Code # AG15 (2014)

**Bulletin Change Transmittal Form**

**X 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)

Donald Kennedy, [dkennedy@astate.edu](mailto:dkennedy@astate.edu), X 3704

**2.Proposed Change**

**AG CORE (P. 101)**

PSSC 2813, Soils was removed from Ag core for Pre-Vet students to free up more elective hours for Pre-Vet students to take upper-level science courses

**MAJOR: ANIMAL SCIENCE EMPHASIS: PRE-VETERINARY**

1. Moved Microbiology courses from specific gen ed requirements to major requirements; students will now select one of the gen. ed. biology courses.

2. Removed list of ANSC courses to choose from, to give students more options to meet the 12-hour, upper-level ANSC course requirement

3. Added upper-level support electives

4. Waived PSSC 2813, Soils, as an Ag Core requirement for Pre-Vet students only.

**3.Effective Date**

fall 2015

**4.Justification**

1. AG CORE (PAGE 101): The CoAT Faculty voted to allow Pre-Vet students to have a different core because of additional pre-professional requirements for chemistry and biology.

2. CHANGES TO PRE-VET EMPHASIS (PAGE 114) Provides more flexibility for students in general.

**PAGE 101**

Page 101.

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| College of Agriculture Core Courses: | Sem. Hrs. |
| AGEC 1003, Introduction to Agricultural Business | 3 |
| AGRI 3233, Applied Agricultural Statistics OR  ECON 2113, Business Statistics OR  STAT 3233, Applied Statistics I | 3 |
| AGRI 3723, Agricultural Connections: Technical Interpretation and Professional Applications | 3 |
| ANSC 1613, Introduction to Animal Science | 3 |
| PSSC 1303, Introduction to Plant Science | 3 |
| \*PSSC 2813, Soils | 3 |
| Total Required Hours: | 18 |

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**Agricultural Programs**

**COLLEGE OF AGRICULTURE CORE COURSES**

\* Not required for Animal Science -Pre-veterinary Medicine emphasis

**PAGE 114**

**Major in Animal Science**

Bachelor of Science in Agriculture Emphasis in Pre-veterinary

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:  ~~In order to receive General Education credit for either of the microbiology courses, students with this major must take BIO 1303 AND 1301, Biology of Animals and Laboratory. The credit hours for the Biology of Animal courses will NOT count toward the total General Education hours.~~ | 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 1011, General Chemistry I and Laboratory OR  ~~CHEM 1043 AND 1041, Fundamental Concepts of Chemistry and Laboratory~~  ~~BIO 4104, Microbiology~~  ECON 2313, Principles of Macroeconomics OR ECON 2333, Economic issues and Concepts  COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option) | 35 |
| College of Agriculture Core Courses: | Sem. Hrs. |
| (See Beginning of Agriculture Section) Pre-veterinarian emphasis students are exempt from PSSC 2813, Soils. | 15 |
| Major Requirements: | Sem. Hrs. |
| CHEM 1023 AND 1021, General Chemistry II and Laboratory | 4 |
| ~~BIO 1303 AND 1301, Biology of Animals and Lab OR~~  ~~BIO 2013 AND 2011, Biology of the Cell and Lab~~ BIO 2103 and 2101, Microbiology for Nursing and Health Professions OR BIO 4104, Microbiology | 4 |
| ANSC 1621, Introduction to Animal Science Laboratory | 1 |
| ANSC 3613, Nutritional Management of Domestic Animals | 3 |
| ANSC 3633, Veterinary Anatomy and Physiology | 3 |
| AGRI 2213, Genetic Improvement of Plants and Animals OR  BIO 3013, Genetics | 3 |
| Animal Science (ANSC) Upper-Level Electives  ~~Select three of the following:~~  ~~ANSC 3203, Small Animal Care and Management~~  ~~ANSC 3653, Meat Science and Processing~~  ~~ANSC 3663, Sheep Production ANSC 4613, Horse Production ANSC 4623, Beef Production~~  ~~ANSC 4643 Techniques of Farm Animal Production~~ | 9 |
| Sub-total | 27 |
| Emphasis Area (Pre-veterinary): | Sem. Hrs. |
| ANSC 4673, Digestive Physiology and Nutrition of Animals | 3 |
| ANSC 4683, Theriogenology | 3 |
| CHEM 3103 AND 3101, Organic Chemistry I and Laboratory | 4 |
| CHEM 3113 AND 3111, Organic Chemistry II and Laboratory | 4 |
| CHEM 4243, Biochemistry | 3 |
| MATH 1033, Plane Trigonometry OR  MATH 1054, Precalculus | 3-4 |
| PHYS 2054, General Physics I | 4 |
| PHYS 2064, General Physics II | 4 |
| Sub-total | ~~24-25~~  28-29 |
| Electives: (some upper-level hours may be required to meet the 45-credit hour minimum) | Sem. Hrs. ~~12-13~~ 11-12 |