

BS PHYSICS - Medical Physics Concentration

SAMPLE 4-YEAR COURSE PLAN

STARTING WITH MATH 1508

FRESHMEN YEAR					
Fall Semester		Spring Semester		Summer Sessions	
MATH 1411 - Calculus I	4	MATH 1312 - Calculus II	3		
PHYS 2420 - Introduction to Mechanics	4	PHYS 2421 - Intro. Electromagnetism	4		
BIOL 1305-1107 - General Biology I	4	BIOL 2311 & 2111 - Human Anatomy/Physiology w/ Lab	4		
SCI 1301 - Inquiry into Math & Science	3	RWS 1301 - Rhetoric and Writing I	3		
TOTAL	15	TOTAL	14	TOTAL	0
SOPHOMORE YEAR					
Fall Semester		Spring Semester		Summer Sessions	
MATH 2326 - Differential Equations	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 Practice	2	HIST 1302 (US History after 1865) - Core	3
PHYS 2325 - Survey of Modern Physics	3	PHYS 2210 - Vibrations and Waves	2		
RWS 1302 - Rhetoric & Writing	3	PHYS 3323 - Physical Optics	3		
PHIL 2306 - Ethics	3	ART 1300 - Art Appreciation	3		
TOTAL	14	TOTAL	13	TOTAL	6
JUNIOR YEAR					
Fall Semester		Spring Semester		Summer Sessions	
PHYS 3351 - Analytical Mechanics	3	COMM 1301 - Public Speaking	3	POLS 2310 (Introduction to Politics) - Core	3
PSYC 1301 - Introduction to Psychology	3	PHYS 3331 - Thermal Physics	3	POLS 2311 (American Government & Politics) - Core	3
PHYS 3243 - Advanced Laboratory Practice	2	MATH 3323 - Matrix Algebra	3		
MATH 3335 - Applied Analysis I	3	PHYS 3352 - Analytical Mechanics II	3		
3 Credit Elective	3				
TOTAL	14	TOTAL	12	TOTAL	6
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		
TOTAL	12	TOTAL	14	TOTAL	0

29

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26

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

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

120