

**West Texas A&M University
Advising Services
Degree Checklist
2015-2016**

(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
Communication (10)		
ENGL 1301 Introduction to Academic Writing and Argumentation	3	
COMM 1315, 1318, or 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, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; PHIL 1301, 2374; SPAN 2311*, 2312**/**, 2313*, or 2315* Choose 1	3	
Creative Arts (50)		
ARTS 1303, ARTS 1304; DANC 2303; HUMA 1315; MUSI 1306 or 1208 and 1209* (extra MUSI hour moves to Code 90); OR THRE 1310 Choose 1	3	
American History (60)		
HIST 1301, 1302, 2301, 2381 Choose 2	6	
Government/Political Science (70)		
POSC 2305 and 2306	6	
Social and Behavioral Sciences (80)		
AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; PSYC 2301; SOCI 1301 Choose 1	3	
Component Area Option (90)		
See University Core Requirements below	(6)	
ENVIRONMENTAL ENGINEERING MAJOR REQUIREMENTS: 106 HOURS		
<ul style="list-style-type: none"> • 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 ECS courses required for EVEG majors. 		
UNIVERSITY CORE REQUIREMENTS: 15 HOURS		
CORE 20 MATH 2413*[3] Calculus I	3	
CORE 30 CHEM 1411*[3] Chemistry I AND CHEM 1412*[3] Chemistry II	6	
CORE 90 ENGL 2311* 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 Fundamentals of Engineering	3	
ENGR 1304 (125), 1304L (125L) Engineering Graphics	3	
ENGR 1375*, 1375L Principles of DC and AC Circuits	3	
ENGR 2301* Engineering Statics	3	
ENGR 2302* Engineering Dynamics	3	
ENGR 3202* Fundamentals of Engineering Economics	2	
CS 1315* Programming Fundamentals OR CS 1337, 1337L Introduction to Object-Oriented Programming	3	
ENVIRONMENTAL ENGINEERING REQUIREMENTS: 28 HOURS		
EVEG/CENG 2331* Intro. to Environmental Engineering	3	

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

EVEG 3404* Introduction 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*, 3312*, 3320*, 4321*; EVEG 4341	3	
Take 3 hours from: ENGR 4311*; EVEG 4340*; MENG 4307*	3	
MATH AND SCIENCE REQUIREMENTS: 34 HOURS		
MATH 2414* Calculus II	4	
MATH 3340* Calculus III	3	
MATH 3342* Differential Equations I	3	
MATH 4361* Statistics for the Sciences	3	
PHYS 2425*, 2425L Calculus Physics I	4	
Take 6 hours from: ENVR 4301*, 4302*, 4305, 4306	6	
Take 8 hours from: BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510	8	
Take 3 hours from: GEO/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 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 45 hours will not be allowed to progress without requesting a degree plan.