

THE UNIVERSITY OF TEXAS AT EL PASO - COLLEGE OF SCIENCE

NCM 6-22-15

**BS PHYSICS - Pre Med Track**

**SAMPLE 4-YEAR COURSE PLAN**

**STARTING WITH MATH 1508**

<b>FRESHMEN YEAR</b>				
<b>Fall Semester</b>		<b>Spring Semester</b>		<b>Summer Sessions</b>
MATH 1508 - Precalculus	5	MATH 1411 - Calculus I	4	
BIOL 1305 - 1107 - General Biology I & Lab	4	PHYS 2420 - Introductory Mechanics & 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>16</b>	<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>
				<b>0</b>
				31
<b>SOPHOMORE YEAR</b>				
<b>Fall Semester</b>		<b>Spring Semester</b>		<b>Summer Sessions</b>
MATH 1312 - Calculus II	3	MATH 2326 - Differential Equations	3	HIST 1301 (US History to 1865) - Core
PHYS 2230 - Thermal and Fluid Physics	2	PHYS 3243 - Advanced Lab Practices	2	HIST 1302 (US History after 1865) - Core
PHYS 2421 - Introductory Electromagnetism	4	ART 1300 - Art Appreciation	3	
BIOL 1306 - 1108 - General Biology II & Lab	4	RWS 1302 - Rhetoric & Writing II	3	
PHIL 2306 - Ethics	3	MATH 2313 - Calculus III	3	
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>
				<b>6</b>
				36
<b>JUNIOR YEAR</b>				
<b>Fall Semester</b>		<b>Spring Semester</b>		<b>Summer Sessions</b>
COMM 1301 - Public Speaking	3	PHYS 3323 - Physical Optics	3	POLS 2310 (Introduction to Politics) - Core
PHYS 3351 - Analytical Mechanics	3	MATH 3335 - Applied Analysis I	3	POLS 2311 (American Government & Politics) - Core
PSYC 1301 - Introduction to Psychology	3	CHEM 2325-2125 - Organic Chemistry II & Lab	4	
PHYS 2325 - Survey of Modern Physics	3	PHYS 3331 - Thermal Physics	3	
CHEM 2324-2124 - Organic Chemistry I & Lab	4			
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>13</b>	<b>TOTAL</b>
				<b>6</b>
				35
<b>SENIOR YEAR</b>				
<b>Fall Semester</b>		<b>Spring Semester</b>		<b>Summer Sessions</b>
PHYS 4355 - Introductory Quantum Mechanics	3	PHYS 3280 - Physics Seminar	1	
BIOL 3320 - Genetics	3	CHEM 3330 - Biochemistry	3	
PHYS 4341 - Electromagnetics I	3	BIOL 3316-3117 - Molecular Cell Biology	4	
PHYS 4370 - Health Physics I	3	PHYS 4371 - Health Physics II	3	
<b>TOTAL</b>	<b>12</b>	<b>TOTAL</b>	<b>11</b>	<b>TOTAL</b>
				<b>0</b>
				23

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.

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

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