

West Texas A&M University
STARR Center
Degree Checklist
2006-2007

NAME: _____ **WT ID:** _____ **DATE:** _____

Mathematics
Department of Mathematics, Physical Sciences and
Engineering - CC 312B 651-2540

CORE CURRICULUM COURSES (42 HOURS)		HRS
ENGL 1301 (ENG 101) (ENGLISH)		3
ENGL 1302* (ENG 102) (ENGLISH)		3
SCOM 1315 (101), 1318 (103), or 1321 (201) (SPEECH COMMUNICATIONS)		3
MATH 1314* (110) or 1324* (115)		3
PHYS 1401*, 1401L (101) or 2425*, 2425L (210) (PHYSICS)		4
PHYS 1402*, 1402L (102) or 2426*, 2426L (211)		4
ENGL 2332* (ENG 201), 2333* (202), 2371* (203); HIST 2372 (210); PHIL 1301 (101); or SPAN 2312**/** (207) (ENGLISH, HISTORY, PHILOSOPHY, SPANISH) Choose 1		3
HUMA 1315 (FA 101); ARTS 1303 (ART 151), ARTS 1304 (ART 152); MUSI 1306 (MUS 101) or 1208 and 1209; or THRE 1310 (105) (FINE ARTS, ARTS, MUSIC, THEATRE) Choose 1		3
HIST 1301 (201) (HISTORY)		3
HIST 1302 (202) (HISTORY)		3
POSC 2305 (101) (POLITICAL SCIENCE)		3
POSC 2306 (102) (POLITICAL SCIENCE)		3
ANTH 2351 (201) ECON 2301 (ECO 201), GEOG 1302 (202), PSYC 2301 (PSY 201), SOCI 1301 (201) (ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, PSYCHOLOGY, SOCIOLOGY) Choose 1		3
PHED 1111 (SES 101) (PHYSICAL EDUCATION) 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
MATHEMATICS CORE REQUIREMENTS (14-15 HOURS)		
MATH 1316* (111) MATH 1348* (140) or 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
MATHEMATICS MAJOR REQUIREMENTS (24 HOURS)		
MATH 3311* (411) Linear Algebra		3
MATH 4341* (441) Advanced Calculus		3
MATH 3321* (321) Probability and Finite Mathematics 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 Choose 6		18
BACHELOR OF ARTS REQUIREMENTS (12 HOURS)		OPTION

Bachelor of Arts/Science Degree
BA.MATH or BS.MATH (115)

Six hours of foreign language.	6-8	
Six hours chosen from art, English, history, modern languages, music, philosophy and theatre.	6	
BACHELOR OF SCIENCE REQUIREMENT (12 HOURS) (COVERED BY MAJOR)		OPTION
Six hours chosen from biology, chemistry, geology, geosciences, mathematics, and physics.	0	
Six hours chosen from agriculture, anthropology, biology, chemistry, computer information systems, economics, geography, geology, geosciences, history, mass communications, mathematics, physics, political science, psychology, sociology, speech, and sports and exercise sciences.	0	
ELECTIVES (28-43 HOURS BY ADVISEMENT****)		
ELECTIVES (ADVANCED)		
ELECTIVES (ANY LEVEL)		
TOTAL HOURS REQUIRED FOR DEGREE	123	

* 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.

Revised 5/06
MATH.BA.BS

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, Nursing, Science and Engineering, located in Old Main, Room 402, or call 651-2585.