NAME:_____ WT ID:_____ DATE:_____

Plant, Soil and Environmental Science
Department of Agricultural Sciences
AGS 220   651-2550

Bachelor of Science Degree
BS.PSES (526)

CORE CURRICULUM COURSES: 42 HOURS ♦	HRS	AC
Communication (Core 10)		
ENGL 1301 Intro. to Academic Writing & Argumentation **OR** ENGL 1311 Writing About Ideas	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 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307 (for music majors), 1310; or THRE 1310 **Choose 1**	3	
American History (Core 60)		
HIST 1301 **or** 2381, 1302 **or** 2382, 2301 **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 AC	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: 45 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 2311 Fundamentals of Soil Science AC	3	
PSES 2313 Economic Entomology	3	
PSES 4320 Global Agriculture and the Environment	3	
PSES 4330* Crop Physiology	3	
PSES 4331* Crop Water Management	3	
PSES 4342* Soil Fertility	3	

PSES 4097* Undergraduate Research **OR** PSES 4398* Plant, Soil & Environmental Science Internship	3	
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 AC PSES 3130* Soil Profile Evaluation 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 4311* Soil Morphology and Classification PSES 4321 Grain, Fiber and Oilseed Crops PSES 4332* Soil and Water Conservation 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 BIOL 2374* Wildlife Conservation BIOL 2420, 2420L* Applied Microbiology BIOL 3424* Wildlife Management Techniques BIOL 3532* Plant Classification BIOL 4310 General Ecology BIOL 4210* General Ecology Lab ENVR 4305 Intro. to Geographic Information Systems ENVR 4404 Environmental Sampling and Interpretation	19-21	

ELECTIVES: 11-13 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.**	11-13	
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 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.

> **NOTE: This is NOT a degree plan. All undergraduate students must request an official degree plan from their academic dean's office by the time they have completed 30 credit hours.**

Major: Plant, Soil, and Environmental Science, B.S.   **Major Code:** 526

First Year	Boldface type indicates major requirements.
Fall	**Spring**
Semester Hours	Semester Hours

Second Year	
Fall	**Spring**
Semester Hours	Semester Hours

Third Year	
Fall	**Spring**
Semester Hours	Semester Hours

Fourth Year	
Fall	**Spring**
Semester Hours	Semester Hours

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

Identified Marketable Skills:	Top 3 Local Employers or Industries/Professional Programs/Possible Career Opportunities

Prerequisites/Important Sequences/Other degree Notes: