Major: Plant and Soil Science  
Concentration: Environmental Soil & Water Science  
Catalog year: 2018 - 2019  

Name: __________________________________  R# ________________________________

General Course Requirements (52 hours)  
Plant and Soil Science Core Requirements (68 hours)

<table>
<thead>
<tr>
<th>BIOL</th>
<th>CHEM</th>
<th>ENGL</th>
<th>PSS Core (28 – 29 Hours)</th>
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<tbody>
<tr>
<td>✓ 1401-Biology of Plants</td>
<td>✓ 1307-Chemistry I &amp; 1107-Chemistry I Lab</td>
<td>✓ 1301-Essentials of College Rhetoric</td>
<td>✓ 1100-Freshman &amp; Transfer Student Seminar*</td>
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<td>✓ 1308-Chemistry II &amp; 1108-Chemistry II Lab</td>
<td>✓ 1302-Advanced College Rhetoric</td>
<td>✓ 1411-Principles of Horticulture or 1321-Agronomic Plant Science</td>
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<td></td>
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<td>✓ 2311-Intro. to Technical Writing or 3365-Professional Report Writing or ACOM 2302-Scientific Communications in Agriculture &amp; Natural Resources</td>
<td>✓ 2401-Introductory Entomology</td>
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<td>✓ 2432-Principles &amp; Practices in Soils</td>
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<td>✓ 3323-Crop Physiology*</td>
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<td>✓ 3421-Fundamental Principles of Genetics</td>
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<td>✓ 4100-Seminar*</td>
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<td>✓ 4421-Principles of Weed Science*</td>
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<td>✓ 4425-Introductory Plant Pathology</td>
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Classes designated with (*) are part of the Department’s Communication Literacy Plan and cannot be substituted.

Required Concentration Hours (28 hours):

- PSS 4301-Agricultural Compounds
- 4325-Crop Water Management
- 4330-Environmental Soil Chemistry
- 4331-Soil Microbial Ecology
- 4332-Soil Classification
- 4335-Soil Fertility & Nutrient Management
- 4337-Environmental Soil Science
- GIST 3300-Geographic Information Systems
- CHEM 2303 & 2103 or 3305 & 3105

Additional Concentration Hours (11-12 hours):

- PSS 2316-Introduction to Sustainable Agriculture
- 3309-Introduction to Turfgrass Science
- 3321-Forage & Pasture Crops
- 3322-Grain, Fiber, & Oilseed Crops
- 4000-Internship
- 4001-Problems
- 4305-Integrated Pest Management
- 4316-Landscape Water Conservation & Ecology
- 4336-Soil Physical Properties
- GEOL 1303-Physical Geology
- GIST 3301-Remote Sensing of the Environment
- NRM 4314-Watershed Planning

✓ 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: ___________________________