

**West Texas A&M University**  
**STARR Center**  
**Degree Checklist**  
**2008-2009**

NAME: \_\_\_\_\_ WT ID: \_\_\_\_\_ DATE: \_\_\_\_\_

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

**Bachelor of Science Degree**  
**BS.PL.SOIL.ENVR.SCI (524)**

<b>CORE CURRICULUM COURSES: 28 HOURS ♦</b>		
Number of hours does not include specific core requirements listed below.		
<b>Communication (10)</b>		
ENGL 1301 (ENG 101); 1302* (ENG 102) or 2311* (ENG 270)	3	
<b>Communication (11)</b>		
SCOM 1315 (101), 1318 (103), or 1321 (201)	3	
<b>Mathematics (20)</b>		
See University Core Requirements below	(3)	
<b>Natural Sciences (30)</b>		
See University Core Requirements below	(8)	
<b>Humanities (40-41)</b>		
ENGL 2321* (NEW), 2326* (NEW), 2331* (NEW), 2341* (NEW), 2343* (NEW); HIST 2311 (110), 2372 (210); MCOM 1307 (MC 107); PHIL 1301 (101), 2374 (204); or SPAN 2312*/** (207) <b>Choose 1</b>	3	
<b>Visual and Performing Arts (50)</b>		
HUMA 1315 (FA 101); ARTS 1303 (ART 151), ARTS 1304 (ART 152); DANC 2303 (NEW); MUSI 1306 (MUS 101) or 1208 and 1209; or THRE 1310 (105) <b>Choose 1</b>	3	
<b>Social and Behavioral Sciences (60)</b>		
HIST 1301 (201), 1302 (202), 2301 <b>Choose 2</b>	6	
<b>Social and Behavioral Sciences (70)</b>		
POSC 2305 (101) or POSC 2370 (NEW); 2306 (102)	6	
<b>Social and Behavioral Sciences (80)</b>		
See University Core Requirements below	(3)	
<b>Institutionally Designated Option (90)</b>		
PHED 1111 (SES 101); PHED/ANSC activity course; DANC 1241 (1070), 2241* (2370); MUEN 1026 Upon written recommendation of the University physician or the coordinator for Student Disability Services, students may substitute a one hour elective course in lieu of physical education course.	1-3	
<b>PLANT, SOIL AND ENVIRONMENTAL SCIENCE (Plant &amp; Soil Science Track): 92</b> Courses required for a degree in Plant, Soil & Environmental Science.		
<b>UNIVERSITY CORE REQUIREMENTS: 14 HOURS</b>		
<b>CORE 20</b>		
MATH 1314* (110) or 1324** (115)	3	
<b>CORE 30</b>		
BIOL 1411, 1411L (122, 122L) Botany and CHEM 1411*, 1411L (101, 101L) Chemistry I	8	
<b>CORE 80</b>		
AGBE 2317* (213) Fund. of Agricultural Economics	3	
<b>DEPARTMENT CORE (13 HOURS)</b>		
IDS 1071 (IDS 101) (INTERDISCIPLINARY STUDIES) <i>NOTE: SPECIAL SECTION-AG MAJORS UNLESS REQUIRED TO TAKE 3 HR COURSE</i>	1	
AGRI 3301 (301) Genetics BIOL 3301 (301) Genetics <b>Choose 1</b>	3	
AGRI 3318* (318) Agricultural Statistics	3	
ANSC 1319, 1319L (121, 121L) Principles of Animal Science	3	
PSES 1307, 1307L (112, 112L) Principles of Plant Science	3	
<b>AGRICULTURAL SCIENCE CORE (23 HOURS)</b>		

AGBE 3301* (301) Farm and Ranch Management AGBE 3304* (304) Agricultural Business Mgt. <b>Choose 1</b>	3	
AGBE 3302* (302) Marketing of Agricultural Products	3	
AGRI 3330* (330) Computer Applications in Agriculture	3	
AGRI 4103* (403) Senior Seminar	1	
ANSC 1329 (230) Food Science	3	
ANSC 3374 (374) Principles of Nutrition	3	
IPM 2313 (PSES 251) Economic Entomology	3	
PSES 3411*, PSES 3411L (311) Soils	4	
<b>MAJOR REQUIREMENTS (17-18 HOURS)</b>		
PSES 3342* (342) Plant Breeding	3	
PSES 4330* (430) Crop Physiology	3	
PSES 4342* (442) Soil Fertility	3	
BIOL 2420* (210) Applied Microbiology BIOL 2572*, 2572L (212) Microbiology BIOL 3418 (319) Wildland Soils BIOL 3510 (310) Entomology BIOL 3532 (332) Plant Classification BIOL 4510 (410) General Ecology BIOL 4513 (412) Plant Ecology include all Labs <b>(Include all labs) Choose 1</b>	4-5	
CHEM 1412*, 1412L (102, 102L) Chemistry II	4	
<b>PLANT AND SOIL SCIENCE TRACK (21 HOURS)</b>		
AGRI 4310* (410) Global Agriculture and the Environment	3	
PSES 4331* (431) Irrigation, Soil and Water Conservation	3	
<b>Take five courses from (include all labs):</b> PSES 1301* (216) Principles of Horticulture PSES 2371* (231) Grain and Forage Crops PSES 4302* (402) Range Management PSES 4311* (411) Soil Morphology and Classification PSES 4398* (497) Plant, Soil and Environ. Sci. Internship IPM 3343* (PSES 343) Weeds and Weed Control IPM 4343* (PSES 443) Pest Management IPM 4351*** (PSES 451) Plant Pathology IPM 4361* Agricultural Chemicals IPM 4371* (PSES 471) Field Crop Entomology	15	
<b>ELECTIVES (3-4 HOURS BY ADVISEMENT)</b>		
ELECTIVES (ANY LEVEL)	3-4	
<b>TOTAL HOURS REQUIRED TO COMPLETE DEGREE</b>	<b>120</b>	

♦ Core curriculum courses should be taken during the first two years of enrollment. For a list of core courses with descriptions see [www.wtamu.edu/starr/](http://www.wtamu.edu/starr/).

\* Indicates prerequisites—see [catalog](#) for more information.

\*\* Or an equivalent course (second year, second semester) in French or German.

\*\*\* BIOL 1411 and 1413 (or 1406 and 1407) are prerequisites for IPM 4351 (PSES 451).

NOTE: Some courses have prerequisites which are not included within the degree and may need to be taken as electives.

**Note: This is NOT a degree plan. Upon completion of 60 hours, apply for a degree plan in the office of the dean of the College of Agriculture, Science and Engineering located in the Agriculture and Natural Sciences Building, Room 106, or call 651-2585.**