West Texas A&M University
Advising Services Degree Checklist 2019-2020

AC This symbol indicates courses that apply towards degree programs at WT. All core classes are offered at AC. Please refer to the list regarding major specific courses. Course prefixes and numbers may vary at each institution. Please contact an adviser to ensure the course will apply towards chosen core area.

NAME: _____   WT ID: _____   DATE: _____

Mathematics
School of Engineering, Computer Science and Mathematics
Classroom Center, Room 420   (806)651-2540

Bachelor of Arts Degree
BA.MATH (115)

CORE CURRICULUM COURSES: 42 HOURS ♦	HRS	AC
Communication (Core 10)		
ENGL 1301 Introduction to Academic Writing and Argumentation	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 1303, ARTS 1304; DANC 2303; MUSI 1306, MUSI 1307, MUSI 1310; or THRE 1310 **Choose 1**	3	
American History (Core 60)		
HIST 1301, 1302, 2301, 2381 **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] AC	3	
CORE 30 PHYS 1401*[3] and PHYS 1402*[3] AC **OR** PHYS 2425*[3] and 2426*[3] AC	6	
CORE 90 ENGL 1302* or 2311* AC	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 AC **(if not taken to satisfy Core 20)**	0-4	
MATH 2413* Calculus I AC	4	
MATH 2414* Calculus II AC	4	
MATH 3325* Introduction to Proofs	3	
MATH 4341* Advanced Calculus	3	
Take 21 semester hours from: MATH 3311* Linear Algebra MATH 3321* Probability MATH 3340* Calculus III AC MATH 3342* Differential Equations I AC MATH 3343* Differential Equations II **cont. ⇨**	21	

MATH 4310* Modern Algebra with Cryptography MATH 4340* Complex Variables I MATH 4361* Statistics for the Sciences MATH 4362* Introduction to Numerical Analysis		
CS 1315* Programming Fundamentals **OR** CIDM 1315 Programming Fundamentals AC	3	
MATH 3306*/*** Secondary Mathematics and Technology **OR** CS 1337, 1337L Introduction to Object-Oriented Programming *** AC	3	
MATH 4370* *(MPS 4370)* Senior Investigations **OR** MPS 4393* Math/Physical Science/Engineering Technology Honors	3	

BACHELOR OF ARTS REQUIREMENTS: 12 HOURS AC	OPTION		
Six hours of foreign language.	(6-8)		
Six hours chosen from art, English, history, modern languages, music, philosophy and theatre.	6		

ELECTIVES: 16-22 HOURS BY ADVISEMENT ♦			
ADVANCED ELECTIVES Additional hours to provide a minimum of 39 advanced (3000- or 4000-level) hours.	6-9		
ELECTIVES (ANY LEVEL)	7-16		
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.
*** Mathematics majors seeking teacher certification must take MATH 3306, and those who are not seeking teacher certification must take CS 1337.

NOTE: At least 39 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU, and 30 of the final 36 hours counted toward the degree 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. After completing 30 hours, students are required to request an official degree plan by using the online Degree Plan Request form. The dean's office of the School of Engineering, Computer Science and Mathematics, located in the Engineering and Computer Science Building, Room 119 (or call 806-651-5257), can answer questions about the degree plan. Students who have completed 30 hours will not be allowed to progress without requesting a degree plan.