

2010-2012 Physics Degree Plan

Bachelor of Science

Need 51 Upper Division Hours to Graduate

STUDENT NAME:						
STUDENT ID:						
Course Title	Course Name	HR	UTD	Grade	Transfer	
Core Curriculum 44 Hours (41 Lower Division, 3 Upper Division)						
Freshman Seminar	UNIV 1010	0				
Rhetoric (Composition II)	RHET 1302	3				
Advanced Writing or Senior Honors	NATS 4310 ¹	3				
US & Texas History	HIST 1301	3				
US & Texas History	HIST 1302	3				
US/TX Government	GOVT 2301	3				
US/TX Government	GOVT 2302	3				
Humanities***		3				
Visual & Performing Arts***		3				
Social & Behavioral Science***		3				
Calculus I or Differential Cal	MATH 2417 or MATH 2413	4				
Calculus II or Integral Cal	MATH 2419 or MATH 2414	4				
Chemistry I	CHEM 1311	3				
Chemistry Lab I	CHEM 1111	1				
Chemistry II	CHEM 1312	3				
Chemistry Lab II	CHEM 1112	1				
Major Core Courses (20 Lower Division Hours)						
Fun of Physics	PHYS 1100	1				
Multivariable Cal or Cal of Several Var.	MATH 2451 or MATH 2415	4				
Linear Algebra	MATH 2418	4				
Differential Equations	MATH 2420	4				
Contemporary Physics	PHYS 2303	3				
Mechanics	PHYS 2325 or PHYS 2421	3				
Mechanics Lab	PHYS 2125	1				
Electromagnetism & Waves	PHYS 2326 or PHYS 2422	3				
Electromagnetism & Waves Lab	PHYS 2126	1				

*** Academic Advisor for Recommended Courses.

¹ The Advanced Writing requirement may be satisfied by taking either NATS 4310, PHYS 4390, or PHYS 4399.

PREPARED BY:						
DATE:						
Course Title	Course Name	HR	UTD	Grade	Transfer	
Physics Core Classes (41 upper division hours)						
Theoretical Physics	PHYS 3411	4				
Classical Mechanics	PHYS 3312	3				
Numerical Methods	PHYS 3330	3				
Modern Physics I	PHYS 3352	3				
Electricity & Magnetism	PHYS 3416	4				
Electronics	PHYS 3325	3				
Electronics Lab	PHYS 3125	1				
Thermo & Statistical Mech	PHYS 4311	3				
Physical Measurements Lab	PHYS 4373	3				
Quantum Mechanics I	PHYS 4301	3				
Optics	PHYS 4328	3				
Modern Physics II	PHYS 4352	3				
Physics Electives 6 Hours						
		3				
		3				
Advanced Electives 6 Hrs (Outside of Major & Upper division hours)						
Free Electives 12 hrs (UD electives can be used to satisfy 51 UD requirement)						