Code # AG20 (2014) Rev

**Bulletin Change Transmittal Form**

**Undergraduate Curriculum Council** - Print 1 copy for signatures and save 1 electronic copy.

**Graduate Council** - Print 1 copy for signatures and send 1 electronic copy to [pheath@astate.edu](mailto:pheath@astate.edu)

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| **Bulletin Change** Please attach a copy of all catalogue pages requiring editorial changes. |

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| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **COPE Chair (if applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Chair:** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **General Education Committee Chair (If applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Undergraduate Curriculum Council Chair** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Graduate Curriculum Committee Chair** |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Vice Chancellor for Academic Affairs** |

**1.Contact Person** (Name, Email Address, Phone Number)

Kim Pittcock, [kpittcoc@astate.edu](mailto:kpittcoc@astate.edu), 2087

**2.Proposed Change**

Add AGST and AGRI prefixes to the 3 majors in Plant and Soil Science

**3.Effective Date**

Fall 2015

**4.Justification**

AGST is a new prefix that has many relevant courses for emphasis areas in this major. AGRI has courses that are relevant in this major.

**From the most current electronic version of the bulletin, copy all bulletin pages that this proposal affects and paste it to the end of this proposal.**

**To copy from the bulletin:**

1. Minimize this form.
2. Go to <http://registrar.astate.edu/bulletin.htm> and choose either undergraduate or graduate.
3. This will take you to a list of the bulletins by year, please open the most current bulletin.
4. Find the page(s) you wish to copy, click on the “select” button and highlight the pages you want to copy.
5. Right-click on the highlighted area.
6. Click on “copy”.
7. Minimize the bulletin and maximize this page.
8. Right-click immediately below this area and choose “paste”.
9. For additions to the bulletin, please change font color and make the font size larger than the surrounding text. Make it noticeable.
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**Major in Plant and Soil Science**

**Bachelor of Science in Agriculture**

**Emphasis in Agronomy**

A [complete 8-semester degree plan is available at http://registrar.astate.edu/.](http://registrar.astate.edu/)

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| **University Requirements:** |  |
| See University General Requirements for Baccalaureate degrees (p. 41) |  |
| **First Year Making Connections Course** | **Sem. Hrs.** |
| AGRI 1213, Making Connections in Agriculture | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 84)  **Students with this major must take the following:**  *MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite*  *CHEM 1043* ***AND*** *1041, Fundamental Concepts of Chemistry and Lab*  *BIOL 1003* ***AND*** *1001, Biological Sciences and Laboratory*  *COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **College of Agriculture Core Courses:** | **Sem. Hrs.** |
| (See Beginning of Agriculture Section) | **18** |
| **Major Requirements:** | **Sem. Hrs.** |
| AGEC 3013, Agricultural Records **OR**  CIT 1503, Microcomputer Applications | 3 |
| AGRI 2213, Genetic Improvement of Plants and Animals | 3 |
| AGRI 4223, Agriculture and the Environment | 3 |
| BIO 3303 AND 3301, General Entomology and Laboratory **OR**  BIO 3313 AND 3311, Economic Entomology and Laboratory | ~~4~~ |
| PSSC 3313, Plant Disease Management | 3 |
| PSSC 2811, Soils Laboratory | 1 |
| PSSC 1301, Plant Science Laboratory | 1 |
| PSSC 4313, Plant Growth and Development | 3 |
| **Sub-total** | **21** |
| **Emphasis Area (Agronomy):** | **Sem. Hrs.** |
| AGRI 3543, Fundamentals of GIS | 3 |
| CHEM 1052, Fundamentals Concepts of Chemistry II | 2 |
| PSSC 3323, Weeds and Weed Control | 3 |
| PSSC 3503, Agricultural Spatial Technologies | 3 |
| PSSC 4813, Soil Fertility | 3 |
| AGRI, AGST, PSSC or HORT electives, or BIO 1503, Biology of Plants, or related area | 18 |
| **Sub-total** | **32** |
| **Electives:** | **Sem. Hrs.** |
| Electives | **~~11~~ 12** |
| **Total Required Hours:** | **120** |

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**Major in Plant and Soil Science**

**Bachelor of Science in Agriculture**

**Emphasis in Science/Research**

A [complete 8-semester degree plan is available at http://registrar.astate.edu/.](http://registrar.astate.edu/)

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| **University Requirements:** |  |
| See University General Requirements for Baccalaureate degrees (p. 41) |  |
| **First Year Making Connections Course** | **Sem. Hrs.** |
| AGRI 1213, Making Connections in Agriculture | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 84)  **Students with this major must take the following:**  *MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite*  *CHEM 1013* ***AND*** *CHEM 1011, General Chemistry I and Laboratory*  *BIOL 1003* ***AND*** *1001, Biological Sciences and Laboratory*  *COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **College of Agriculture Core Courses:** | **Sem. Hrs.** |
| (See Beginning of Agriculture Section) | **18** |
| **Major Requirements:** | **Sem. Hrs.** |
| AGEC 3013, Agricultural Records **OR**  CIT 1503, Microcomputer Applications | 3 |
| AGRI 2213, Genetic Improvement of Plants and Animals | 3 |
| AGRI 4223, Agriculture and the Environment | 3 |
| BIO 1503 **AND** 1501, Biology of Plants and Laboratory | 4 |
| BIO 3303 AND 3301, General Entomology and Laboratory **OR**  BIO 3313 AND 3311, Economic Entomology and Laboratory | ~~4~~ |
| PSSC 3313, Plant Disease Management | 3 |
| PSSC 2811, Soils Laboratory | 1 |
| PSSC 1301, Plant Science Laboratory | 1 |
| PSSC 4313, Plant Growth and Development | 3 |
| **Sub-total** | **25** |
| **Emphasis Area (Science/Research):** | **Sem. Hrs.** |
| CHEM 1023 **AND** 1021, General Chemistry II and Laboratory | 4 |
| CHEM 3103 **AND** 3101, Organic I and Laboratory | 4 |
| CHEM 3113 **AND** 3111, Organic II and Laboratory | 4 |
| CHEM 4243, Biochemistry | 3 |
| **Select one of the following:**  MATH 2204, Calculus I  MATH 2194, Survey of Calculus  AGRI 4233, Experimental Agricultural Statistics | 3-4 |
| AGRI, AGST, PSSC or HORT electives or related area | 10-11 |
| **Sub-total** | **29** |
| **Electives:** | **Sem. Hrs.** |
| Electives | **~~10~~ 11** |
| **Total Required Hours:** | **120** |

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**Major in Plant and Soil Science**

**Bachelor of Science in Agriculture**

**Emphasis in Environmental Horticulture**

A [complete 8-semester degree plan is available at http://registrar.astate.edu/.](http://registrar.astate.edu/)

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| **University Requirements:** |  |
| See University General Requirements for Baccalaureate degrees (p. 41) |  |
| **First Year Making Connections Course** | **Sem. Hrs.** |
| AGRI 1213, Making Connections in Agriculture | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 84)  **Students with this major must take the following:**  *MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite*  *CHEM 1043* ***AND*** *1041, Fundamental Concepts of Chemistry and Lab*  *BIOL 1003* ***AND*** *1001, Biological Sciences and Laboratory*  *COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **College of Agriculture Core Courses:** | **Sem. Hrs.** |
| (See Beginning of Agriculture Section) | **18** |
| **Major Requirements:** | **Sem. Hrs.** |
| AGEC 3013, Agricultural Records **OR**  CIT 1503, Microcomputer Applications | 3 |
| AGRI 2213, Genetic Improvement of Plants and Animals | 3 |
| AGRI 4223, Agriculture and the Environment | 3 |
| BIO 3303 AND 3301, General Entomology and Laboratory **OR**  BIO 3313 AND 3311, Economic Entomology and Laboratory | ~~4~~ |
| PSSC 3313, Plant Disease Management | 3 |
| PSSC 2811, Soils Laboratory | 1 |
| PSSC 1301, Plant Science Laboratory | 1 |
| PSSC 4313, Plant Growth and Development | 3 |
| **Sub-total** | **21** |
| **Emphasis Area (Environmental Horticulture):** | **Sem. Hrs.** |
| CHEM 1052, Fundamental Concepts of Organic and Biochemistry | 2 |
| HORT 3293, Landscape Plant Materials | 3 |
| HORT 2253, Fundamentals of Horticulture | 3 |
| HORT 4253, Greenhouse Management | 3 |
| HORT electives, or BIO 1503, Biology of Plants, or related area | 18 |
| AGRI, AGST, PSSC 3323, Weeds and Weed Control | 3 |
| **Sub-total** | **32** |
| **Electives:** | **Sem. Hrs.** |
| Electives | **~~11~~ 12** |
| **Total Required Hours:** | **120** |

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