



TEXAS TECH UNIVERSITY

College of Agricultural Sciences & Natural Resources

Major: Plant and Soil Science
Concentration: Crop Science
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 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 (28 - 29 Hours)

- 1100-Freshman & Transfer Student Seminar\*
1411-Principles of Horticulture or 1321-Agronomic Plant Science
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 3321-Forage & Pasture Crops
3322-Grain, Fiber, & Oilseed Crops
3324-Seed Science & Technology
4321-Fundamental Principles of Plant Breeding
4325-Crop Water Management
4331-Soil Microbial Ecology or 4337-Environmental Soil Science
4335-Soil Fertility & Nutrient Management
CHEM 2303 & 2103 or 3305 & 3105

Additional Concentration Hours (14-15 hours):

- PSS 2316-Introduction to Sustainable Agriculture
3309-Introduction to Turfgrass Science
4000-Internship
4001-Problems
4301-Agricultural Compounds
4305-Integrated Pest Management
4316-Landscape Water Conservation & Ecology
4330-Environmental Soil Chemistry
4331-Soil Microbial Ecology
4332-Soil Classification
4336-Soil Physical Properties
4337-Environmental Soil Science
4411-Controlled Environment Crop Production
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: \_\_\_\_\_