

Animal Science BS Production 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. Consult your advisor with questions.

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 Communication 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			
Course & Credits	Term(s) Offered	LE Status*	Term Completed/Grade
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 & An. Physiology Lec. (3)	F,S		
AnSc 3302 Human & An. Physiology Lab (1)	F,S		
AnSc 4096 Professional Internship (3) <i>or</i> AnSc 4009W Undergrad Res. Thesis (6)	F,S,SS F,S,SS		

Required Coursework for Production Students Students in this emphasis must complete all courses below			
Course & Credits	Term(s) Offered	LE Status*	Term Completed/Grade
AnSc 1511 Food An. Prod. for Consumers (3)	F		
AnSc 3609 Bus. Planning for Animal Enterprises (2)	F		
Chem 1015 Intro. Chemistry Lecture (3) and Chem 1017 Intro. Chemistry Lab (1)	F,S,SS F,S,SS	Phys-both lec and lab required to meet LE	
BioC 2011 Biochem for Ag & Health Sci. (3) <i>or</i> Hort 2100 Agricultural Biochemistry (3)	F,S F		

Specie Options**Must select/complete one specie grouping. Courses cannot be used in other areas.**

Course & Credits	Term(s) Offered	Term Completed/Grade
Beef		
AnSc 2012 Livestock & Carcass Evaluation (3)	S	
AnSc 4403 Ruminant Nutrition (3)	S	
AnSc 4603 Beef Production Systems Mgmt. (4)	F	
AnSc 4613 Adv. Beef Prod. Systems Mgmt. (2)	F	
Dairy		
AnSc 4011 Dairy Cattle Breeding (3)	S	
AnSc 4403 Ruminant Nutrition (3)	S	
AnSc 4604 Dairy Production Systems Mgmt. (4)	S	
AnSc 4614 Adv. Beef Production Systems Mgmt. (2)	S	
Sheep		
AnSc 2012 Livestock & Carcass Evaluation (3)	S	
AnSc 4403 Ruminant Nutrition (3)	S	
AnSc 4602 Sheep Production Systems Mgmt. (4)	S	
Swine		
AnSc 2012 Livestock & Carcass Evaluation (3)	S	
AnSc 4401 Swine Nutrition (3)	F	
AnSc 4601 Swine Production Systems Mgmt. (4)	S	
AnSc 4611 Adv. Swine Prod. Systems Mgmt. (2)	S	
Equine		
AnSc 2055 Horse Management (2)	F	
AnSc 2056 Horse Management Practicum (2)	F	
AnSc 3007 Equine Nutrition (3)	S	
VPM 3700 Equine Reprod. & Breeding Mgmt. (2)	S	
Companion Animal		
AnSc 1403 Comp. Animal Nutrition & Care	S	
AnSc 3403 Comp. Animal Hot Button Issues	F	
VCS 4606 Small Animal Management	S	
Additional (1) Course chosen in consultation with advisor		
Poultry		
Take at least 12 credits from the Midwest Poultry Consortium Center Of Excellence (MPC/COE) in Madison, WI (www.mwpoultry.org). Courses cannot double count for requirements in this area and for professional requirements. Consult your advisor for more information.		
Individualized Option		
Select at least 12 credits from courses according to the interest of the student in consultation with an advisor in Animal Science. Courses cannot double count for requirements in this area and for professional requirements. Final approval must be granted by the Animal Science Production Systems Committee. Consult your advisor for more information.		

Elective Courses (22 credits minimum required)

Courses vary from year to year on availability-check online class schedule or advisor for information
Courses used in this area cannot be used to fulfill requirements in other areas. Choose from AnSc electives (next page) or:

AFEE 2051 Current Tech. Competencies (3)	F		
Agro 1103 Crops, Eenvt., & Society (4) <i>(required for beef, dairy, sheep, swine & poultry specie options)</i>	F	Envt	
ApEc 1251 Prin. of Accounting (3)	F		
ApEc 3411 Prin. of Commodity Mkt. (3)	F		
ApEc 3451 Food & Ag. Sales (3)	S		
ApEc 3811 Prin. of Farm Mgmt. (3)	S		
Soil 2125 Basic Soil Science (4)	F,S		
FScN 2021 Introductory Microbiology (4) or VBS 2032 General Microbiology (5)	F,S F,S,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
Other Humanities (OH)		
Literature (Lit)		
Historical Perspectives (HP) <i>(suggestion: AnSc 1701)</i>		
Writing Intensive (WI) <i>(suggestion: AnSc 3203W)</i>		
Writing Intensive (WI)-any level		
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 Production Emphasis

(Electives Chosen Should Be Based Upon Specie of Interest-this plan showcases DAIRY)

Fall 1	Credits	Spring 1	Credits		
AnSc 1001	Orientation to Animal Science	1	AnSc 1101	Intro. to Animal Science	4
Math 1031	College Algebra & Probability	3	Chem 1015	Introductory Chemistry Lecture	3
Writ 1301	University Writing (by placement)	4	Chem 1017	Introductory Chemistry Lab	1
AnSc 1011	Animals & Society	3	AnSc 2012	Livestock & Carcass Evaluation	3
AnSc 1511	Food Animal Prod. For Consumers	3	Lib Ed or AnSc Emphasis Requirement		3-6
			<i>Suggestions of: AnSc 1403, AnSc 2012</i>		
	14-15			14-16	
Fall 2	Credits	Spring 2	Credits		
Agro 1103	Crops, Environ. and Society	4	AnSc 3011	Stats. for Animal Scientists	4
AnSc 2401	Animal Nutrition	3	AnSc 3203W	Environ., Global Food/Citizen	3
AnSc 3221	Animal Breeding	4	ApEc 1101	Principles of Microeconomics	3
AFEE 3221	Comm. for Ag, Food and Environ.	3	Biol 1009	General Biology	4
			Lib Ed or AnSc elective		3
	15			16	
Fall 3	Credits	Spring 3	Credits		
AnSc 3609	Animal Production Systems	2	AnSc 4604	Dairy Prod. Systems Mgmt.	4
AnSc 4011	Dairy Cattle Breeding	3	BioC 2011	Biochemistry for the Ag/Health Sci.	3
AnSc 4403	Ruminant Nutrition	3	Unfinished LibEd Requirements		3-4
AnSc 4609	Internship	3	AnSc Electives		3-4
Lib Ed/AnSc elective	3-4				
	14-15			13-15	
Fall 4	Credits	Spring 4	Credits		
AnSc 3301	Human & An. Physiology Lec.	3	AnSc 4614	Advanced Dairy Prod. Systems	2
AnSc 3302	Human & An. Physiology Lab	1	AnSc 4612	Tools for Dairy Consult. in 21 st	2
Writ 3562W	Technical and Professional Writing	4	AnSc Electives of Choice		6-8
Unfinished Lib Ed	3		Remaining Lib Ed.		4-6
AnSc Electives	3-4				
	14-15			14-18	

****Internship: Students should be planning for internship(s) between their sophomore and junior year. Up to 6 credits of internship are available.***