

THE UNIVERSITY OF TEXAS AT EL PASO - COLLEGE OF SCIENCE

NCM 6-23-15

BS PHYSICS - Medical Physics Concentration

SAMPLE 4-YEAR COURSE PLAN

STARTING WITH MATH 1508

FRESHMEN YEAR					
Fall Semester		Spring Semester		Summer Sessions	
MATH 1508 - Precalculus	5	MATH 1411 - Calculus I	4		
COMM 1301 - Public Speaking	3	PHYS 2420 - Introductory Mechanics	4		
BIOL 1305-1107 - General Biology I	4	BIOL 1306-1108 - General Biology II	4		
SCI 1301 - Inquiry into Math & Science	3	RWS 1301 - Rhetoric and Writing I	3		
TOTAL	15	TOTAL	15	TOTAL	0
30					
SOPHOMORE YEAR					
Fall Semester		Spring Semester		Summer Sessions	
MATH 1312 - Calculus II	3	MATH 2313 - Calculus III	3	HIST 1301 (US History to 1865) - Core	3
PHYS 2230 - Thermal and Fluid Physics	2	PHYS 3243 - Advanced Lab Practices	2	HIST 1302 (US History after 1865) - Core	3
RWS 1302 - Rhetoric & Writing II	3	MATH 2326 - Differential Equations	3		
PHYS 2421 - Introductory Electromagnetism	4	PHYS 3331 - Thermal Physics	3		
PHIL 2306 - Ethics	3	PHYS 2210 - Vibrations and Waves	2		
TOTAL	15	TOTAL	13	TOTAL	6
34					
JUNIOR YEAR					
Fall Semester		Spring Semester		Summer Sessions	
PHYS 2325 - Survey of Modern Physics	3	PHYS 3323 - Physical Optics	3	POLS 2310 (Introduction to Politics) - Core	3
PHYS 3351 - Analytical Mechanics	3	PHYS 3352 - Analytical Mechanics II	3	POLS 2311 (American Government & Politics) - Core	3
PSYC 1301 - Introduction to Psychology	3	MATH 3323 - Matrix Algebra	3		
MATH 3335 - Applied Analysis I	3	ART 1300 - Art Appreciation	3		
PHYS 3243 - Advanced Lab Practices	2				
TOTAL	14	TOTAL	12	TOTAL	6
32					
SENIOR YEAR					
Fall Semester		Spring Semester		Summer Sessions	
PHYS 4355 - Introductory Quantum Mechanics	3	PHYS 3280 - Physics Seminar	2		
PHYS 3360 - Computational Physics	3	PHYS 4342 - Electromagnetics II	3		
PHYS 4341 - Electromagnetics I	3	PHYS 4371 - Health Physics II	3		
PHYS 4370 - Health Physics I	3	PHYS 4356 - Atoms, Nuclei, and Particles	3		
MATH Elective (4336 or 4329)	3	3 Credit Elective	3		
TOTAL	15	TOTAL	14	TOTAL	0
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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

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