## COLLEGE OF AGRICULTURE AND LIFE SCIENCES

### BACHELOR OF SCIENCE IN ANIMAL AND POULTRY SCIENCES

**Major in Animal and Poultry Sciences – Production-Business Option**

**For Students Graduating in Calendar Year 2019**

<table>
<thead>
<tr>
<th>Name:</th>
<th>Student ID #:</th>
</tr>
</thead>
</table>

## CURRICULUM FOR LIBERAL EDUCATION

<table>
<thead>
<tr>
<th>Course &amp; Number</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1014, or *1025 or 1026 (Area 5)</td>
<td>Precalculus with Transcendental Functions</td>
<td>3</td>
</tr>
<tr>
<td>STAT 2004 (Area 5)</td>
<td>Introductory Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1035, 1036 (Area 4)</td>
<td>General Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1045, 1046 (Area 4)</td>
<td>General Chemistry Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 1105, 1106 or 1204H (Area 1)</td>
<td>First Year Writing or Honors First Year Writing</td>
<td>3</td>
</tr>
<tr>
<td>AAEC 1005, 1006 or (Area 3)</td>
<td>Economics of Food &amp; Fiber Systems or Prin. of Econ.</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2005, 2006</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humanities/Fine Arts (Area 2)</td>
<td>Choose from approved list</td>
<td>3</td>
</tr>
<tr>
<td>Creative/Aesthetic Exp. (Area 6)</td>
<td>Choose from approved list</td>
<td>1</td>
</tr>
<tr>
<td>Critical Issues in Global Context (Area 7)</td>
<td>Choose from approved list</td>
<td>0 or 3</td>
</tr>
</tbody>
</table>

**Subtotal** 33 or 36

* Certain Area 7 courses may also count as Area 2 or restricted elective courses. See the Curriculum for Liberal Education Guide for Area 2/Area 7 courses, and the APSC website (http://advising.apsc.vt.edu/majors.cfm) for Area 7/restricted electives.

## MAJOR CORE

<table>
<thead>
<tr>
<th>Course &amp; Number</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1105, 1106 (Area 4)</td>
<td>Principles of Biology**</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1115, 1116</td>
<td>Principles of Biology Lab**</td>
<td>1</td>
</tr>
<tr>
<td>APSC 1454</td>
<td>Intro. to Animal and Poultry Science</td>
<td>3</td>
</tr>
<tr>
<td>APSC 1464</td>
<td>Intro. to Animal and Poultry Science Lab</td>
<td>1</td>
</tr>
<tr>
<td>APSC 1504</td>
<td>APSC First Year Experience</td>
<td>1</td>
</tr>
<tr>
<td>APSC 2004</td>
<td>Animal and Poultry Sciences Seminar</td>
<td>1</td>
</tr>
<tr>
<td>ALS 2304</td>
<td>Comparative Animal Physiology &amp; Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>ALS 3104</td>
<td>Animal Breeding and Genetics</td>
<td>3</td>
</tr>
<tr>
<td>ALS 3204</td>
<td>Animal Nutrition and Feeding</td>
<td>3</td>
</tr>
<tr>
<td>ALS 3304</td>
<td>Physiology of Reproduction</td>
<td>2</td>
</tr>
<tr>
<td>ALS 3314</td>
<td>Physiology of Reproduction Lab</td>
<td>1</td>
</tr>
<tr>
<td>APSC 3254 or BIOL 2604</td>
<td>Animal Products or General Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>APSC 4004</td>
<td>Contemporary Issues in Animal Sciences</td>
<td>2</td>
</tr>
<tr>
<td>APSC 4954</td>
<td>Capstone Experience</td>
<td>2</td>
</tr>
</tbody>
</table>

Choose one of the following courses:

- AAEC 2104, 2434, 3454, or MGT 3304 Personal Fin. Plan, Foundations in Ag. Bus., Small Bus. Mgt. & Entrepreneurship., or Mgt. Theory & Leadership Practice

**Subtotal** 37

**These credits will NOT be included in the calculation of the in-major GPA. Choice must be approved by the APSC Capstone Committee.**

### Graduation Requirements:
In addition to Required Courses listed on the first page, each student must complete courses listed in one of the boxes on pages 3-5 to equal at least 120 credits, with a minimum overall GPA of 2.0000 and a minimum in-major GPA of 2.0000. For purposes of GPA computation, courses in MAJOR CORE will include MAJOR CORE listed on page 1 and all courses designated as in-major in all options on pages 3-6. Some courses in the program requirements listed above may have prerequisites. Be sure to consult the University Catalog or check with your advisor.

An APSC degree may be earned in combination with the first year of work in an accredited medical, dental, or veterinary school, provided that the following requirements are met: at least two of the three years of pre-professional work, including the third year, are in residence at VT; and a minimum of 90 semester credits of undergraduate work that include all the courses listed above as University, College, and Departmental Requirements and at least 1 handling and 1 production class.

### Foreign Language Requirement:
Two semesters of a single foreign language are required unless 2 units of a single foreign language are completed in high school. These credits do not count toward graduation requirements.

### Progress Towards Degree Policy:
Upon the completion of 72 credits, APSC students must have completed CHEM 1036 and 1046, APSC 1454 and 1464, and 6 credits from ALS 2304, 3104, or 3204; have a minimum overall GPA of 2.0; and have completed at least 24 credits that apply to the University Liberal Education requirements.

### Prerequisites:
MATH 1025 is the prerequisite to PHYS 2205

---

Rev. 11/30/16
RESTRICTED AND FREE ELECTIVES

Except for Area 7, courses will not double count. All restricted electives must be taken on an A-F basis unless offered P/F only.

2964, 2974, 2994, 3954, 4964, 4974, and 4984 courses will be approved on a case-by-case basis only.

NOTE: Enrollment in specific courses included on this page is not guaranteed. Consult with your advisor when choosing restricted electives. Some of these courses may have prerequisites.

### Agricultural/Applied Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Cr.</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAEC 2104</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AAEC 3XXX &amp; higher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALCE 2XXX &amp; higher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALS 2XXX &amp; higher</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Cr.</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>APSC (including P/F only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BSE 2XXX &amp; higher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSES 2XXX &amp; higher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DASC 2XXX &amp; higher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENT 2XXX &amp; higher</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Business Electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Cr.</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAEC 2104</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AAEC 2434</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AAEC 3XXX &amp; higher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACIS 1504</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACIS 2XXX &amp; higher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AHRM 2304</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Cr.</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHRM 2404</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APSC 3764</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APSC 4554</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIT 2XXX &amp; higher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 2XXX</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Science Electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Cr.</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALS 2404</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALS 4554</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALS 4574</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APSC 3304</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APSC 4304</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APSC 4224</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APSC 4054</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APSC 3064 or APSC 4064</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APSC 4994 (P/F)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Cr.</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCHM 2XXX &amp; higher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMVS 4XXX &amp; higher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 2XXX &amp; higher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DASC 4304</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DASC 4374</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DASC 4384</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Free Electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Cr.</th>
<th>Grade</th>
</tr>
</thead>
</table>

---

1 Only one of the three may be used as Restricted Electives towards an APSC degree.

2 BMVS 4054 will count as free elective if companion/lab animal emphasis.
# PRODUCTION - BUSINESS OPTION

- Livestock Emphasis -

<table>
<thead>
<tr>
<th>Courses &amp; No.</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Emphasis Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>APSC 2114**</td>
<td>Livestock Mgt. &amp; Handling</td>
<td>1</td>
</tr>
<tr>
<td>APSC/FST 3214</td>
<td>Meat Science</td>
<td>4</td>
</tr>
<tr>
<td><strong>Choose one of the following:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>APSC 4414*</td>
<td>Beef/Sheep Production, or</td>
<td>4</td>
</tr>
<tr>
<td>APSC 4444*</td>
<td>Swine Production</td>
<td>3</td>
</tr>
<tr>
<td>* APSC 2114 is a prerequisite for APSC 4414 and 4444</td>
<td></td>
<td></td>
</tr>
<tr>
<td>* Credits count in the in-major GPA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Restricted Electives**

- Business Electives (Min. 6 cr.)
- CSES Electives (Min. 3 cr.)

**Other:**

- Agri./Applied Electives
- Science Electives

**Credits Needed**

- Bus. Electives
- CSES Electives
- Agric./Appl., Bus, or Science

**Total Restricted Electives** 38**

**NOTE: At least 9 of the 38 credits must be 4XXX**

**Free Electives:**

Choose free electives to

<table>
<thead>
<tr>
<th>total ≥ 120 credits</th>
<th>Needed:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Electives (minimum)** 47 or 50
<table>
<thead>
<tr>
<th>Courses &amp; No.</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>APSC 2104**</td>
<td>Poultry Lab</td>
<td>1</td>
</tr>
<tr>
<td>BMVS 4024</td>
<td>Diseases of Poultry</td>
<td>2</td>
</tr>
<tr>
<td>APSC 4404*</td>
<td>Commercial Poultry Ent. Mgt.</td>
<td>4</td>
</tr>
<tr>
<td>** ALS 2304 is a co-requisite for APSC 2104; **APSC 2104 is a prerequisite for APSC 4404 **Credits count in the in-major GPA</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Restricted Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Electives (Min. 6 cr.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Other:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agric./Appl. Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Credits Needed:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agric./Appl., Bus., or Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Restricted Electives</strong></td>
<td></td>
<td>38**</td>
</tr>
</tbody>
</table>

**NOTE:** At least 9 of the 38 credits must be 4XXX

<table>
<thead>
<tr>
<th>Free Electives:</th>
<th>Choose free electives total ≥ 120 credits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Needed:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Electives (minimum)</strong></td>
<td></td>
<td>47 or 50</td>
</tr>
</tbody>
</table>
# PRODUCTION - BUSINESS OPTION

## Equine Emphasis

<table>
<thead>
<tr>
<th>Courses &amp; No.</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Emphasis Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>APSC 2124*“  Horse Mgt. &amp; Handling Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>APSC 2424’  Intro. to Equine Industry</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>APSC 4424* Horse Production &amp; Mgt.</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>&quot; APSC 2124 and 2424 are prerequisite for APSC 4424</td>
<td></td>
<td></td>
</tr>
<tr>
<td>“ Credits count in the in-major GPA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Restricted Electives

- Business Electives (Min. 6 cr.)

## Other:

- Agri./Appl. Electives
- Science Electives

## Credits Needed:

- Business
- Agric./Appl., Bus., or Science

| Total Restricted Electives | 38** |

**NOTE: At least 9 of the 38 credits must be 4XXX**

## Free Electives:

Choose free electives to

| total ≥ 120 credits Needed: |         |

<p>| Total Electives (minimum)   | 47 or 50 |</p>
<table>
<thead>
<tr>
<th>Courses &amp; No.</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Emphasis Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>APSC 2164&lt;sup&gt;+&lt;/sup&gt;</td>
<td>Comp/Lab Anim. Care &amp; Handling</td>
<td>1</td>
</tr>
<tr>
<td>APSC 3064&lt;sup&gt;+&lt;/sup&gt;</td>
<td>Companion/Lab Anim Science</td>
<td>3</td>
</tr>
<tr>
<td>APSC 4464&lt;sup&gt;+&lt;/sup&gt;</td>
<td>Companion/Lab Animal Health Management</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>* APSC 2164 and 3064 are prerequisite for APSC 4464</td>
<td></td>
<td></td>
</tr>
<tr>
<td>* Credits count in the in-major GPA</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Restricted Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Electives (Min. 6 cr.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Other:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agric./Appl. Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Credits Needed:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agric./Appl., Bus., or Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Restricted Electives</strong></td>
<td></td>
<td>38**</td>
</tr>
</tbody>
</table>

**NOTE: At least 9 of the 38 credits must be 4XXX**

| Free Electives: | Choose free electives to total ≥ 120 credits Needed: Total Electives (minimum) |
|-----------------|---------------------------------------------------------------------------------|-------------------------------------|
|                 |                                                                                  | 47 or 50                            |