NAME:_____   WT ID:_____   DATE:_____

Mathematics
College of Engineering
Classroom Center, Room 420   (806)651-2540

CORE CURRICULUM COURSES: 42 HOURS ♦	HRS	CC
Communication (Core 10)		
ENGL 1301 Intro. to Academic Writing & Argumentation **OR** ENGL 1311 Writing About Ideas	3	
COMM 1315, 1318, or 1321	3	
Mathematics (Core 20)		
See **University Core Requirements** below	(3)	
Life and Physical Sciences (Core 30)		
See **University Core Requirements** below	(6)	
Language, Philosophy and Culture (Core 40)		
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311, 2312*/**, 2313, 2315*/**, or 2371 **Choose 1**	3	
Creative Arts (Core 50)		
ARTS 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307 (for music majors), 1310; or THRE 1310 **Choose 1**	3	
American History (Core 60)		
HIST 1301 **or** 2381, 1302 **or** 2382, 2301 **Choose 2**	6	
Government/Political Science (Core 70)		
POSC 2305 and 2306	6	
Social and Behavioral Sciences (Core 80)		
AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; PSYC 2301; SOCI 1301 **Choose 1**	3	
Component Area Option (Core 90)		
See **University Core Requirements** below	(6)	

MATHEMATICS MAJOR REQUIREMENTS: 59-63 HOURS
A grade of "C" or better must be earned in all courses required for major.

UNIVERSITY CORE REQUIREMENTS: 15 HOURS ♦		
CORE 20 MATH 1314*, 1316*, 1324*, 2412*[3], or 2413*[3]	CC	3
CORE 30 PHYS 1401*[3] and PHYS 1402*[3] **OR** PHYS 2425*[3] and 2426*[3] CC		6
CORE 90 ENGL 1302* or 2311*	CC	3
CORE 90 PHYS 1401L[1] and 1402L[1] **or** 2425L[1] and 2426L[1] **AND** IDS 1071[1], MATH 2412[1], or 2413[1]		3

MATHEMATICS REQUIREMENTS: 44-48 HOURS		
MATH 1316* Plane Trigonometry **OR** MATH 2412* Pre-Calculus **(if not taken to satisfy Core 20)**	CC	0-4
MATH 2413* Calculus I	CC	4
MATH 2414* Calculus II	CC	4
MATH 3311* Linear Algebra	CC	3
MATH 3325* Introduction to Proofs		3
MATH 4341* Advanced Calculus		3
Take 18 semester hours from: MATH 3321* Probability; MATH 3340* Calculus III CC; MATH 3342* Differential Equations I CC; MATH 3343* Differential Equations II; MATH 4310* Modern Algebra with Cryptography; MATH 4340* Complex Variables I; MATH 4361* Statistics for the Sciences; MATH 4362* Introduction to Numerical Analysis		18

Bachelor of Science Degree
BS.MATH (115)

CS 1315* Programming Fundamentals **OR** CIDM 1315 Programming Fundamentals	3	
CS 1337, 1337L Introduction to Object-Oriented Programming **OR** CIDM 2315 Programming Business Applications	3	
MATH 4370* (MPS 4370) Senior Investigations **OR** MPS 4393* Math/Physical Science/Engineering Technology Honors	3	

BACHELOR OF SCIENCE REQUIREMENTS Covered by requirements for major.	OPTION
ELECTIVES: 30-34 HOURS BY ADVISEMENT ♦	
ADVANCED ELECTIVES Additional hours to provide a minimum of 39 advanced (3000- or 4000-level) hours.	6
ELECTIVES (ANY LEVEL)	24-28
MINIMUM HOURS REQUIRED FOR DEGREE	**120**

♦ NOTE: The core curriculum must total **exactly 42 hours**; excess hours must be moved to the major as an elective or a major requirement and stay within the 120-hour requirement or approved total submitted to the Coordinating Board for degree requirements. Some majors specify particular courses to meet core curriculum requirements when options are available.
* Indicates prerequisites—see catalog for more information.
** Or an equivalent course (second year, second semester) in a foreign language.

NOTE: At least 36 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

NOTE: This is NOT a degree plan. All undergraduate students must request an official degree plan from their academic dean's office by the time they have completed 30 credit hours.