

Name: \_\_\_\_\_ PUID: \_\_\_\_\_ Date: \_\_\_\_\_

**Required Major Courses (12 credits)**

- \_\_\_\_\_ (3) ANSC 10200 Introduction to Animal Agriculture (UCC STS Selective)
- \_\_\_\_\_ (1) ANSC 18100 Orientation to Animal Sciences
- \_\_\_\_\_ (3) ANSC 22100<sup>cc</sup> Principles of Animal Nutrition
- \_\_\_\_\_ (4) ANSC 23000 Physiology of Domestic Animals
- \_\_\_\_\_ (1) ANSC 48100 Contemporary Issues in Animal Sciences

**ANSC Restricted Selectives (21 credits)**

- \_\_\_\_\_ (4) Animal Genetics Selective<sup>5</sup>
- \_\_\_\_\_ (3) Animal Nutrition Selective<sup>6</sup>
- \_\_\_\_\_ (3) Animal Physiology Selective<sup>7</sup>
- \_\_\_\_\_ (3) Animal Production/Management selective<sup>8</sup>
- \_\_\_\_\_ (3) Animal Products Selective<sup>9</sup>
- \_\_\_\_\_ (5) Animal Sciences Selectives<sup>10</sup>

**Other Departmental/ Program Course Requirements (79 credits)**

- \_\_\_\_\_ (0.5) AGR 10100 Introduction to the College of Agriculture and Purdue University
- \_\_\_\_\_ (0.5) AGR 11400 Introduction to Animal Sciences Academic Program
- \_\_\_\_\_ (3) AGRY 32000 Genetics
- \_\_\_\_\_ (3) BCHM 30700 Biochemistry
- \_\_\_\_\_ (1) BCHM 30900 Biochemistry Laboratory
- \_\_\_\_\_ (4) BIOL 11000 Fundamentals of Biology I
- \_\_\_\_\_ (4) BIOL 11100 Fundamentals of Biology II
- \_\_\_\_\_ (3) CHM 11500 General Chemistry (satisfies Science #1 for core)
- \_\_\_\_\_ (3) CHM 11600 General Chemistry (satisfies Science #2 for core)
- \_\_\_\_\_ (3) CHM 25500 Organic Chemistry
- \_\_\_\_\_ (1) CHM 25501 Organic Chemistry Laboratory
- \_\_\_\_\_ (3) CHM 25600 Organic Chemistry
- \_\_\_\_\_ (1) CHM 25601 Organic Chemistry Laboratory
- \_\_\_\_\_ (3) MA 16010 Applied Calculus I (satisfies Quantitative Reasoning for core)
- \_\_\_\_\_ (3) STAT 30100 Elementary Statistical Methods (satisfies Information Literacy for core)
- \_\_\_\_\_ (12) Science Selective<sup>11</sup>
- \_\_\_\_\_ (3) Economics Selective (satisfies Human Culture Behavioral/Social Science for core)<sup>3</sup>
- \_\_\_\_\_ (3) UCC Humanities Selective (satisfies Human Cultures Humanities for core)<sup>1</sup>
- \_\_\_\_\_ (3) Humanities or Social Science Selective<sup>2</sup>
- \_\_\_\_\_ (3) Humanities or Social Science Selective<sup>2</sup>
- \_\_\_\_\_ (3) Humanities or Social Science Selective (30000+ level)<sup>2</sup>
- \_\_\_\_\_ (4) ENGL 10600 First-Year Composition (satisfies Written Communication for core) (satisfies Information Literacy Selective for core)
- \_\_\_\_\_ (3) COM 11400 Fundamentals of Speech Communication (satisfies Oral Communication for core)
- \_\_\_\_\_ (3) Or COM 21700 Science Writing and Presentation
- \_\_\_\_\_ (3) Written or Oral Communications Selective<sup>4</sup>

**Electives (8 credits)**

- \_\_\_\_\_ (8) Elective

**University Core Requirements (<http://www.purdue.edu/provost/initiatives/curriculum/course.html>)**

|  |                          |       |   |                          |       |
|--|--------------------------|-------|---|--------------------------|-------|
| Human Cultures Humanities                | <input type="checkbox"/> | _____ | Science, Technology & Society Selective | <input type="checkbox"/> | _____ |
| Human Cultures Behavioral/Social Science | <input type="checkbox"/> | _____ | Written Communication                   | <input type="checkbox"/> | _____ |
| Information Literacy                     | <input type="checkbox"/> | _____ | Oral Communication                      | <input type="checkbox"/> | _____ |
| Science Selective                        | <input type="checkbox"/> | _____ | Quantitative Reasoning                  | <input type="checkbox"/> | _____ |
| Science Selective                        | <input type="checkbox"/> | _____ |   |                          |       |

**College of Agriculture & University Level Requirements ([https://ag.purdue.edu/oap/Pages/core\\_requirements.aspx](https://ag.purdue.edu/oap/Pages/core_requirements.aspx))**

|   |                          |       |                          |       |                          |
|---|--------------------------|-------|--------------------------|-------|--------------------------|
| 3 credits Multicultural Awareness   | <input type="checkbox"/> | _____ |                          |       |                          |
| 9 credits International Understanding                                       | <input type="checkbox"/> | _____ | <input type="checkbox"/> | _____ | <input type="checkbox"/> |
| 9 credits of Hum. And/or Social Sciences outside the College of Agriculture | <input type="checkbox"/> | _____ | <input type="checkbox"/> | _____ | <input type="checkbox"/> |
| 3 credits of Hum. And/or Social Science at 30000 or higher                  | <input type="checkbox"/> | _____ |                          |       |                          |

## Animal Sciences: Biosciences

### Suggested Arrangement of Courses:

| Credits   | Fall 1st Year  | Prerequisite | Credits   | Spring 1st Year                           | Prerequisite |
|-----------|--|--------------|-----------|---|--------------|
| 0.5       | AGR 10100 Introduction to the College of Agriculture and Purdue University |              | 1         | ANSC 18100 Orientation to Animal Sciences |              |
| 0.5       | AGR 11400 Introduction to Animal Sciences Academic Programs                |              | 4         | BIOL 11100 Fundamentals of Biology II     | BIOL 11000   |
| 3         | ANSC 10200 Introduction to Animal Agriculture                              |              | 4         | CHM 11600 General Chemistry               | CHM 11500    |
| 4         | BIOL 11000 Fundamentals of Biology I                                       |              | 4         | ENGL 10600 First-Year Composition         |              |
| 4         | CHM 11500 General Chemistry  |              | 3         | MA 16020 Applied Calculus II              | MA 16010     |
| 3         | MA 16010 Applied Calculus I  | ALEKS 75+    |           |   |              |
| <b>15</b> |  |              | <b>16</b> |   |              |

| Credits   | Fall 2nd Year  | Prerequisite | Credits   | Spring 2nd Year                           | Prerequisite |
|-----------|--|--------------|-----------|---|--------------|
| 3         | ANSC 22100 <sup>cc</sup> Principles of Animal Nutrition                | CHM 11100    | 3         | AGRY 32000 Genetics                       | BIOL 11100   |
| 3         | CHM 25500 Organic Chemistry  | CHM 11200    | 1         | AGRY 32100 Genetics Laboratory            |              |
| 1         | CHM 25501 Organic Chemistry Laboratory                                 |              | 4         | ANSC 23000 Physiology of Domestic Animals | BIOL 11100   |
| 3         | COM 11400 Fundamentals of Speech or COM 21700 Scientific Communication |              | 3         | CHM 25600 Organic Chemistry               | CHM 25500    |
| 2         | Animal Sciences Selective  |              | 1         | CHM 25601 Organic Chemistry Laboratory    |              |
| 3         | Economics Selective  |              | 3         | UCC Humanities Selective                  |              |
| <b>16</b> |  |              | <b>15</b> |   |              |

| Credits   | Fall 3rd Year                             | Prerequisite | Credits   | Spring 3rd Year                        | Prerequisite             |
|-----------|---|--------------|-----------|--|--------------------------|
| 3         | BCHM 30700 Biochemistry                   | CHM 25600    | 4         | Animal Genetics Selective              | AGRY 32000<br>STAT 30100 |
| 1         | BCHM 30900 Biochemistry Laboratory        | BCHM 307     | 3         | Animal Nutrition Selective             | ANSC 22100               |
| 3         | STAT 30100 Elementary Statistical Methods |              | 3         | Humanities or Social Science Selective |                          |
| 3         | Animal Physiology Selective               | ANSC 23000   | 3         | Science Selective                      |                          |
| 3         | Science Selective                         |              | 2         | Elective                               |                          |
| 3         | Humanities or Social Science Selective    |              |           |  |                          |
| <b>16</b> |   |              | <b>15</b> |  |                          |

| Credits   | Fall 4th Year   | Prerequisite         | Credits   | Spring 4th Year           | Prerequisite |
|-----------|---|----------------------|-----------|---------------------------|--------------|
| 1         | ANSC 48100 Contemporary Issues in Animal Sciences     |                      | 3         | Animal Products Selective |              |
| 3         | Animal Production/Management Selective                | ANSC 22100,<br>23000 | 6         | Sciences Selectives       |              |
| 3         | Humanities or Social Science Selective (30000+ level) |                      | 4         | Electives                 |              |
| 3         | Animal Sciences Selective                             |                      |           |                           |              |
| 3         | Written or Oral Communication Selective               |                      |           |                           |              |
| 2         | Elective  |                      |           |                           |              |
| <b>15</b> |   |                      | <b>13</b> |                           |              |

- 1) 120 credits listed above are required for Bachelor of Science degree.
- 2) 2.0 Graduation GPA required for Bachelor of Science degree.
- 3) 32 credits of upper division courses (30000 level or higher) must be taken at Purdue University, West Lafayette.
- 4) ANY COURSE TAKEN AT PURDUE CAN BE ATTEMPTED NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF, I AND IF).
- 5) CC = is considered a critical course

See next page for all supplemental information

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The student is ultimately responsible for knowing and completing all degree requirements.  
myPurdue Plan is knowledge source for specific requirements and completion

# ASCI/BISC Supplemental Information

All prerequisites must be met

## **<sup>1</sup>University Core Curriculum Humanities Selective (3 credits)**

See approved Humanities list at: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

## **<sup>2</sup>Humanities and Social Science Selective (9 credits)**

See approved list at: [https://ag.purdue.edu/oap/pages/core-social\\_humanities.aspx](https://ag.purdue.edu/oap/pages/core-social_humanities.aspx)

## **<sup>3</sup>Economics Selective (3 credits)**

|  |                                    |                           |
|--|------------------------------------|---------------------------|
| AGEC 20300 Introductory Microeconomics for Food and Agribusiness       | AGEC 21700 Economics               | ECON 25100 Microeconomics |
| AGEC 20400 Introduction to Resource Economics and Environmental Policy | ECON 21000 Principles of Economics | ECON 25200 Macroeconomics |

## **<sup>4</sup>Written or Oral Communication Selective (3 credits)**

|  |                  |  |
|--|------------------|--|
| AGR 20100 Communication Across Culture | COM 20000-59900  | YDAE 44000 Methods of Teaching Agriculture Education |
| ASL 10000-59900                        | ENGL 20000-59900 |  |

## **<sup>5</sup>Animal Genetics Selective (3-4 credits)**

|                                |                                 |  |
|--------------------------------|---------------------------------|--|
| ANSC 31100 Animal Breeding     | ANSC 51400 Animal Biotechnology | BIOL 41500 Introduction to Molecular Biology |
| ANSC 51100 Population Genetics |                                 |  |

## **<sup>6</sup>Animal Nutrition Selective (3 credits)**

|                                     |  |
|-------------------------------------|--|
| ANSC 32400 Applied Animal Nutrition | ANSC 52400 Ruminant Nutrition and Physiology |
| ANSC 52200 Monogastric Nutrition    |  |

## **<sup>7</sup>Animal Physiology Selective (3 credits)**

|   |  |  |
|---|--|--|
| ANSC 33200 Environmental Physiology of Domestic Animals | ANSC 53500 Avian Physiology                              | ANSC 55500 Animal Growth and Development |
| ANSC 33300 Physiology of Reproduction                   | ANSC 55100 Muscle Development, Physiology, and Chemistry | BMS 52800 Avian Physiology               |

## **<sup>8</sup>Animal Production Management Selective (3 credits)**

|                             |                             |  |
|-----------------------------|-----------------------------|--|
| ANSC 44000 Horse Management | ANSC 44300 Swine Management | ANSC 44500 Commercial Poultry Management |
| ANSC 44100 Beef Management  | ANSC 44400 Dairy Management | ANSC 44600 Companion Animal Management   |
| ANSC 44200 Sheep Management |                             |  |

## **<sup>9</sup>Animal Products Selective (3 to 4 credits)**

|   |                         |
|---|-------------------------|
| ANSC 30100 Animal Growth, Development, and Evaluation | ANSC 35100 Meat Science |
|---|-------------------------|

## **<sup>10</sup>Animal Science Selective (3 to 4 credits)**

ANSC 10100 – 59500

## **<sup>11</sup>Science Selectives (12 credits)**

|  |  |  |
|--|--|--|
| ANSC 49100 Specific Problems                                       | ENTM 52500 Medical and Veterinary Entomology | MA 26100-59800   |
| BCHM 22100 Analytical Biochemistry                                 | FS 34100 Food Processing I                   | MCMP 44200 Medicinal Chemistry and Molecular Pharmacology IV |
| BCHM 32200-59900   | FS 36200 Food Microbiology                   | MCMP 56000 Toxicology  |
| BIOL 21200-59900   | PHYS 27200-49900                             | PHIL 42100 Philosophy of Science                             |
| CHM 32100-49000  | FS 44200 Food Processing II                  | PHPR 20200 Introductory Pharmacology                         |
| CHM 22400 Introductory Quantitative Analysis                       | HSCI 56000 Toxicology                        | PHYS 17200 Modern Mechanics                                  |
| CHM 29000 Selected Topics in Chemistry for Lower-Division Students | IT 22600 Biotechnology Laboratory I          | PHYS 22000-26900   |
| CNIT 22700 Introduction to Bioinformatics                          | IT 22700 Biotechnology Laboratory II         | PHYS 27100-49900   |
| CS 14500-59900   | IT 34200 Introduction to Statistical Quality | STAT 50000-59999   |