

**COLLEGE OF AGRICULTURE AND LIFE SCIENCES
BACHELOR OF SCIENCE IN ANIMAL AND POULTRY SCIENCES
Equine Emphasis Checksheet For Students Graduating 2010**

Name: _____

Student ID # _____

UNIVERSITY/COLLEGE REQUIREMENTS

Course & Number	Title	Credits
MATH 1015, 1016, 2015, STAT 2004 (Area 5)	Calculus w/Trig, Statistics	3 ___ 3 ___
BIOL 1105, 1106 (Area 4)	Principles of Biology	3 ___ 3 ___
BIOL 1115, 1116	Principles of Biology Lab	1 ___ 1 ___
BIOL 2604 and 2614	Microbiology and Micro. Lab	3 ___ 1 ___
CHEM 1035, 1036	General Chemistry	3 ___ 3 ___
CHEM 1045, 1046	General Chemistry Lab	1 ___ 1 ___
ENGL 1105, 1106 or H1204 (Area 1)	Freshman English or Honors English	3 ___ 3 ___
COMM 2004 or AEE 3634	Public Speaking or Communicating Agric. in Speaking	3 ___
AAEC 1005, 1006 or (Area 3) ECON 2005, 2006	Economics of Food & Fiber Systems or Prin. of Econ.	3 ___ 3 ___
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		47 - 51

¹ Certain Area 7 courses may also count as Area 2 or restricted elective courses. See the Core Curriculum Guide for Area 2/Area 7 courses, and the APSC website (<http://advising.apsc.vt.edu/major.cfm>) for Area 7/restricted electives.

DEPARTMENTAL REQUIREMENTS

Course & Number	Title	Credits
APSC 1454	Intro. to Animal and Poultry Science	3 ___
APSC 1464	Intro. to Animal and Poultry Science Lab	1 ___
APSC 1504	Animal & Poultry Science Survey	1 ___
ALS 2304	Animal Physiology & Anatomy	4 ___
ALS 3104	Animal Breeding and Genetics	4 ___ or 3 ___
ALS 3204	Animal Nutrition and Feeding	4 ___ or 3 ___
APSC 3004* or 4004*	APSC Seminar or Contemporary Issues in APSC	2 ___
ALS 4304 or 3304	Physiology of Reproduction	4 ___ or 3 ___
<u>Choose one of the following courses:</u>		
AAEC 3404, 3454, MGT 3304, AAEC 2104	Ag. Fin., Small Bus., Mgt. Theory, or Personal Fin. Plan.	3 ___
<u>Select two of the following courses*:</u>		
APSC 4404 ⁺ , 4414, 4424 [#] , 4434, or 4444	Poultry, Beef, Horse, Sheep or Swine Production	4 ___ 4 ___ or 3 ___
Subtotal		30-34**

* Completion of these courses satisfies the university WI and ViEWS requirement.

+ Required for Poultry Emphasis.

Required for Equine Emphasis.

** Departmental Requirements and Restricted Electives must total 60 credits

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 DEPARTMENTAL REQUIREMENTS listed on page 1.

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.

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: This checksheet contains no hidden prerequisites for required courses.

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 Electives

AAEC 2104	APSC	ENGL 3104 ²	HNFE 1004
AAEC 3XXX & higher	BSE 2XXX & higher	FIW 2XXX & higher	HNFE 2XXX & higher
AEE 3XXX & higher	CSES 2XXX & higher	FST 2XXX & higher	HORT 2XXX & higher
ALS 1514 ¹	DASC 2XXX & higher	GEOG 4XXX	PPWS 2XXX & higher
ALS 2XXX & higher	ENT 2XXX & higher	HIST 3124	

<u>Course</u>	<u>Cr.</u>	<u>Grade</u>	<u>Course</u>	<u>Cr.</u>	<u>Grade</u>	<u>Course</u>	<u>Cr.</u>	<u>Grade</u>
_____	___	___	_____	___	___	_____	___	___
_____	___	___	_____	___	___	_____	___	___
_____	___	___	_____	___	___	_____	___	___
_____	___	___	_____	___	___	_____	___	___

Business Electives:

AAEC 2104	APSC 3764	ECON 2XXX & higher	LDRS 1016
AAEC 3XXX & higher	BIT	ENGL 3774 ²	MGT 3XXX & higher
ACIS 1504 ¹	COMM 2XXX (except 2054, 2114)	FIN 3XXX & higher;	MKTG 3XXX & higher
ACIS 2XXX & higher	CS 1004 ¹	HTM 2XXX & higher	STAT 2004
AHRM 2304, 2404		IS 2XXX & higher	

<u>Course</u>	<u>Cr.</u>	<u>Grade</u>	<u>Course</u>	<u>Cr.</u>	<u>Grade</u>	<u>Course</u>	<u>Cr.</u>	<u>Grade</u>
_____	___	___	_____	___	___	_____	___	___
_____	___	___	_____	___	___	_____	___	___
_____	___	___	_____	___	___	_____	___	___
_____	___	___	_____	___	___	_____	___	___

Science Electives:

4994	BIOL 2XXX & higher (except 2204 and 3404)	ENT 3XXX	MATH
ALS 4554	BMVS	ENT 4354	PHYS 2XXX & higher (except 2325, 2326)
ALS 4574	CHEM 2XXX & higher	ENGL 3764 ²	PPWS 3XXX
APSC 3304	(except 4024)	FIW 2314	PSYC 2074
APSC 4054	DASC 4374	FST 45XX & higher	STAT 3XXX & higher
APSC 4154	ENSC 3XXX	HNFE 3XXX (except 3214, and 3864)	
BCHM 2XXX & higher (except 4074)			

<u>Course</u>	<u>Cr.</u>	<u>Grade</u>	<u>Course</u>	<u>Cr.</u>	<u>Grade</u>	<u>Course</u>	<u>Cr.</u>	<u>Grade</u>
_____	___	___	_____	___	___	_____	___	___
_____	___	___	_____	___	___	_____	___	___
_____	___	___	_____	___	___	_____	___	___
_____	___	___	_____	___	___	_____	___	___

Free Electives:

<u>Course</u>	<u>Cr.</u>	<u>Grade</u>	<u>Course</u>	<u>Cr.</u>	<u>Grade</u>	<u>Course</u>	<u>Cr.</u>	<u>Grade</u>
_____	___	___	_____	___	___	_____	___	___
_____	___	___	_____	___	___	_____	___	___
_____	___	___	_____	___	___	_____	___	___

¹ ALS 1514, ACIS 1504, and CS 1004 duplicate each other. Only one of these may be taken for credit towards a degree in APSC.

² Only one of the three may be used as Restricted Electives towards an APSC degree.

PRODUCTION - BUSINESS OPTION - Equine Emphasis -		
Courses & No.	Title	Credits
Required Courses		
APSC 2424	Intro. to Equine Industry	3 _____
APSC 2724 or 3824	Equine Behavior & Training*	2 _____
APSC 3724 or 2824	Equine Eval. or Equine Conformation & Biomech.	2 _____
Restricted Electives		
	Business Electives (Min. 6 cr.)	_____
	Other:	
	Agricultural Electives	_____
	Science Electives	_____
	Credits Needed:	
	Business	_____
	Ag., Bus., or Science	_____
	Total Restricted Electives	26 – 30*
* Restricted Electives + Departmental Requirements must = 60 credits		
*Pre: APSC 2124, 2524 or consent		
<i>NOTE: APSC 4424 is also required as one of the two production courses for the Equine Emphasis.</i>		
Free Electives: Choose free electives to total ≥ 120 credits		_____
		Needed: _____

SCIENCE OPTION - Equine Emphasis -		
Courses & No.	Title	Credits
Required Courses		
APSC 2424	Intro. to Equine Industry	3 _____
APSC 2724 or 3824	Equine Behavior & Training*	2 _____
APSC 3724 or 2824	Equine Eval. or Equine Conformation & Biomech.	2 _____
Restricted Electives		
	Science Electives (Minimum 15 cr.)	_____
	Other:	
	Agricultural Electives	_____
	Business Electives	_____
	Credits Needed:	
	Science Electives	_____
	Ag., Bus. or Science	_____
	Total Restricted Electives	26 – 30*
* Restricted Electives + Departmental Requirements must = 60 credits		
*Pre: APSC 2124, 2524 or consent to total ≥ 120 credits		
<i>NOTE: APSC 4424 is also required as one of the two production courses for the Equine Emphasis.</i>		
Free Electives: Choose free electives to total ≥ 120 credits		_____
		Needed: _____

**PRE-VET OPTION
- Equine Emphasis -**

Course & No.	Title	Credits
<u>Required Courses*</u>		
CHEM 2535, 2536	Organic Chemistry	3 _____, 3 _____
CHEM 2545, 2546	Organic Chemistry Lab	1 _____, 1 _____
PHYS 2205, 2206	General Physics	3 _____, 3 _____
PHYS 2215, 2216	General Physics Lab	1 _____, 1 _____
BCHM 2024, 3114, or 4115	Concepts of Bioc., Bioc. Techniques, or General Biochemistry	3 _____ or 4 _____
APSC 2424	Intro. to Equine Industry	3 _____
APSC 2724 or 3824	Equine Behav. & Training*	2 _____
APSC 3724 or 2824	Equine Evaluation or Equine Conf. & Biomech.	2 _____
<u>Restricted Electives</u>		
	Science Electives	_____
	Agricultural Electives	_____
	Business Electives	_____
	<u>Credits Needed:</u>	
	Agricultural, Business, or Science	_____
	Total Restricted Electives	26-30**
** Restricted Electives + Departmental Requirements must = 60 credits		
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*Pre: APSC 2124, 2524 or consent		
<i>NOTE: APSC 4424 is also required as one of the two production courses for the Equine Emphasis.</i>		
*NOTE: These courses fulfill the requirements for admission to the Virginia/ Maryland Regional College of Veterinary Medicine. Students are responsible for checking to be sure they meet the requirements for admission to other veterinary schools.		
<u>Free Electives:</u>	Choose free electives to total \geq 120 credits	_____
		Needed: _____