



TEXAS TECH UNIVERSITY

College of Agricultural Sciences & Natural Resources

Major: Plant and Soil Science
Concentration: Horticulture & Turfgrass Science
Catalog year: 2020 - 2021

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 or ACOM 2302-Scientific Communications in Agriculture & Natural Resources

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

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 (29 Hours)

- 1100-First-year & Transfer Student Seminar*
1411-Principles of Horticulture
2401-Introductory Entomology
2432-Principles & Practices in Soils
3323-Crop Physiology*
3421-Fundamental Principles of Genetics
4100-Seminar*
4421-Principles of Weed Science*
4425-Introductory Plant Pathology

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
2313-Herbaceous Plant Materials
3309-Introduction to Turfgrass Science
3318-Woody Plants
4000-Internship (3 hours)
4313-Arborealiculture
4316-Landscape Water Conservation & Ecology
4411-Controlled Environment Crop Production

Additional Concentration Hours (14 hours):

- PSS 2310-Floral Design
2114-Wine Production Introduction Lab
2314-Wine Production Introduction
2316-Introduction to Sustainable Agriculture
3311-Sustainable Vegetable Crop Production
3312-Sustainable Fruit & Nut Crop Production
4001-Problems
4301-Agricultural Compounds
4305-Integrated Pest Management
4312-Environmental Ethics, Biodiversity, and Permaculture
4314-Management of Horticulture Enterprises
4318-Landscape Pest Management
4321-Fundamental Principles of Plant Breeding
4323-Organic Crop Production Systems
4325-Crop Water Management
4331-Soil Microbial Ecology
4335-Soil Fertility & Nutrient Management
4336-Soil Physical Properties
4337-Environmental Soil Science
4340-Irrigation Management Seminar
4415-Plant Genomics & Biotechnology

- 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: