

WTAMU ADVISING SERVICES – 2025-2026 Curriculum Guide

Major: Environmental Engineering, B.S.

Major Code: 135

Year 1: Fall		Year 1: Spring	
ENGR 1301/1301L Fundamentals of Engineering (PENV ²)	3	ENGR 1304/1304L Engineering Graphics (PENV ²)	3
CORE 10 (Communication) – ENGL 1301 or 1311	3	MATH 2414 Calculus II (PENV ²)	4
CORE 20 (Mathematics) – MATH 2413 Calculus I (PENV ²) (4 th hour counts toward Core 90)	4	CS 1315 Programming Fundamentals or CS 1337/1337L Intro. to Object-Oriented Programming (PENV ²)	3
CORE 30 (Life & Phys. Sci.) – CHEM1411/1411L Chemistry I (PENV ²) (4 th hour counts toward Core 90)	4	CORE 30 (Life & Phys. Sci.) – CHEM1412/1412L Chemistry II (PENV ²) (4 th hour counts toward Core 90)	4
CORE 50 (Creative Arts) ¹	3	CORE 90 (Component Area Option) – ENGL 1302, 1312 or 2311	3
Total:	17	Total:	17
Year 2: Fall		Year 2: Spring	
ENGR 1375/1375L Principles of DC & AC Circuits	3	ENGR 2302 Engineering Dynamics (PENV ²)	3
ENGR 2301 Engineering Statics (PENV ²)	3	EVEG 2331/2331L Introduction to Environmental Engineering	3
MATH 3340 Calculus III	3	MATH 3342 Differential Equations I	3
PHYS 2425/2425L Calculus Physics I	4	BIOL Elective – Take 3-5 hours from BIOL 1406, 1407, 1411, 1413, 2374, 2420 or 2572, 3374, 4425, 4510 (BIOL Electives must total 8 hrs)	3-5
CORE 10 (Communication) ¹	3	CORE 60 (American History) ¹	3
Total:	16	Total:	15-17
Year 3: Fall		Year 3: Spring	
EVEG 3304/3304L Intro. to Fluid Mechanics for Civil & Env. Engrs.	3	ENGR 1171 Engineering Ethics	1
EVEG 3342 Principles of Water & Wastewater Treatment Des.	3	ENGR 3202 Fundamentals of Engineering Economics	2
CENG 3321/3321L Civil Construction Materials	3	EVEG 3345/3345L Principles of Air & Solid Waste Eng. Design	3
GEOL/GESC/PSES Elective – One course from GESC 3308, 3313, GEOL 1403, 1404, 3312, 3350, PSES 2311, 4311	3-4	EVEG 3411/3411L Water Resources Engineering	4
CORE 60 (American History) ¹	3	CORE 70 (Govt./Political Sci.) – POSC 2305	3
Total:	15-16	CORE 80 (Soc. & Behav. Sci.) ¹	3
Total:	15-16	Total:	16
Year 4: Fall		Year 4: Spring	
MENG 3320 Engineering Thermodynamics	3	EVEG 4380/4380L Environmental Engineering Design	3
MENG, EVEG, CENG or ENGR Elective (3000/4000 level)	3	EVEG Elective (3000/4000 level)	3
EVEG 4097 or 4098	3	MATH 4361 Statistics for the Sciences	3
BIOL Elective – Take 3-5 hours from BIOL 1406, 1407, 1411, 1413, 2374, 2420 or 2572, 3374, 4425, 4510 (BIOL Electives must total 8 hrs)	3-5	CORE 40 (Lang., Phil. & Culture) ¹	3
CORE 70 (Govt./Political Sci.) – POSC 2306	3	Total:	12
Total:	15-17	Total:	12

¹ **CORE:** Environmental Engineering majors are required to take specific courses for Core 20, Core 30, and Core 90. For all other categories, they may select from any available options (see degree checklist for options). Apart from the major-specific core requirements, there is no set order in which core courses must be taken.

² **(PENV): Environmental Engineering Program admission requirements:** overall GPA of at least 2.25; completion of the pre-environmental engineering sequence (MATH 2413, 2414, CHEM 1412, 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.

Identified Marketable Skills	Top Three Local Employers or Industries/Professional Programs/Possible Career Opportunities

Additional notes:

- 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.

- At least 36 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

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 30 hours. Students should always seek the advice of their academic adviser before scheduling classes.