

West Texas A&M University
STARR Center
Degree Checklist
2008-2009

NAME: _____ WT ID: _____ DATE: _____

Physics
Department of Mathematics, Chemistry and Physics
FAB 165 651-2540

CORE CURRICULUM COURSES: 31 HOURS ♦ Number of hours does not include specific core requirements listed below.		HRS	
Communication (10)			
ENGL 1301 (ENG 101); 1302* (ENG 102) or 2311* (ENG 270)	6		
Communication (11)			
SCOM 1315 (101), 1318 (103), or 1321 (201)	3		
Mathematics (20)			
See University Core Requirements below	(3)		
Natural Sciences (30)			
See University Core Requirements below	(8)		
Humanities (40-41)			
ENGL 2321* (NEW), 2326* (NEW), 2331* (NEW), 2341* (NEW), 2343* (NEW); HIST 2311 (110), 2372 (210); MCOM 1307 (MC 107); PHIL 1301 (101), 2374 (204); or SPAN 2312*/** (207) Choose 1	3		
Visual and Performing Arts (50)			
HUMA 1315 (FA 101); ARTS 1303 (ART 151), ARTS 1304 (ART 152); DANC 2303 (NEW); MUSI 1306 (MUS 101) or 1208 and 1209; or THRE 1310 (105) Choose 1	3		
Social and Behavioral Sciences (60)			
HIST 1301 (201), 1302 (202), 2301 Choose 2	6		
Social and Behavioral Sciences (70)			
POSC 2305 (101) or POSC 2370 (NEW); 2306 (102)	6		
Social and Behavioral Sciences (80)			
AGBE 2317 (213), ANTH 2351 (201); CRIJ 1301 (CJ 105); ECON 2301 (ECO 201), 2302 (ECO 202), 2371; GEOG 1302 (202); PSYC 2301 (PSY 201); SCOM 2377 (255); SOCI 1301 (201); or SOCW 2361 (SOWK 201) Choose 1	3		
Institutionally Designated Option (90)			
PHED 1111 (SES 101); PHED/ANSC activity course; DANC 1241 (1070), 2241* (2370); MUEN 1026 Upon written recommendation of the University physician or the coordinator for Student Disability Services, students may substitute a one hour elective course in lieu of physical education course.	1-2		
PHYSICS REQUIREMENTS: 73-74 HOURS Courses required for a degree in Physics.			
UNIVERSITY CORE REQUIREMENTS: 11 HOURS			
CORE 20 MATH 1314* (110) or 1324* (115)	3		
CORE 30 CHEM 1411*, 1411L (101,101L) Chemistry I	4		
CORE 30 CHEM 1412*, 1412L (102, 102L) Chemistry II	4		
PHYSICS REQUIREMENTS: 62-63 HOURS			
PHYS 2425*, 2425L (210) Engineering Physics I	4		
PHYS 2426*, 2426L (211) Engineering Physics II	4		
PHYS 2427, 2427L (new) Engineering Physics III	4		
PHYS 3310* (310) Modern Physics I	3		
PHYS 3320* (320) Thermodynamics	3		
PHYS 3330* (330) Mechanics I	3		
PHYS 3340* (340) Electricity and Magnetism I	3		
PHYS 4320* (420) Quantum Mechanics I	3		
PHYS 4330* (430) Optics	3		

Bachelor of Arts Degree
BA.PHYSICS (118)

PHYS 4340* (440) Mathematical Methods	3		
Take three courses from: PHYS 3450* (NEW) Advanced Laboratory Techniques PHYS 4310* (410) Modern Physics II PHYS 4350* (NEW) Computational Physics PHYS 4360* (NEW) Nuclear Physics PHYS 4370* (NEW) Solid State Physics PHYS 4380* (NEW) Astrophysical Measurement Techniques	9-10		
MATH 2413* (240) Calculus I	4		
MATH 2414* (241) Calculus II	4		
MATH 3340* (340) Calculus III	3		
MATH 3342* (342) Differential Equations I	3		
IDM 1315 (CIS 204, 1315) Programming Fundamentals	3		
MPS 4370* (NEW) Senior Investigations	3		
BACHELOR OF ARTS REQUIREMENTS: 12-14 HOURS OPTION			
Six hours of foreign language.	6-8		
Six hours chosen from art, English, history, modern languages, music, philosophy and theatre.	6		
ELECTIVES: 1-4 HOURS BY ADVISEMENT***			
ELECTIVES	1-4		
TOTAL HOURS REQUIRED TO COMPLETE DEGREE	120		

♦ Core curriculum courses should be taken during the first two years of enrollment. For a list of core courses with descriptions see www.wtamu.edu/starr/.
* Indicates prerequisites—see [catalog](#) for more information.
** Or an equivalent course (second year, second semester) in French or German.
*** MATH 3311 and 4310 are recommended.

Note: This is NOT a degree plan. Upon completion of 60 hours, apply for a degree plan in the office of the dean of the College of Agriculture, Science and Engineering located in the Agriculture and Natural Sciences Building, Room 106, or call 651-2585.