

Animal Science BS Industry Emphasis Curriculum Guide Beginning Fall 2012

Name:	ID:	Term/Year of Program Entry:
Advisor(s):	Minors (if applicable):	Anticipated Graduation Date:

All courses required within the Animal Science major must be taken A-F graded unless only offered as S-N.

Foundation Courses			
Course & Credits	Term(s) Offered	LE Status*	Term Completed/Grade
ApEc 1101 Prin. Of Microeconomics (4)	F,S	SSci, GP	
Biol 1009 General Biology (4)	F,S,SS	Biol	
AFEE 3221 Comm. for Ag, Food and the Environment (3) <i>or</i> Comm 1101 Intro. to Public Speaking (3)	F F,S,SS	CLE	
Writ 3562W Technical & Professional Writing (4)	F,S,SS	WI (meets both upper level req.)	
Math 1031 College Algebra (3) <i>or</i> Math 1142 Short Calculus (4) <i>or</i> Math 1271 Calculus (4)	F,S,SS F,S,SS F, S,SS	Math Math Math	
Professional Courses			
AnSc 1101 Introductory Animal Science (4)	S		
AnSc 2401 Animal Nutrition (3)	F		
AnSc 3011 Statistics for Animal Scientists (4)	F,S		
AnSc 3221 Animal Breeding (4)	F		
AnSc 3301 Human & Animal Physiology Lecture (3)	F,S		
AnSc 3302 Human & Animal Physiology Lab (1)	F,S		
AnSc 4096 Professional Internship (3) <i>or</i> AnSc 4009W Undergrad. Research Thesis (6)	F,S,SS F,S,SS		
Required Coursework for Industry Students Students must complete all courses below			
Course & Credits	Term(s) Offered	LE Status*	Term Completed/Grade
ApEc 1102 Principles of Macroeconomics (3)	S		
ApEc 1251 Principles of Accounting (3)	F		
Chem 1015 Introductory Chemistry Lecture (3) <i>and</i> Chem 1017 Introductory Chemistry Lab (1)	F,S,SS F,S,SS	Phys-both lec and lab required to meet LE	
BioC 2011 Biochem for the Ag & Health Sciences (3) <i>or</i> Hort 2100 Agricultural Biochemistry (3)	F,S F		
Writ 3152W Writing on Issues of Sci. & Tech. (4) <i>or</i> Writ 3257 Sci. & Tech. Presentations (3)	F,S F,S,SS	WI	
Select a minimum of 4 courses from the grouping below (continued on back):			
AnSc 3801 Livestock Merchandising (3)	S		
ApEc 3001 Applied Microeconomics: Consumers, Producers and Markets (3) [Prerequisite: Calculus]	F,S		
ApEc 3002 Applied Microeconomics: Managerial Economics (4) [Prerequisite: ApEc 3001]	F,S		
ApEc 3411 Commodity Marketing (3)	F		
ApEc 3451 Food and Agricultural Sales (3)	S		
ApEc 3501 Agribusiness Finance (3)	F		
ApEc 3811 Principles of Farm Management (3)	S		
ApEc 3821 Retail Center Management (3)	S		
ApEc 4451 Food Marketing Economics(3)	F		
ApEc 4821 Agribusiness Management (5)	S		

[Prerequisite: ApEc 3002]			
Jour 3201 Principles of Strategic Com: Advert. (3)	F,S		
OLPD 3461 Professional Sales Management (3)	S		

**Choose 12 credits minimum of approved elective courses. Electives may vary from year to year; see online course guide for available classes or check with your advisor.
Choose AnSc designated elective courses or courses listed below not used to fulfill other major requirements:**

Course & Credits	Term(s) Offered	LE Status*	Term Completed/Grade
Agro 1103 Crops, Environment & Society (4)	F	Envt	
FScN 1102 Food Safety, Risks and Technology (3)	F,S		
Soil 2125 Basic Soil Science (4)	F,S		

Choose 1 course or course grouping from:

Course & Credits	Term(s) Offered	Term Completed/Grade
AnSc 4601 Pork Production Systems Mgmt. (4)	S	
AnSc 4602 Sheep Production Systems Mgmt. (4)	S	
AnSc 4603 Beef Production Systems Mgmt. (4)	F	
AnSc 4604 Dairy Production Systems Mgmt. (4)	S	
VCS 4606 Small Animal Mgmt. (3)	S	
AnSc 2055 Horse Mgmt. (2)	F	
and		
AnSc 2056 Horse Management Practicum (2)	F	
Approved course through the Midwest Poultry Consortium	SS	

Liberal Education Requirements-University Wide
Liberal Education (LE) courses are required by all students. The following core requirements will not automatically be met by courses within this emphasis. Students should consult the online class schedule to find courses that satisfy the missing areas. Each course must be a minimum of 3 credits. Consult your advisor with questions.

Requirement	Course Title	Term Completed/Grade
Arts/Humanities (AH)		
Literature (Lit)		
Historical Perspectives (HP) <i>(suggestion: AnSc 1701)</i>		
Writing Intensive (WI) <i>(if not taking Writ 3152W)</i>		
Writing Intensive (WI)-any level <i>(suggestion: AnSc 3203W)</i>		
University Writing-by placement	Writ 1301 (or 1401) or AP or approved transfer course	

The following liberal education theme requirements will not automatically be met by courses within this emphasis. Students are required to select two out of the following three. Consult your advisor with questions.

Diversity & Social Justice (DSJ)		
Environment (Envt) <i>(if not taking Agro 1103)</i>		
Technology & Society (TS)		

Animal Science Elective Courses

Please note that certain courses have prerequisites or require instructor permission for enrollment. Some courses are only offered every other semester listed. Consult the online course guide or see your advisor for the most updated information.

All classes subject to change/cancellation as merited by the Department.

Course may not count for two areas, unless meeting a liberal education theme or core.

<u>Course</u>	<u>Credits</u>	<u>Term</u>	<u>Title of Course</u>
AnSc 1001	(1)	F	Orientation to Animal Science (<i>designed for freshman</i>)
AnSc 1007	(2)	F	Horse in Your Backyard
AnSc 1011	(3)	F	Animals and Society (<i>meets lib ed of Civic Life & Ethics</i>)
AnSc 1403	(3)	S	Companion Animal Nutrition & Care
AnSc 1511	(3)	F	Food Animal Products for Consumers
AnSc 1701	(3)	F	Historical Influence of the Horse on Society (<i>meets lib ed of History</i>)
AnSc 2012	(3)	S	Livestock and Carcass Evaluation
AnSc 2055	(2)	F	Horse Management
AnSc 2056	(2)	F	Horse Management Practicum
AnSc 3007	(3)	S	Equine Nutrition
AnSc 3203W	(3)	S	Environ, Global Food Prod & Citizen
AnSc 3305	(4)	F	Repro Biology in Health & Disease
AnSc 3307	(1)	F,S	Artificial Insemination Techniques
AnSc 3403	(3)	F	Companion Animal Hot Button Issues
AnSc 3501	(3)	S	Farm Animal Environment
AnSc 3509	(3)	S	Animal Biotechnology
AnSc 3511	(3)	S	Animal Growth and Development
AnSc 3521	(3)	F	Biotech. Appl. in Pharm. Res. & Devel
AnSc 3609	(2)	F	Bus. Planning for Livestock Enterprises
AnSc 3801	(3)	S	Livestock Merchandising
AnSc 4011	(3)	S	Dairy Cattle Breeding
AnSc 4305	(2)	S	Companion and Wild Species Reproduction
AnSc 4401	(3)	F	Swine Nutrition
AnSc 4403	(3)	S	Ruminant Nutrition
AnSc 4404	(2)	F	Applied Dairy Nutrition
AnSc 4601	(4)	S	Pork Production Systems Mgmt
AnSc 4602	(4)	S	Sheep Production Systems Mgmt
AnSc 4603	(4)	F	Beef Production Systems Mgmt
AnSc 4604	(4)	S	Dairy Production Systems Mgmt
AnSc 4611	(2)	S	Advanced Pork Prod Systems Mgmt
AnSc 4612	(2)	S	Tools for Dairy Consult. in the 21 st Century
AnSc 4613	(2)	F	Advanced Beef Prod Systems Mgmt
AnSc 4614	(2)	S	Advanced Dairy Prod Systems Mgmt
CFAN 1501	(3)	S	Biotechnology, People & the Environ
Ent 3281	(3)	F	Veterinary Entomology
VPM 3700	(2)	S	Equine Reproduction and Breeding Mgmt
VCS 4606	(3)	S	Small Animal Management

Midwest Poultry Consortium Summer Courses—Madison, WI (varies; see advisor for more information)

Any CFANS major learning/study abroad course (contact advisor for more information)

Example Plan of Study Animal Science Industry Emphasis

Your plan might differ slightly based upon course completion/availability

Fall 1		Credits
AnSc 1001	Orientation to Animal Science	1
ApEc 1101	Prin. of Microeconomics	4
Math 1031	College Algebra & Probability	3
Writ 1301	University Writing	4
Lib Ed Requirement and/or AnSc elective		
Suggestions: AnSc 1011, or AnSc 1701, Agro 1103		3-4
		15-16

Spring 1		Credits
AnSc 1101	Intro. to Animal Science	4
Chem 1015	Introductory Chemistry Lecture and	3
Chem 1017	Introductory Chemistry Lab	1
ApEc 1102	Prin. of Macroeconomics	3
Lib Ed or AnSc elective/emphasis req.		3-5
Suggestions: AnSc 1403, AnSc 2012 or EngL 1701		
		14-16

Fall 2		Credits
Biol 1009	General Biology	4
AnSc 2401	Animal Nutrition	3
AFEE 3221	Comm. for Ag, Food & Enviorn.	3
ApEc 1251	Principles of Accounting	3
Lib Ed or AnSc Emphasis Requirement		3-4
		16-17

Spring 2		Credits
AnSc 3011	Stats. for Animal Scientists	4
Writ 3152W	Writing on Issues of S & T	4
Lib Ed Requirement		3-4
AnSc Emphasis Requirement		3-4
		14-16

Fall 3		Credits
AnSc 3221	Animal Breeding	4
AnSc Emphasis Requirements/Electives		6-8
Unfinished LibEd Requirements		3-4
		13-16

Spring 3		Credits
BioC 2011	Biochemistry for the Agricultural & Health Sciences	3
Writ 3562W	Professional & Tech. Writing	4
ApEc 3811	Principles of Farm Mgmt.	3
Unfinished LibEd Requirements		3-5
		13-15

Fall 4		Credits
AnSc 3301	Human & An. Physiology Lec. and	3
AnSc 3302	Human & An. Physiology Lab	1
ApEc 3411	Retail Center Mgmt.	3
ApEc 3501 Agribusiness Finance		3
AnSc Electives/Emphasis Requirement Or		
Unfinished Lib Ed		3-6
		13-16

Spring 4		Credits
JOUR 3201	Principles of Strategic Com. Adver.	3
ApEc 3821	Retail Center Management	3
AnSc Electives/Emphasis Requirement		3-4
Unfinished LibEd		3-5
		12-15

****Internship: Students should be planning for internship(s) between their sophomore and junior year. Students may take up to 6 credits of internship.***