

West Texas A&M University
Advising Services
Degree Checklist
2019-2020

(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
AGS 220 651-2550

CORE CURRICULUM COURSES: 42 HOURS ♦		HRS	AC
Communication (Core 10)			
ENGL 1301 Introduction to Academic Writing and Argumentation		3	
COMM 1315, 1318, or 1321		3	
Mathematics (Core 20)			
See University Core Requirements below		(3)	
Life and Physical Sciences (Core 30)			
See University Core Requirements below		(6)	
Language, Philosophy and Culture (Core 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 (Core 50)			
ARTS 1303, ARTS 1304; DANC 2303; MUSI 1306, MUSI 1307, MUSI 1310; or THRE 1310	Choose 1	3	
American History (Core 60)			
HIST 1301, 1302, 2301, 2381	Choose 2	6	
Government/Political Science (Core 70)			
POSC 2305 and 2306		6	
Social and Behavioral Sciences (Core 80)			
See University Core Requirements below		(3)	
Component Area Option (Core 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] ♦	AC	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.	AC	3	
CORE 90			
AGRI 2300 Personal and Professional Leadership Development		3	
MAJOR REQUIREMENTS: 43 HOURS			
CHEM 1411*, 1411L Chemistry I OR CHEM 1405*, 1405L General Chemistry	AC	4	
Take one course from: BIOL 1411, 1411L Botany CHEM 1412*, 1412L Chemistry II PHYS 1401*, 1401L General Physics I	AC	4	
PSES 2313 Economic Entomology		3	
PSES 2411, 2411L Soils and the Environment		4	
PSES 4320 Global Agriculture and the Environment		3	
PSES 4330* Crop Physiology		3	
PSES 4331* Irrigation, Soil and Water Conservation		3	
PSES 4342* Soil Fertility		3	

Bachelor of Science Degree
BS.PSES (526)

AGBE 3301* Farm and Ranch Management OR AGBE 3304* Agricultural Business Management		3	
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	
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: 14-16 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.		14-16	
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 Happy State Bank Academic & Research Building, Suite 262 (phone 806-651-3570). Students who have completed 45 hours will not be allowed to progress without requesting a degree plan.

WTAMU ADVISING SERVICES
2019-2020 Curriculum Guide

Major: Plant, Soil, and Environmental Science

Major Code: 526

First Year			
Fall		Spring	
AGRI*2300	3	ANSC*1319	3
PSES*1307	3	PSES*2313	3
ENGL*1301	3	ENGL*1302/2311	3
HIST*1301/1302/2301/2381	3	COMM*1315/1318/1321	3
MATH*1314/1324	3	HIST*1301/1302/2301/2381	3
Semester Hours	15	Semester Hours	15

Second Year			
Fall		Spring	
AGBE*2317	3	AGRI*1329/ANSC*3374	3
POSC*2305/2306	3	POSC*2305/2306	3
Core*50	3	Core*40	3
CHEM*1405/1411	4	BIOL*1411/CHEM*1412/ PHYS*1401	4
PSES*2411	4	Elective	3
Semester Hours	17	Semester Hours	16

Third Year			
Fall		Spring	
AGRI*3301	3	AGBE*3301 or 3304	3
AGBE*3302	3	AGRI*3318	3
AGRI*3103	1	PSES*4330 or 4331	3
PSES 4320 or selective	3	PSES*4342 or selective	3
PSES/BIOL/ENVR selective	3	Elective	3
Semester Hours	13	Semester Hours	15

Fourth Year			
Fall		Spring	
PSES 4320 or selective	3	PSES*4342 or selective	3
PSES selective	3	PSES*4330 or 4331	3
PSES/BIOL/ENVR selective	3	PSES selective	3
PSES/BIOL/ENVR selective	3	Elective	3
Elective	3	Elective	2
Semester Hours	15	Semester Hours	14

Degree Total Hours 120

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

Identified Marketable Skills:
1. Agriculturally Literate
2. Teachable/leadership/followership
3. Problem solver
4. Professional
5. Communicator
6. Competent in field of study

Top Local Employers or Industries/Professional Programs/Possible Career Opportunities
Corporate Farm Operations
Seed/Chemical Companies
Research Laboratories
Crop Consulting

Prerequisites/Important Sequences/Other degree Notes: Courses in BOLD are only offered in FA or SP semesters as noted.

Additional links to MyPlan/Department Website/Onet can be placed here