

West Texas A&M University
Advising Services
Degree Checklist
2018-2019

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

NAME: _____ **WT ID:** _____ **DATE:** _____

Plant, Soil and Environmental Science
Department of Agricultural Sciences
ANS 213 651-2550

CORE CURRICULUM COURSES: 42 HOURS ♦		HRS
Communication (Code 10)		
ENGL 1301 Introduction to Academic Writing and Argumentation	3	
COMM 1315, 1318, or 1321	3	
Mathematics (Code 20)		
See University Core Requirements below	(3)	
Life and Physical Sciences (Code 30)		
See University Core Requirements below	(6)	
Language, Philosophy and Culture (Code 40)		
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311*, 2312**/2313*, 2315*, or 2371 Choose 1	3	
Creative Arts (Code 50)		
ARTS 1303, ARTS 1304; DANC 2303; MUSI 1306, MUSI 1307, MUSI 1310; or THRE 1310 Choose 1	3	
American History (Code 60)		
HIST 1301, 1302, 2301, 2381 Choose 2	6	
Government/Political Science (Code 70)		
POSC 2305 and 2306	6	
Social and Behavioral Sciences (Code 80)		
See University Core Requirements below	(3)	
Component Area Option (Code 90)		
See University Core Requirements below	(6)	
PLANT, SOIL AND ENVIRONMENTAL SCIENCE—PLANT AND SOIL SCIENCE MAJOR REQUIREMENTS: 78-80 HOURS A grade of "C" or better must be earned in all courses required for major.		
UNIVERSITY CORE REQUIREMENTS: 18 HOURS ♦		
CORE 20		
MATH 1314*, 1324*, 2412*[3], or 2413*[3] ♦	3	
CORE 30		
ANSC 1319, ANSC 1319L Principles of Animal Sci. AND PSES 1307, PSES 1307L Principles of Plant Science	6	
CORE 80		
AGBE 2317* Fundamentals of Agricultural Economics	3	
CORE 90		
ENGL 1302* Academic Writing and Research OR ENGL 2311* Intro. to Professional & Technical Comm.	3	
CORE 90		
AGRI 2300 Personal and Professional Leadership Development	3	
MAJOR REQUIREMENTS: 46 HOURS		
CHEM 1411*, 1411L Chemistry I OR CHEM 1405*, 1405L General Chemistry	4	
Take one course from: BIOL 1411, 1411L Botany CHEM 1412*, 1412L Chemistry II PHYS 1401*, 1401L General Physics I	4	
PSES 2313 Economic Entomology	3	
PSES 2411, 2411L Soils and the Environment	4	
PSES 4330* Crop Physiology	3	
PSES 4331* Irrigation, Soil and Water Conservation	3	
PSES 4342* Soil Fertility	3	
AGBE 3301* Farm and Ranch Management OR AGBE 3304* Agricultural Business Management	3	

Bachelor of Science Degree
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AGBE 3302* Marketing of Agricultural Products	3	
AGRI 1329 Food Science OR ANSC 3374* Principles of Nutrition	3	
AGRI 3103* Agricultural Industry and Career Preparation	1	
AGRI 3301 Genetics OR BIOL 3301 Genetics	3	
AGRI 3318* Agricultural Statistics	3	
AGRI 4310* Global Agriculture and the Environment	3	
SELECTIVES: Take 19-21 hours from the courses below, including a minimum of 12 hours of PSES courses (include all labs):		
PSES 1301 Principles of Horticulture	19-21	
PSES 3272 Individual Study of Seed & Plant Quality		
PSES 3350 Rangeland Plants		
PSES 3354 Rangeland Ecology		
PSES 4302* Range/Forage/Wildlife Management		
PSES 4310* Plant Breeding and Cytogenetics		
PSES 4321 Grain, Fiber and Oilseed Crops		
PSES 4341* Weeds, Herbicides, and Cultural Control		
PSES 4350* Rangeland Inventories and Studies		
PSES 4352 Integrated Grazing & Wildlife Habitat Mgt.		
PSES 4356 Rangeland Improvements		
PSES 4371* Field Crop Entomology		
PSES 4398* Plant, Soil and Environ. Sci. Internship		
BIOL 2374* Wildlife Conservation		
BIOL 2420, 2420L* Applied Microbiology		
BIOL 3424* Wildlife Management Techniques		
BIOL 3532* Plant Classification		
BIOL 4510 General Ecology		
ENVR 4305 Intro. to Geographic Information Systems		
ENVR 4404 Environmental Sampling and Interpretation		
ELECTIVES: 9-11 HOURS BY ADVISEMENT ♦		
ELECTIVES (ANY LEVEL) NOTE: MATH 2412[1] or 2413[1] will need to be counted here if taken to satisfy Core 20 requirement.	16-18	
TOTAL HOURS REQUIRED TO COMPLETE DEGREE	120	

♦ 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 final 36 hours counted toward the degree must be earned at WTAMU. A maximum of six semester hours in religion 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. Students who have questions about their degree plan should contact the office of the dean of the Paul Engler College of Agriculture and Natural Sciences, which is located in the Agriculture and Natural Sciences Building, Room 106 (phone 806-651-3570). Students who have completed 45 hours will not be allowed to progress without requesting a degree plan.