

**West Texas A&M University
Advising Services
Degree Checklist
2012-2013**

(For assistance completing this form, contact Advising Services at 806-651-5300)

NAME: _____ WT ID: _____ DATE: _____

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

CORE CURRICULUM COURSES: 42 HOURS †		HRS	
Specific course(s) required for this major are listed in the next section.			
Communication (10)			
ENGL 1301 (ENG 101) Composition and Reading	3		
See University Core Requirements below	(3)		
Communication (11)			
COMM 1315 (SCOM 101, 1315) or 1321 (SCOM 201, 1321)	3		
Mathematics (20)			
See University Core Requirements below	(4)		
Natural Sciences (30)			
See University Core Requirements below	(8)		
Humanities (40-41)			
ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311 (110), 2323, 2372 (210); MCOM 1307 (MG 107); PHIL 1301 (101), 2374 (204); SPAN 2312**/** (207) or SPAN 2315**/** Choose 1	3		
Visual and Performing Arts (50)			
HUMA 1315 (FA 101); ARTS 1303 (ART 151), ARTS 1304 (ART 152); DANC 2303; MUSI 1306 (MUS 101) or 1208 and 1209*; or THRE 1310 (105) Choose 1	3		
Social and Behavioral Sciences (60)			
HIST 1301 (201) or 1303; 1302 or 1304; 2301; 2381 Choose 2	6		
Social and Behavioral Sciences (70)			
POSC 2305 (101) or 2370; 2306 (102)	6		
Social and Behavioral Sciences (80)			
AGBE 2317* (213), ANTH 2351 (201); CRIJ 1301 (CJ 105); ECON 2301 (ECO 201), 2302 (ECO 202), 2371; GEOG 1302 (202); PSYC 2301 (PSY 201); COMM 2377 (SCOM 255, 2377); SOCI 1301 (201); or SOCW 2361 (SOWK 201) Choose 1	3		
Institutionally Designated Option (90)			
ANSC 2370; CIDM 1105, 1301 (CIS, IDM 1301), 1315 (CIS, IDM 1315), 2345; CS 1301; IDS 1071; PHIL 2303 (203) Choose 1	1-3		
ENVIRONMENTAL ENGINEERING MAJOR REQUIREMENTS: 100 HOURS			
A grade of "C" or better must be earned in all courses required for major.			
UNIVERSITY CORE REQUIREMENTS: 15 HOURS			
CORE 10			
ENGL 2311* (ENG 270) Introduction to Professional and Technical Communication	3		
CORE 20			
MATH 2413* (240) Calculus I	4		
CORE 30			
CHEM 1411*, 1411L (101,101L) Chemistry I AND CHEM 1412*, 1412L (102, 102L) Chemistry II	8		
ENGINEERING CORE REQUIREMENTS: 18 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		
CS 1315* Programming Fundamentals	3		

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

ENVIRONMENTAL ENGINEERING REQUIREMENTS: 28 HOURS			
EVEG 2331* (CENG 3331) Intro. to Environmental Engineering	3		
EVEG 3404* (NEW) Intro. To Fluid Mechanics for Civil and Environmental Engineers	4		
EVEG 3311* (NEW) Hydrology and Hydraulics	3		
EVEG 3342* (NEW) Principles of Water and Wastewater Treatment	3		
EVEG 3343* (NEW) Principles of Air Pollution Monitoring and Control	3		
EVEG 3344* (NEW) Principles of Solid and Hazardous Waste Management	3		
EVEG 3361* (NEW) Modeling for Environmental Engineering	3		
EVEG 4381* (NEW) Environmental Engineering Design I	3		
EVEG 4382* (NEW) Environmental Engineering Design II	3		
GENERAL ENGINEERING ELECTIVES: 9 HOURS			
Take 3 hours from:			
EVEG 4097* (NEW) Environmental Engineering Research OR EVEG 4098* Environmental Engineering Internship	3		
Take 3 hours from:			
MENG 3311* (311), 3312* (312), 3320*, 4321* (421); EVEG 4341 (NEW)	3		
Take 3 hours from:			
ENGR 4311*; EVEG 4340*; MENG 4340* (423), 4307 (407)	3		
MATH AND SCIENCE REQUIREMENTS: 30 HOURS			
MATH 2414* (241) Calculus II	4		
MATH 3340* (340) Calculus III	3		
MATH 3342* (342) Differential Equations I	3		
MATH 4361* (461) Engineering Statistics	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	132-134		

† A minimum of 42 hours from the core curriculum is required. Some majors specify particular courses to meet core-curriculum requirements when options are available. Ideally, these courses should be taken during the first two years of enrollment.
* Indicates prerequisites—see catalog for more information.
** Or an equivalent course (second year, second semester) in French or German.
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 (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

Note: This is NOT a degree plan. Before completion of 60 hours, students are allowed and 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). After completing 60 hours, students will not be allowed to progress without requesting a degree plan.