

THE UNIVERSITY OF TEXAS AT EL PASO - COLLEGE OF SCIENCE

NCM 6-22-15

BS PHYSICS - APPLIED 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	
RWS 1301 - Rhetoric and Writing I	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 1302 - Rhetoric & Writing II	3	
TOTAL	15	TOTAL	15	TOTAL
				0
				30
SOPHOMORE YEAR				
Fall Semester		Spring Semester		Summer Sessions
MATH 1312 - Calculus II	3	MATH 2326 - Differential Equations	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
ART 1300 - Art Appreciation	3	MATH 2313 - Calculus III	3	
PHYS 2421 - Introductory Electromagnetism	4	CS 1320 - Computer Programming Sci/Engr	3	
PHIL 2306 - Ethics	3	Elective	2	
TOTAL	15	TOTAL	13	TOTAL
				6
				34
JUNIOR YEAR				
Fall Semester		Spring Semester		Summer Sessions
PHYS 2325 - Survey of Modern Physics	3	MATH 3335 - Applied Analysis	3	POLS 2310 - (Introduction to Politics)
PHYS 3351 - Analytical Mechanics	3	MATH 4336 - Applied Analysis II	3	POLS 2311 - American Government & Politics
PSYC 1301 - Introduction to Psychology	3	PHYS 3331 - Thermal Physics	3	
COMM 1301 - Public Speaking	3	PHYS 3243 - Advanced Lab Practice	2	
MATH 3323 - Matrix Algebra	3	PHYS 3323 - Physical Optics	3	
TOTAL	15	TOTAL	14	TOTAL
				6
				35
SENIOR YEAR				
Fall Semester		Spring Semester		Summer Sessions
PHYS 4355 - Quantum Mechanics	3	Electives	9	
PHYS 4341 - Electromagnetism I	3	Upper-Division Physics course	3	
Upper-Division Physics Courses	6	PHYS 3280 - Physics Seminar	2	
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

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

125