

**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: _____

**Environmental Engineering
School of Engineering and Computer Science
ECS Building, Room 119 651-5257**

CORE CURRICULUM COURSES: 42 HOURS †		HRS
Communication (10)		
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 (20)		
See University Core Requirements below	(3)	
Life and Physical Sciences (30)		
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 (50)		
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 (60)		
HIST 1301 (201), 1302 (202), 2301, 2381 Choose 2	6	
Government/Political Science (70)		
POSC 2305 (101) and 2306 (102)	6	
Social and Behavioral Sciences (80)		
AGBE 2317* (213); COMM 2377 (SCOM 255, 2377); CRJ 1301 (CJ 105); ECON 2301 (ECO 201), 2302 (ECO 202); PSYC 2301 (PSY 201); SOCI 1301 (201) Choose 1	3	
Component Area Option (90)		
See University Core Requirements below	(6)	
ENVIRONMENTAL ENGINEERING MAJOR REQUIREMENTS: 106 HOURS		
• A grade of "C" or better must be earned in all courses required for major. • A grade of "C" or better is mandatory for all prerequisites listed for courses required for EVEG majors (e.g. MATH 1314 for CHEM 1411 or MATH 2412 for MATH 2413).		
UNIVERSITY CORE REQUIREMENTS: 15 HOURS		
CORE 20 MATH 2413*[3] (240) Calculus I	3	
CORE 30 CHEM 1411*[3] (101) Chemistry I AND CHEM 1412*[3] (102) Chemistry II	6	
CORE 90 ENGL 2311* (ENG 270) Introduction to Professional and Technical Communication	3	
CORE 90 CHEM 1411L[1], 1412L[1], and MATH 2413[1]	3	
ENGINEERING CORE REQUIREMENTS: 20 HOURS		
ENGR 1301*, 1301L (ENGR 101, 1201) Fundamentals of Engineering	3	
ENGR 1304 (125), 1304L (125L) Engineering Graphics	3	
ENGR 1375 (115), 1375L (115L) Principles of DC and AC Circuits	3	
ENGR 2301* (230) Engineering Statics	3	
ENGR 2302* (240) Engineering Dynamics	3	
ENGR 3202* (302, 3302) Fundamentals of Engineering Economics	2	
CS 1315* Programming Fundamentals OR CS 1337, 1337L (1437) Introduction to Object-Oriented Programming	3	

**Bachelor of Science Degree
BS.EVEG.ENGR (135)**

ENVIRONMENTAL ENGINEERING REQUIREMENTS: 28 HOURS	
EVEG/CENG 2331* (CENG 3331) Intro. to Environmental Engineering	3
EVEG 3404* Intro. To Fluid Mechanics for Civil and Environmental Engineers	4
EVEG 3311* Water Resources Engineering	3
EVEG 3342* Principles of Water and Wastewater Treatment	3
EVEG 3343* Principles of Air Pollution Monitoring & Control	3
EVEG 3344* Principles of Solid & Hazardous Waste Mgt.	3
EVEG 3361* Modeling for Environmental Engineering	3
EVEG 4381* Environmental Engineering Design I	3
EVEG 4382* Environmental Engineering Design II	3
GENERAL ENGINEERING ELECTIVES: 9 HOURS	
Take 3 hours from: EVEG 4097* Environmental Engineering Research OR EVEG 4098* Environmental Engineering Internship	3
Take 3 hours from: MENG 3311* (311), 3312* (312), 3320*, 4321* (421); EVEG 4341	3
Take 3 hours from: ENGR 4311*; EVEG 4340*; MENG 4307* (407)	3
MATH AND SCIENCE REQUIREMENTS: 34 HOURS	
MATH 2414* (241) Calculus II	4
MATH 3340* (340) Calculus III	3
MATH 3342* (342) Differential Equations I	3
MATH 4361* (461) Statistics for the Sciences	3
PHYS 2425* (210), 2425L (210L) Calculus Physics I	4
Take 6 hours from: ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306 (ESC 406)	6
Take 8 hours from: BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510	8
Take 3 hours from: GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; PSES 2411, 4311	3
TOTAL HOURS REQUIRED TO COMPLETE DEGREE	133

† 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 39 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU, and 30 of the 39 hours must be the final hours counted toward a degree. A maximum of six semester hours in religion (REL) 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.