

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

NAME: \_\_\_\_\_ WT ID: \_\_\_\_\_ DATE: \_\_\_\_\_

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

<b>CORE CURRICULUM COURSES: 31 HOURS ♦</b>			
Number of hours does not include specific core requirements listed below. HRS			
<b>Communication (10)</b>			
ENGL 1301 (ENG 101); 1302* (ENG 102) or 2311* (ENG 270)	6		
<b>Communication (11)</b>			
SCOM 1315 (101), 1318 (103), or 1321 (201)	3		
<b>Mathematics (20)</b>			
See University Core Requirements below	(3)		
<b>Natural Sciences (30)</b>			
See University Core Requirements below	(8)		
<b>Humanities (40-41)</b>			
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		
<b>Visual and Performing Arts (50)</b>			
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		
<b>Social and Behavioral Sciences (60)</b>			
HIST 1301 (201), 1302 (202), 2301 Choose 2	6		
<b>Social and Behavioral Sciences (70)</b>			
POSC 2305 (101) or POSC 2370 (NEW); 2306 (102)	6		
<b>Social and Behavioral Sciences (80)</b>			
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 SOWK 2361 (SOWK 201) Choose 1	3		
<b>Institutionally Designated Option (90)</b>			
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		
<b>MATHEMATICS REQUIREMENTS: 58-59 HOURS</b>			
Courses required for a degree in Mathematics.			
<b>UNIVERSITY CORE REQUIREMENTS: 11 HOURS</b>			
<b>CORE 20</b> MATH 1314* (110) or 1324* (115)	3		
<b>CORE 30</b> PHYS 1401*, 1401L (101) and PHYS 1402*, 1402L (102) or PHYS 2425*, 2425L (210) and 2426*, 2426L (211)	8		
<b>MATHEMATICS CORE REQUIREMENTS: 14-15 HOURS</b>			
MATH 1316* (111) Plane Trigonometry MATH 2412 Pre-Calculus Choose 1	3-4		
MATH 2413* (240) Calculus I	4		
MATH 2414* (241) Calculus II	4		
MATH 3306*/*** (306) Computer Mathematics II MATH 3316*/*** (316) Problem Solving and Programming Choose 1	3		
<b>MATHEMATICS MAJOR REQUIREMENTS: 27 HOURS</b>			
MATH 3311* (411) Linear Algebra	3		

**Bachelor of Science Degree**  
**BS.MATH (115)**

MATH 4341* (441) Advanced Calculus	3		
<b>Take six courses from:</b>			
MATH 3321* (321) Probability MATH 3340* (340) Calculus III MATH 3342* (342) Differential Equations I MATH 3343* (343) Differential Equations II MATH 4310* (310) Modern Algebra MATH 4340* (440) Complex Variables I MATH 4361* (461) Engineering Statistics MATH 4362* (492) Introduction to Numerical Analysis	18		
MPS 4370* (NEW) Senior Investigations	3		
<b>ADVANCED ELECTIVES: 6 HOURS****</b>			
ADVANCED ELECTIVES Additional advanced hours to provide a minimum of 36 hours.	6		
<b>BACHELOR OF SCIENCE REQUIREMENTS</b>			
Covered by requirements for major.			<b>OPTION</b>
<b>ELECTIVES: 30-31 HOURS BY ADVISEMENT</b>			
ELECTIVES (ANY LEVEL)		30-31	
<b>TOTAL HOURS REQUIRED FOR DEGREE</b>			<b>120</b>

♦ 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/](http://www.wtamu.edu/starr/).  
\* Indicates prerequisites—see [catalog](#) for more information.  
\*\* Or an equivalent course (second year, second semester) in French or German.  
\*\*\* Mathematics majors seeking teacher certification must take MATH 3306, and those not seeking teacher certification must take MATH 3316.  
\*\*\*\*At least 36 hours of advanced work (courses at the 3000- or 4000-level) are required to receive a bachelor's degree. At least 30 must be earned in residence at WTAMU.

**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.**