b>SENIOR YEAR</b>				
<b>Fall Semester</b>		<b>Spring Semester</b>		<b>Summer Sessions</b>
PHYS 4355 - Quantum Mechanics	3	Electives	6	
PHYS 4341 - Electromagnetic	3	Upper-Division Physics course	3	
Upper-Division Physic Courses	6	PHYS 3280 - Physics Seminar	2	
<b>TOTAL</b>	<b>12</b>	<b>TOTAL</b>	<b>11</b>	<b>TOTAL</b>
				<b>0</b>
<b>23</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.