West Texas A&M University Advising Services Degree Checklist 2014-2015 (For assistance completing this form, contact Advising Services at 806-651-5300)

NAME:

WT ID:

DATE:

Computer Science—Enterprise Systems Track School of Engineering and Computer Science ECS Building, Room 119 651-5257

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CORE CURRICULUM COURSES: 42 HOURS +	HRS	_	_
Communication (Code 10)	- 1		
ENGL 1301 (ENG 101) Introduction to Academic Writing and Argumentation	3		
COMM 1315 (SCOM 101, 1315), 1318 (SCOM 103, 1318), or 1321** (SCOM 201, 1321)	3		
Mathematics (Code 20)			
See University Core Requirements below	(4)		
Life and Physical Sciences (Code 30)		1	
See University Core Requirements below	(6)		
Language, Philosophy and Culture (40)			
ANTH 2351 (201), ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311 (110), 2323, 2372 (210); PHIL 1301 (101), 2374 (204); SPAN 2311* (206), 2312*/*** (207), 2313* or SPAN 2315*/*** Choose 1	3		
Creative Arts (Code 50)	1		
HUMA 1315 (FA 101); ARTS 1303 (ART 151), ARTS 1304 (ART 152); DANC 2303; MUSI 1306 (MUS 101) or 1208 and 1209* (extra MUSI hour moves to Code 90); or THRE 1310 (105) Choose 1	3		
American History (Code 60)			
HIST 1301 (201), 1302 (202), 2301, 2381 Choose 2	6		
Government/Political Science (Code 70)	0		
POSC 2305 (101) and 2306 (102)	6		
Social and Behavioral Sciences (Code 80) AGBE 2317* (213); COMM 2377 (SCOM 255, 2377); CRIJ 1301 (CJ 105); ECON 2301 (ECO 201), 2302 (ECO 202); PSYC 2301 (PSY 201); SOCI 1301 (201) Choose 1	3		
Component Area Option (Code 90)			
	(=)		
See University Core Requirements below COMPUTER SCIENCE—ENTERPRISE SYSTEMS TRACK	(6)		
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COMPUTER SCIENCE—ENTERPRISE SYSTEMS TRACK REQUIREMENTS: 94 HOURS • A grade of "C" or better must be earned in all courses required for majo • A grade of "C" or better is mandatory for all prerequisites listed for ECS	r.	•	
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Bachelor of Science Degree BS.CS (307)

CS 3310* Programming Languages	3	
CS 3315* (315) Scripting Languages	3	
CS 3352* Operating Systems and Networking	3	
CS 3372* Net-Centric Computing	3	
CS 4325* (425) Computer Architecture	3	
CS 4340* Database Systems Use, Design and Implementation	3	
CS 4385* (485) Concurrency and Distributed Systems	3	
CS 4390* Software Development & Systems Prog.	3	
CS 4391* Software Development & Prof. Practice	3	
REQUIRED MATH COURSES: 16 HOURS	•	
MATH 2321* Discrete Structures I	3	
MATH 2322* Discrete Structures II	3	
MATH 2414* (241) Calculus II	4	
Take 6 hours from:MATH 3311* (411)Linear AlgebraMATH 3321* (321)Probability and Finite MathematicsMATH 3325*Introduction to ProofsMATH 3340* (340)Calculus IIIMATH 3342* (342)Differential Equations IMATH 3343*Differential Equations IIMATH 4310* (310)Modern Algebra with CryptographyMATH 4340* (440)Complex Variables IMATH 4341* (441)Advanced CalculusMATH 4361* (461)Statistics for the SciencesMATH 4362* (492)Introduction to Numerical Analysis	6	
ENTERPRISE SYSTEMS TRACK: 18 HOURS		
CS 3303* Object-Oriented Software Development	3	
CS 3321* Introduction to Enterprise Systems	3	
CS 3322* Enterprise Systems Application Development	3	
CS 4321* Enterprise Systems Assembler Programming	3	
CS 4322* Advanced Topics in Enterprise Systems	3	
CS 4360* Approaches to Internet and Computer Networks Security	3	
TOTAL HOURS REQUIRED TO COMPLETE DEGREE	121	

• 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.

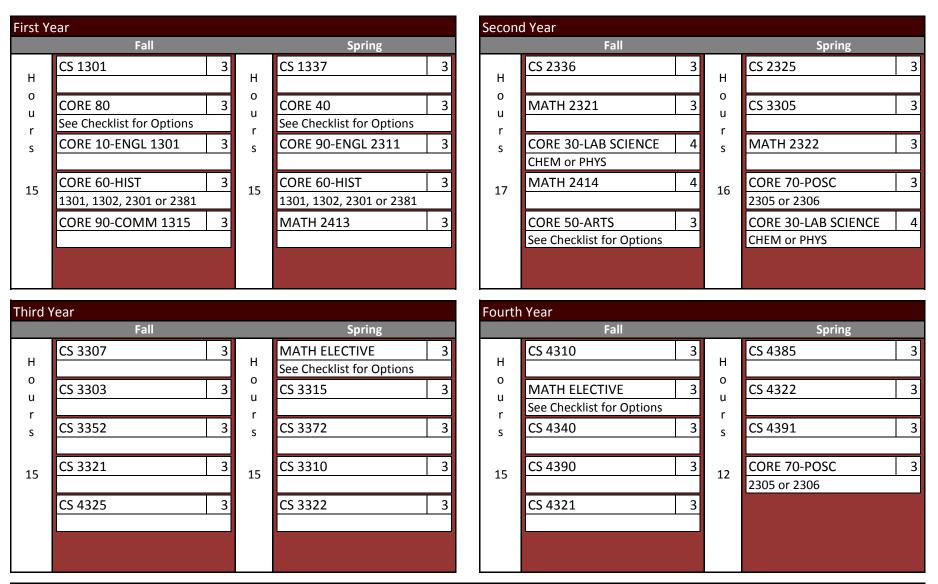
** Recommended.

*** Or an equivalent course (second year, second semester) in a foreign language.
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 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 encouraged to request an official 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). Students who have completed 45 hours will not be allowed to progress without requesting a degree plan.



Degree Plan Total Hours: 120 Major Code: 307



DISCLAIMER: This curriculum guide should be used in conjunction with the corresponding degree checklist for general planning purposes only. The degree checklist (later a student's official degree plan) should be referred to as the comprehensive list of all courses required for the degree. An official degree plan is required after completing 45 hours. Students should always seek the advice of their academic adviser before scheduling classes.