



# DEPARTMENT OF PLANT & SOIL SCIENCE

TEXAS TECH  
Davis College

**Major:** Plant and Soil Science  
**Concentration:** Horticulture @ a Distance  
**Catalog year:** 2025 - 2026

**Name:** \_\_\_\_\_

**R#:** \_\_\_\_\_

## General Course Requirements (51 hours)

## Plant and Soil Science Core Requirements (69 hours)

### BIOL \*

- ☐ 1401-Biology of Plants

### CHEM \*

- ☐ 1307-Chemistry I & 1107-Chemistry I Lab  
☐ 1308-Chemistry II & 1108-Chemistry II Lab

### ENGL

- ☐ 1301-Essentials of College Rhetoric  
☐ 1302-Advanced College Rhetoric  
☐ 2311-Intro. to Technical Writing or 3365-Professional Report Writing

### HIST

- ☐ 2300-History of U.S. to 1877  
☐ 2301-History of U.S. since 1877

### POLS

- ☐ 1301-American Government  
☐ 2306-Texas Politics and Topics

### SOCIAL & BEHAVIORAL SCIENCE

- ☐ AAEC 2305-Fundamentals of Agricultural and Applied Economics or AAEC 1301-Economics, Ecology, and Ethics **\*\*** or ECO 2301-Principles of Economics I

### COMS

- ☐ 2300-Public Speaking or 2358-Business & Professional Communication

### MATH

- ☐ 1320-College Algebra, or 1321-Trigonometry, or 1330-Introduction to Mathematical Analysis I

### and

- ☐ AAEC 2301 -Agricultural Statistics (or MATH 2300)
- ☐ Language, Philosophy & Culture (3 hrs)  
\_\_\_\_\_
- ☐ Creative Arts (3 hrs) \_\_\_\_\_
- ☐ Foreign Language (1 year) or 2 years High School Credit  
\_\_\_\_\_

**\* Courses to be taken at a local Community College or University**

**\*\*It's important to note that AAEC 1301 does not substitute for AAEC 2305 as a prerequisite for upper level coursework (Agribusiness Minor).**

### PSS Core (28 Hours)

- ☐ 1100-First-year & Transfer Student Seminar<sup>‡</sup>  
☐ 1411-Principles of Horticulture  
☐ 2330-Urban Soils  
☐ 2401-Introductory Entomology  
☐ 3323-Crop Physiology<sup>‡</sup>  
☐ 3421-Fundamental Principles of Genetics  
☐ 4100-Seminar<sup>‡</sup>  
☐ 4411-Controlled Environment Crop Production  
☐ 4421-Principles of Weed Science<sup>‡</sup>

**Classes designated with (‡) are part of the Department's Communication Literacy Plan and cannot be substituted.**

### Required Concentration Hours (24 hours):

- ☐ PSS 2312-Propagation Methods  
☐ 4312-Environmental Ethics, Biodiversity, and Permaculture  
☐ 4314-Management of Horticulture Enterprises  
☐ 4316-Landscape Water Conservation & Ecology  
Select 12 hours from the following:
- ☐ 2313-Herbaceous Plant Materials  
☐ 3309-Introduction to Turfgrass Science  
☐ 3310-Viticulture I: Principles of Viticulture  
☐ 3311-Sustainable Vegetable Crop Production  
☐ 3312-Sustainable Fruit & Nut Crop Production  
☐ 3318-Woody Plants

### Additional Concentration Hours (17 hours):

- ☐ PSS 1311-The Science of Wine  
☐ 2114-Wine Production Introduction Lab  
☐ 2314-Wine Production Introduction  
☐ 3310-Viticulture I: Principles of Viticulture  
☐ 3311-Sustainable Vegetable Crop Production  
☐ 3312-Sustainable Fruit & Nut Crop Production  
☐ 4000-Internship  
☐ 4001-Problems  
☐ 4310-Viticulture II: Grape Production  
☐ 4313-Arboriculture  
☐ 4320-Sustainable Agriculture  
☐ 4323-Organic Crop Production Systems  
☐ 4335-Soil Fertility & Nutrient Management  
☐ 4336-Soil Physical Properties  
☐ 4337-Environmental Soil Science

✓ **Students must earn a "C" or better in all PSS courses.**

✓ **In order to graduate, all PSS students must pass a minimum of 40 credit hours of 3000 or 4000 level courses.**

✓ **Total hours required for degree: 120**

Other hours earned: \_\_\_\_\_