

COLLEGE OF AGRICULTURE AND LIFE SCIENCES
BACHELOR OF SCIENCE IN ANIMAL AND POULTRY SCIENCES
Major in Animal and Poultry Sciences -- Science Option
For Students Graduating in Calendar Year 2020

Name: _____ Last 4 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 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 ¹ _____	0 or 3 _____
Subtotal		33 or 36¹

¹ 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 _____
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	3 _____
Subtotal		38

**** 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 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 3104¹
FIW 2XXX & higher
FST 2XXX
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 3774¹
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 & higher²
CHEM 2XXX & higher
(except 4024)
DASC 4304
DASC 4374
DASC 4384

ENSC 3XXX
ENT 3XXX
ENT 4354
ENGL 3764¹
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

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.

SCIENCE OPTION - Livestock Emphasis -		
Course & No.	Title	Credits
<u>Required Emphasis Courses</u>		
APSC 2114* ⁺	Livestock Management and Handling	1 _____
Choose one of the following:		
APSC 4414 ⁺	Beef/Sheep Production	4 _____
APSC 4444 ⁺	Swine Production	or 3 _____
*APSC 2114 is a prerequisite for APSC 4414 and 4444		
⁺ Credits count in the in-major GPA		
<u>Restricted Electives</u>		
Science Electives (Minimum 15 cr.)		_____
<u>Other:</u>		
Agricultural/Applied Electives		_____
Business Electives		_____
<u>Credits Needed:</u>		
Science Electives		_____
Agric./Applied, Business, or Science Electives		_____
Total Restricted Electives		38**
**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

SCIENCE OPTION - Poultry Emphasis -		
Course & No.	Title	Credits
Required Emphasis Courses:		
APSC 2104* ⁺	Poultry Lab	1 _____
APSC 4404 ⁺	Commercial Poultry Enterprise Management	4 _____
* ALS 2304 is a co-requisite of APSC 2104; APSC 2104 is a prerequisite for APSC 4404 ⁺ Credits count in the in-major GPA		
Restricted Electives		
	Science Electives (Minimum 15 cr.)	_____
	Other:	
	Agric./Applied Electives	_____
	Business Electives	_____
	Credits Needed:	
	Science Electives	_____
	Agric./Applied, Business, or Science Electives	_____
	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:	_____
	Total Electives (minimum)	47 or 50

SCIENCE OPTION - Equine Emphasis -		
Course & No.	Title	Credits
<u>Resquired Emphasis Courses</u>		
APSC 2124* ⁺	Horse Management and Handling Lab	1 _____
APSC 2424*	Introduction to Equine Industry	3 _____
APSC 4424 ⁺	Horse Production and Management	4 _____
* APSC 2124 and 2424 are prerequisites for APSC 4424		
⁺ Credits count in the in-major GPA		
<u>Restricted Electives</u>		
	Science Electives (Minimum 15 cr.)	_____
<u>Other:</u>		
	Agricultural/Applied Electives	_____
	Business Electives	_____
<u>Credits Needed:</u>		
	Science Electives	_____
	Agric./Applied, Business or Science Electives	_____
Total Restricted Electives		38**
**NOTE: At least 9 of the 38 credits must be 4XXX.		
<u>Free Electives:</u> Choose free electives to total ≥ 120 credits		

		Needed: _____
Total Electives (minimum)		47 or 50

SCIENCE OPTION		
- Companion and Laboratory Animal Emphasis -		
Courses & No.	Title	Credits
<u>Required Emphasis Courses</u>		
APSC 2164*+	Comp/Lab Anim. Care & Handling	1 _____
APSC 3064*	Companion/Lab Anim. Science	3 _____
APSC 4464+	Companion/Lab Animal Health and Management	4 _____
* APSC 2164 and 3064 are prerequisite for APSC 4464 + Credits count in the in-major GPA		
<u>Restricted Electives</u>		
	Science Electives (Min. 15 cr.)	_____
<u>Other:</u>		
	Agricultural/Applied Electives	_____
	Business Electives	_____
<u>Credits Needed:</u>		
	Science Electives	_____
	Agric/Appl., Bus. or Science	_____
	Total Restricted Electives	38**
**NOTE: At least 9 of the 38 credits must be 4XXX		
<u>Free Electives:</u>	Choose free electives to total $\geq$ 120 credits	_____
	Needed:	=====
	Total Electives (minimum)	47 or 50