



TEXAS TECH UNIVERSITY

College of Agricultural Sciences & Natural Resources

Major: Plant and Soil Science

Concentration: **Environmental Soil & Water Science**

Catalog year: 2019 - 2020

Name: _____ R# _____

General Course Requirements (52 hours)

Plant and Soil Science Core Requirements (68 hours)

<p><u>BIOL</u></p> <p><input type="checkbox"/> 1401-Biology of Plants</p> <p><u>CHEM</u></p> <p><input type="checkbox"/> 1307-Chemistry I & 1107-Chemistry I Lab</p> <p><input type="checkbox"/> 1308-Chemistry II & 1108-Chemistry II Lab</p> <p><u>ENGL</u></p> <p><input type="checkbox"/> 1301-Essentials of College Rhetoric</p> <p><input type="checkbox"/> 1302-Advanced College Rhetoric</p> <p><input type="checkbox"/> 2311-Intro. to Technical Writing or 3365-Professional Report Writing or <u>ACOM</u> 2302-Scientific Communications in Agriculture & Natural Resources</p> <p><u>HIST</u></p> <p><input type="checkbox"/> 2300-History of U.S. to 1877</p> <p><input type="checkbox"/> 2301-History of U.S. since 1877</p> <p><u>POLS</u></p> <p><input type="checkbox"/> 1301-American Government</p> <p><input type="checkbox"/> 2306-Texas Politics and Topics</p> <p><u>SOCIAL & BEHAVIORAL SCIENCE</u></p> <p><input type="checkbox"/> <u>AAEC</u> 2305-Fundamentals of Agricultural and Applied Economics or <u>AAEC</u> 1301-Economics, Ecology, and Ethics ** or <u>ECO</u> 2301-Principles of Economics I</p> <p><u>COMS</u></p> <p><input type="checkbox"/> 2300-Public Speaking or 2358-Business & Professional Communication</p> <p><u>MATH</u></p> <p><input type="checkbox"/> 1320-College Algebra, or 1321-Trigonometry, or 1330-Introduction to Mathematical Analysis I and</p> <p><input type="checkbox"/> <u>AAEC</u> 2401 -Agricultural Statistics (or MATH 2300)</p> <p><input type="checkbox"/> Language, Philosophy & Culture (3 hrs) _____</p> <p><input type="checkbox"/> Multicultural Requirement (3 hrs) _____</p> <p><input type="checkbox"/> Creative Arts (3 hrs) _____</p> <p><input type="checkbox"/> Foreign Language (1 year) or 2 years High School Credit _____</p> <p><small>** It's important to note that AAEC 1301 does not substitute for AAEC 2305 as a prerequisite for upper level coursework (Agribusiness Minor).</small></p>	<p><u>PSS Core (28 – 29 Hours)</u></p> <p><input type="checkbox"/> 1100-Freshman & Transfer Student Seminar*</p> <p><input type="checkbox"/> 1411-Principles of Horticulture or 1321-Agronomic Plant Science</p> <p><input type="checkbox"/> 2401-Introductory Entomology</p> <p><input type="checkbox"/> 2432-Principles & Practices in Soils</p> <p><input type="checkbox"/> 3323-Crop Physiology*</p> <p><input type="checkbox"/> 3421-Fundamental Principles of Genetics</p> <p><input type="checkbox"/> 4100-Seminar*</p> <p><input type="checkbox"/> 4421-Principles of Weed Science*</p> <p><input type="checkbox"/> 4425-Introductory Plant Pathology</p> <p>Classes designated with (*) are part of the Department's Communication Literacy Plan and cannot be substituted.</p> <p><u>Required Concentration Hours (28 hours):</u></p> <p><input type="checkbox"/> PSS 4301-Agricultural Compounds</p> <p><input type="checkbox"/> 4325-Crop Water Management</p> <p><input type="checkbox"/> 4330-Environmental Soil Chemistry</p> <p><input type="checkbox"/> 4331-Soil Microbial Ecology</p> <p><input type="checkbox"/> 4332-Soil Classification</p> <p><input type="checkbox"/> 4335-Soil Fertility & Nutrient Management</p> <p><input type="checkbox"/> 4337-Environmental Soil Science</p> <p><input type="checkbox"/> GIST 3300-Geographic Information Systems</p> <p><input type="checkbox"/> CHEM 2303 & 2103 or 3305 & 3105</p> <p><u>Additional Concentration Hours (11-12 hours):</u></p> <p><input type="checkbox"/> PSS 2316-Introduction to Sustainable Agriculture</p> <p><input type="checkbox"/> 3309-Introduction to Turfgrass Science</p> <p><input type="checkbox"/> 3321-Forage & Pasture Crops</p> <p><input type="checkbox"/> 3322-Grain, Fiber, & Oilseed Crops</p> <p><input type="checkbox"/> 4000-Internship</p> <p><input type="checkbox"/> 4001-Problems</p> <p><input type="checkbox"/> 4305-Integrated Pest Management</p> <p><input type="checkbox"/> 4316-Landscape Water Conservation & Ecology</p> <p><input type="checkbox"/> 4336-Soil Physical Properties</p> <p><input type="checkbox"/> GEOL 1303-Physical Geology</p> <p><input type="checkbox"/> GIST 3301-Remote Sensing of the Environment</p> <p><input type="checkbox"/> NRM 4314-Watershed Planning</p> <p>✓ Students must earn a "C" or better in all PSS courses.</p> <p>✓ In order to graduate, all PSS students must pass a minimum of 40 credit hours of 3000 or 4000 level courses.</p> <p>✓ Total hours required for degree: <u>120</u></p>
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Other hours earned: _____