

THE UNIVERSITY OF TEXAS AT EL PASO - COLLEGE OF SCIENCE

NCM 6-22-15

BS PHYSICS

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	
Language, Philosophy, & Culture Core Component	3	PHYS 2420 - Introduction to 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 & 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 Practice	2	HIST 1302 (US History after 1865) - Core 3
RWS 1302 - Rhetoric & Writing II	3	3 Credit Elective	3	
PHYS 2421 - Intro. Electromagnetism & Lab	4	MATH 2326 - Differential Equations	3	
Creative Arts Core Component	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	MATH 3323 - Matrix Algebra	3	POLS 2310 (Introduction to Politics) - Core 3
PHYS 3351 - Analytical Mechanics I	3	PHYS 3323 - Physical Optics	3	POLS 2311 (American Government & Politics) - Core 3
Social & Behavioral Sciences Core Component	3	PHYS 3352 - Analytical Mechanics II	3	
CS 1320 - Computer Programming Sci/Engr	3	PHYS 3331 - Thermal Physics	3	
MATH 3335 - Applied Analysis I	3	PHYS 3243 - Advanced Lab Practice	2	
TOTAL	15	TOTAL	14	TOTAL 6
35				
SENIOR YEAR				
Fall Semester		Spring Semester		Summer Sessions
PHYS 4355 - Introductory Quantum Mechanics	3	PHYS 3280 - Physics Seminar	2	
PHYS 4341 - Electromagnetics I	3	MATH Elective (4329 or 4336)	3	
3 Credit Elective	3	PHYS 4342 - Electromagnetics II	3	
3 Credit Elective	3	PHYS 4356 - Atoms, Molecules, Solids	3	
TOTAL	12	TOTAL	14	TOTAL 0
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

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