

THE UNIVERSITY OF TEXAS AT EL PASO - COLLEGE OF SCIENCE

NCM 6-22-15

BS PHYSICS - ATMOSPHERIC 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	
SCI 1301 - Inquiry into Math & Science	3	PHYS 2420 - Introduction to Mechanics & Lab	4	
CHEM 1305-1105 - General Chemistry I & Lab	4	CHEM 1306-1106 - General Chemistry II & Lab	4	
RWS 1301 - Rhetoric and Writing I	3	RWS 1302 - Rhetoric & Writing II	3	
TOTAL	15	TOTAL	15	TOTAL
				0
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
PHYS 2230 - Thermal and Fluid Physics	2	PHYS 3243 - Advanced Lab Practices	2	HIST I302 (US History after 1865) - Core
PHYS 2421 - Introductory Electromagnetism & Lab	4	COMM 1301 - Public Speaking	3	
ART 1300 - Art Appreciation	3	PHYS 2210 - Vibrations and Waves	2	
PHIL 2306 - Ethics	3	MATH 2326 - Differential Equations	3	
TOTAL	15	TOTAL	13	TOTAL
				6
JUNIOR YEAR				
Fall Semester		Spring Semester		Summer Sessions
PHYS 3351 - Analytical Mechanics I	3	MATH 3323 - Matrix Algebra	3	POLS 2310 (Introduction to Politics) - Core
PSYC 1301 - Introduction to Psychology	3	PHYS 3323 - Physical Optics	3	POLS 2311 (American Government & Politics) - Core
PHYS 4327 - Atmospheric Physics	3	PHYS 3352 - Analytical Mechanics II	3	
MATH 3335 - Applied Analysis I	3	PHYS 3331 - Thermal Physics	3	
PHYS 2325 - Survey of Modern Physics	3	PHYS 3243 - Advanced Lab Practices	2	
TOTAL	15	TOTAL	14	TOTAL
				6
SENIOR YEAR				
Fall Semester		Spring Semester		Summer Sessions
PHYS 4355 - Introductory Quantum Mechanics	3	PHYS 3280 - Physics Seminar	2	
PHYS 4341 - Electromagnetics I	3	PHYS 4330 - Fluid Dyanics	3	
MATH Elective - (4336 or 4329)	3	PHYS 4342 - Electromagnetics II	3	
PHYS 4329 - Atmospheric Radiations	3	PHYS 4356 - Atoms, Molecules, Solids	3	
GEOP 4306 Meteorology	3			
TOTAL	15	TOTAL	11	TOTAL
				0

Note: This degree is a sample; your individualized degree plan may differ.

MATH 1508 does not count in 120 hours

125

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