

WTAMU ADVISING SERVICES – 2025-2026 Curriculum Guide

Major: Plant, Soil and Environmental Science – Horticulture Emphasis, B.S.

Major Code: 526

Year 1: Fall		Year 1: Spring	
CORE 10 (Communication) – ENGL 1301 or 1311	3	CORE 30 (Life & Phys. Sci.) – ANSC 1319/1319L	3
CORE 20 (Mathematics) – MATH 1314 or 1324	3	CORE 90 (Component Area Option) – ENGL 1302 or 2311	3
CORE 30 (Life & Phys. Sci.) – PSES 1301/1301L	3	PSES 2311/2311L Fundamentals of Soil Science	3
CORE 90 (Component Area Option) – AGRI 2300	3	CORE 40 – See checklist for options ¹	3
CORE 60 – See checklist for options ¹	3	CORE 60 – See checklist for options ¹	3
Total:	15	Total:	15
Year 2: Fall		Year 2: Spring	
CORE 80 (Social & Behav. Sci) – AGBE 2317	3	AGRI 1329 Food Science or ANSC 3374 Principles of Nutrition	3
CHEM 1411/1411L or 1405/1405L	4	BIOL 1411/1411L, CHEM 1412/1412L, or PHYS 1401/1401L	4
PSES 2313 Economic Entomology	3	PSES 3354 Ecology of Range & Ag. Systems	3
CORE 10 (COMM) – See checklist for options ¹	3	CORE 50 – See checklist for options ¹	3
CORE 70 – POSC 2306	3	Elective	3
Total:	16	Total:	16
Year 3: Fall		Year 3: Spring	
AGRI 3318 Agricultural Statistics	3	AGBE 3301 Farm & Ranch Mgt. or AGBE 3304 Agricultural Business Management	3
AGBE 3302 Marketing of Agricultural Products	3	AGRI (or BIOL) 3301 Genetics	3
AGRI 3103 Agricultural Industry and Career Preparation	1	PSES 4330 or PSES 4331 or 4332 (spring only)	3
PSES 4342/4342L Soil Fertility or Selective (see checklist or ² below)	3	PSES Selective (see checklist or ² below)	3
PSES/BIOL/ENVR Selective ²	3	Elective	3
CORE 70 – POSC 2305	3		
Total:	16	Total:	15
Year 4: Fall		Year 4: Spring	
PSES 4342/4342L Soil Fertility or Selective ²	3	PSES 4342 Selective ²	3
PSES Selective ²	3	PSES 4330 or PSES 4331 or 4332 (spring only)	3
PSES/BIOL/ENVR Selective ²	3	PSES Selective ²	3
PSES/BIOL/ENVR Selective ²	3	Elective	3-4
PSES 4097 Undergraduate Research or PSES 4398 Plant, Soil and Environmental Science Internship	3		
Total:	15	Total:	12-13

¹ **CORE:** PSES majors are required to take specific courses for Core 20, Core 30, Core 80, and Core 90. For all other categories, they may select from any available options (see degree checklist). Apart from the major-specific core requirements, there is no set order in which core courses must be taken.

² **Selectives:** Take 19-21 hours from the following courses, including a minimum of 12 hours of PSES courses (include all labs): PSES 1301, 3130, 3272, 3350, 3354, 4302, 4310, 4311, 4321, 4332, 4341, 4350, 4352, 4356, 4371, 4398; BIOL 2374, 2420, 3424, 3532, 4310, 4210L; ENVR 4305, ENVR 4404.

Identified Marketable Skills	Top Three Local Employers or Industries/Professional Programs/Possible Career Opportunities
1) Agriculturally literate, 2) Teachable/leadership/followership, 3) Problem solver, 4) Professional, 5) Communicator, 6) Competent in field of study	Corporate Farm Operations - Seed/Chemical Companies - Research Laboratories Crop Consulting

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 (REL) 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.