

**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 2020**

Name: \_\_\_\_\_ Last Four of Student ID # \_\_\_\_\_

**CURRICULUM FOR LIBERAL EDUCATION**

Course & Number	Title	Credits
MATH 1014, or *1025 or 1026 (Area 5)	Precalculus with Transcendental Functions	3 ___
STAT 2004 (Area 5)	Introductory Statistics	3 ___
CHEM 1035, 1036 (Area 4)	General Chemistry	3 ___ 3 ___
CHEM 1045, 1046 (Area 4)	General Chemistry Lab	1 ___ 1 ___
ENGL 1105, 1106 or 1204H (Area 1)	First Year Writing or Honors First Year Writing	3 ___ 3 ___
AAEC 1005, 1006 or (Area 3)	Economics of Food & Fiber Systems or	3 ___ 3 ___
ECON 2005, 2006	Prin. of Econ.	
Humanities/Fine Arts (Area 2)	Choose from approved list _____	3 ___ 3 ___
Creative/Aesthetic Exp. (Area 6)	Choose from approved list _____	1 ___
Critical Issues in Global Context (Area 7)	Choose from approved list <sup>1</sup> _____	0 or 3 ___
<b>Subtotal</b>		<b>33 or 36<sup>1</sup></b>

<sup>1</sup> 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/major.cfm>) for Area 7/restricted electives.

**MAJOR CORE**

Course & Number	Title	Credits
BIOL 1105, 1106 (Area 4)	Principles of Biology**	3 ___ 3 ___
BIOL 1115, 1116	Principles of Biology Lab**	1 ___ 1 ___
APSC 1454	Intro. to Animal and Poultry Science	3 ___
APSC 1464	Intro. to Animal and Poultry Science Lab	1 ___
APSC 1504	APSC First Year Experience	1 ___
APSC 2004	Animal and Poultry Sciences Seminar	1 ___
ALS 2304	Comparative Animal Physiology & Anatomy	4 ___
ALS 3104	Animal Breeding and Genetics	3 ___
ALS 3204	Animal Nutrition and Feeding	3 ___
ALS 3304	Physiology of Reproduction	2 ___
ALS 3314	Physiology of Reproduction Lab	1 ___
APSC 3254 or BIOL 2604	Animal Products or General Microbiology	3 ___
APSC 4004	Contemporary Issues in Animal Sciences	3 ___
APSC 4954	Capstone Experience	
	Choose in consultation with your advisor**	2 ___
<b>Choose one of the following courses:</b>		
AAEC 2104, 2434, 3454, or MGT 3304	Personal Fin. Plan, Foundations in Ag. Bus., Small Bus. Mgt. & Entrepreneurship., or Mgt. Theory & Leadership Practice	3 ___
<b>Subtotal</b>		<b>38</b>
<b>** These credits will NOT be included in the calculation of the in-major GPA. Choice must be approved by the APSC Capstone Committee.</b>		

**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 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

**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**

AAEC 2104  
AAEC 3XXX & higher  
ALCE 3XXX & higher  
ALS 2XXX & higher

APSC (including P/F only)  
BSE 2XXX & higher  
CSES 2XXX & higher  
DASC 2XXX & higher  
ENT 2XXX & higher

ENGL 3104<sup>1</sup>  
FIW 2XXX & higher  
FST 2XXX & higher  
GEOG 4XXX

HNFE 1004  
HNFE 2XXX & higher  
HORT 2XXX & higher  
PPWS 2XXX & higher

Course	Cr.	Grade

Course	Cr.	Grade

Course	Cr.	Grade

**Business Electives:**

AAEC 2104  
AAEC 2434  
AAEC 3XXX & higher  
ACIS 1504  
ACIS 2XXX & higher  
AHRM 2304

AHRM 2404  
APSC 3764  
APSC 4554  
BIT 2XXX & higher  
COMM 2XXX

ECON 2XXX & higher  
ENGL 3774<sup>1</sup>  
FIN 3XXX & higher; HTM  
2XXX & higher

IS 2XXX & higher  
LDRS 1016  
MGT 3XXX & higher  
MKTG 3XXX & higher

Course	Cr.	Grade

Course	Cr.	Grade

Course	Cr.	Grade

**Science Electives:**

ALS 2404  
ALS 4554  
ALS 4574  
APSC 3304  
APSC 4304  
APSC 4224  
APSC 4054  
APSC 3064 or APSC 4064  
APSC 4994 (P/F)

BCHM 2XXX & higher  
(except 4074)  
BIOL 2XXX & higher  
(except 2204 and 3404)  
BMVS 4XXX & higher<sup>2</sup>  
CHEM 2XXX & higher  
(except 4024)  
DASC 4304  
DASC 4374  
DASC 4384

ENSC 3XXX  
ENT 3XXX  
ENT 4354  
ENGL 3764<sup>1</sup>  
FIW 2314  
FST 3XXX & higher  
HNFE 3XXX

MATH 1015 & higher  
NEUR 2025, 2026, 3044,  
4044  
PHYS 2XXX & higher  
(except 2074, 2325, 2326)  
PPWS 3XXX  
PSYC 2074  
STAT 3XXX & higher  
UH 4994

Course	Cr.	Grade

Course	Cr.	Grade

Course	Cr.	Grade

**Free Electives:**

Course	Cr.	Grade

Course	Cr.	Grade

Course	Cr.	Grade

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

<sup>2</sup> BMVS 4054 will count as free elective if companion/lab animal emphasis.

<b>PRODUCTION - BUSINESS OPTION</b>		
<b>- Livestock Emphasis -</b>		
<b>Courses &amp; No.</b>	<b>Title</b>	<b>Credits</b>
<b><u>Required Emphasis Courses</u></b>		
	APSC 2114*+ Livestock Mgt. & Handling	1 _____
	APSC/FST 3214 Meat Science	4 _____
Choose <b>one</b> of the following:		
	APSC 4414+ Beef/Sheep Production, or	4 _____
	APSC 4444± Swine Production	3 _____
* APSC 2114 is a prerequisite for APSC 4414 and 4444		
+ Credits count in the in-major GPA		
<b><u>Restricted Electives</u></b>		
	Business Electives (Min. 6 cr.)	_____
	CSES Electives (Min. 3 cr.)	_____
<b><u>Other:</u></b>	Agri./Applied Electives	_____
	Science Electives	_____
<b><u>Credits Needed</u></b>		
	Bus. Electives	_____
	CSES Electives	_____
	Agric./Appl., Bus, or Science	_____
	<b>Total Restricted Electives</b>	<b>38**</b>
<b>**NOTE: At least 9 of the 38 credits must be 4XXX</b>		
<b><u>Free Electives:</u></b>	Choose free electives to	_____
	total ≥ 120 credits <b>Needed:</b>	_____
	<b>Total Electives (minimum)</b>	<b>47 or 50</b>

<b>PRODUCTION - BUSINESS OPTION</b>		
<b>- Poultry Emphasis -</b>		
<b>Courses &amp; No.</b>	<b>Title</b>	<b>Credits</b>
<b><u>Required Courses</u></b>		
APSC 2104**	Poultry Lab	1 _____
BMVS 4024	Diseases of Poultry	2 _____
APSC 4404±	Commercial Poultry Ent. Mgt.	4 _____
* ALS 2304 is a co-requisite for APSC 2104; APSC 2104 is a prerequisite for APSC 4404		
± Credits count in the in-major GPA		
<b><u>Restricted Electives</u></b>		
	Business Electives (Min. 6 cr.)	_____
<b><u>Other:</u></b>		
	Agric./Appl. Electives	_____
	Science Electives	_____
<b><u>Credits Needed:</u></b>		
	Business	_____
	Agric./Appl., Bus., or Science	_____
	<b>Total Restricted Electives</b>	<b>38**</b>
<b>**NOTE: At least 9 of the 38 credits must be 4XXX</b>		
<b><u>Free Electives:</u></b>	Choose free electives total ≥ 120 credits	_____
	<b>Needed:</b>	_____
	<b>Total Electives (minimum)</b>	<b>47 or 50</b>

<b>PRODUCTION - BUSINESS OPTION</b>		
<b>- Equine Emphasis -</b>		
<b>Courses &amp; No.</b>	<b>Title</b>	<b>Credits</b>
<b><u>Required Emphasis Courses</u></b>		
APSC 2124 <sup>*,+</sup>	Horse Mgt. & Handling Lab	1 _____
APSC 2424 <sup>*</sup>	Intro. to Equine Industry	3 _____
APSC 4424 <sup>±</sup>	Horse Production & Mgt.	4 _____
* APSC 2124 and 2424 are prerequisite for APSC 4424		
+ Credits count in the in-major GPA		
<b><u>Restricted Electives</u></b>		
	Business Electives (Min. 6 cr.)	_____
<b><u>Other:</u></b>		
	Agri./Appl. Electives	_____
	Science Electives	_____
<b><u>Credits Needed:</u></b>		
	Business	_____
	Agric./Appl., Bus., or Science	_____
	<b>Total Restricted Electives</b>	<b>38**</b>
<b>**NOTE: At least 9 of the 38 credits must be 4XXX</b>		
<b><u>Free Electives:</u></b>	Choose free electives to	_____
	total ≥ 120 credits <b>Needed:</b>	_____
	<b>Total Electives (minimum)</b>	<b>47 or 50</b>

<b>PRODUCTION - BUSINESS OPTION</b>		
<b>- Companion and Laboratory Animal Emphasis -</b>		
Courses & No.	Title	Credits
<b><u>Required Emphasis Courses</u></b>		
APSC 2164 <sup>*†</sup>	Comp/Lab Anim. Care & Handling	1 _____
APSC 3064 <sup>*</sup>	Companion/Lab Anim Science	3 _____
APSC 4464 <sup>†</sup>	Companion/Lab Animal Health Management	4 _____
<p>* APSC 2164 and 3064 are prerequisite for APSC 4464            † Credits count in the in-major GPA</p>		
<b><u>Restricted Electives</u></b>		
	Business Electives (Min. 6 cr.)	_____
<b><u>Other:</u></b>		
	Agric./Appl. Electives	_____
	Science Electives	_____
<b><u>Credits Needed:</u></b>		
	Business	_____
	Agric./Appl., Bus., or Science	_____
	<b>Total Restricted Electives</b>	<b>38**</b>
<b>**NOTE: At least 9 of the 38 credits must be 4XXX</b>		
<b><u>Free Electives:</u></b> Choose free electives to		
	total ≥ 120 credits <b>Needed:</b>	_____
	<b>Total Electives (minimum)</b>	<b>47 or 50</b>