

West Texas A&M University
Advising Services
Degree Checklist
2017-2018

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

NAME: _____ WT ID: _____ DATE: _____

Environmental Engineering (see note below)
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*, 2315*, or 2371	3	Choose 1
Creative Arts (50)		
ARTS 1303, ARTS 1304; DANC 2303; MUSI 1306, MUSI 1307, MUSI 1310; or THRE 1310	3	Choose 1
American History (60)		
HIST 1301, 1302, 2301, 2381	6	Choose 2
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	3	Choose 1
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 ECS courses required for EVEG majors.		
UNIVERSITY CORE REQUIREMENTS: 15 HOURS		
CORE 20		
MATH 2413*[3] Calculus I	PENV	3
CORE 30		
CHEM 1411*[3] Chemistry I AND CHEM 1412*[3] Chemistry II	PENV	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: 21 HOURS		
ENGR 1101 Engineering Ethics		1
ENGR 1301*, 1301L Fundamentals of Engineering	PENV	3
ENGR 1304 (125), 1304L (125L) Engineering Graphics	PENV	3
ENGR 1375*, 1375L Principles of DC and AC Circuits		3
ENGR 2301* Engineering Statics	PENV	3
ENGR 2302* Engineering Dynamics	PENV	3
ENGR 3202* Fundamentals of Engineering Economics		2
CS 1315* Programming Fundamentals OR CS 1337, 1337L Introduction to Object-Oriented Programming		3

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

ENVIRONMENTAL ENGINEERING REQUIREMENTS: 28 HOURS	
EVEG/CENG 2331* Intro. to Environmental Engineering	3
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: 28 HOURS	
MATH 2414* Calculus II	PENV 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 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	128

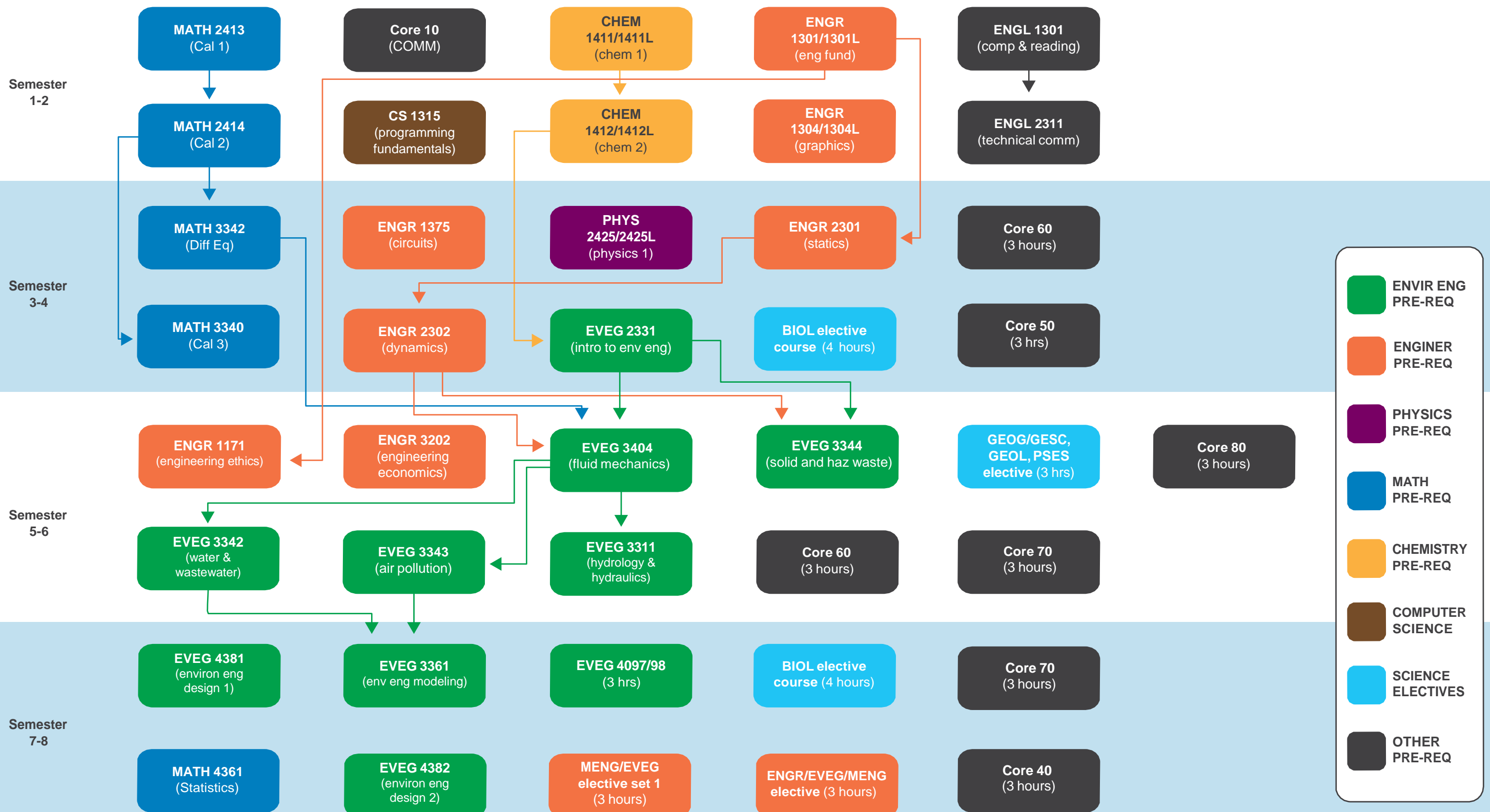
↻ Environmental Engineering Program admission requirements (PENV): overall GPA of at least 2.25; completion of the pre-engineering sequence (MATH 2413, 2414, CHEM 1411, 1412, ENGR 1301, 1304, 2301, and 2302) with a GPA of at least 2.75; and successful completion of entrance interview with a department adviser.

♦ 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.


West Texas A&M University
B.S. ENVIRONMENTAL ENGINEERING



BS Environmental Engineering

Ideal semester layout for "calculus-ready" student

Revised: April 15, 2016

total hrs degree	128
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color legend

env engineering
math
university core
chemistry

computer science
general engineering
physics
science elective

fall course	hrs	spring course	hrs	fall course	hrs	spring course	hrs
MATH 2413	4	MATH 2414	4	MATH 3342	3	MATH 3340	3
CORE 10- COMM	3	CS 1315	3	ENGR 1375	3	ENGR 2302	3
CHEM 1411/L	4	CHEM 1412/L	4	PHYS 2425/L	4	EVEG 2331/L	3
ENGR 1301/L	3	ENGR 1304/L	3	ENGR 2301	3	BIOL elec	4
ENGL 1301	3	ENGL 2311	3	Core 60	3	Core 50	3

total	17	total	17	total	16	total	16
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fall course	hrs	spring course	hrs	fall course	hrs	spring course	hrs
ENGR 1171	1	EVEG 3342	3	EVEG 4381	3	EVEG 4382	3
ENGR 3202	2			EVEG 3361	3	MENG/EVEG elec	3
EVEG 3404	4	EVEG 3343	3	EVEG 4097/98	3		
EVEG 3344	3	EVEG 3311	3	BIOL elec	4	ENGR/EVEG/MENG elec	3
GEO elec	3	Core 60	3	Core 70	3	MATH 4361	3
Core 80	3	Core 70	3			Core 40	3

total	16	total	15	total	16	total	15
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