



TEXAS TECH UNIVERSITY

# College of Agricultural Sciences & Natural Resources

**Major:** Plant and Soil Science  
**Concentration:** Horticulture @ a Distance  
**Catalog year:** 2019 - 2020

Name: \_\_\_\_\_ R# \_\_\_\_\_

## General Course Requirements (52 hours)

## Plant and Soil Science Core Requirements (68 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 2401 -Agricultural Statistics (or MATH 2300)
- Language, Philosophy & Culture (3 hrs) \_\_\_\_\_
- Multicultural Requirement (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-Freshman & Transfer Student Seminar‡
- 1411-Principles of Horticulture
- 2330-Urban Soils
- 2401-Introductory Entomology
- 3323-Crop Physiology‡
- 3421-Fundamental Principles of Genetics
- 4100-Seminar‡
- 4411-Controlled Environment Crop Production
- 4421-Principles of Weed Science‡

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

### Required Concentration Hours (25 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 (15 hours):

- PSS 1311-The Science of Wine
- 2114-Wine Production Introduction Lab
- 2314-Wine Production Introduction
- 2316-Introduction to Sustainable Agriculture
- 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-Arborealiculture
- 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: \_\_\_\_\_