

BS in Animal Science Industry Emphasis

Name:	ID:	Term/Year of Program Entry:
Advisor(s) Name:		

Course & Credits	Terms Offered	LE Status	Term Completed/Grade
Foundation Courses			
ApEc 1101 Prin. Of Microeconomics (3)	F, S	SSci	
Biol 1009 General Biology (4)	F, S, SS	Biol	
Writ 1301 University Writing (4) or Writ 1401 University Writing (4)	F, S		
Comm 1101 Intro. to Public Speaking (3)	F, S, SS		
Writ 3562W Tech. & Prof. Writing (4)	F, S, SS	WI (both upper level req.)	
Math 1031 College Algebra (3) Or Math 1142 Short Calculus (4) Or Math 1271 Calculus (4)	F, S, SS F, S, SS F, S, SS	Math Math Math	

Professional Courses			
AnSc 1001 Orientation to Animal Science (1)	F		
AnSc 1101 Introductory Animal Science (4)	S		
AnSc 2401 Animal Nutrition (3)	F		
AnSc 3011 Statistics for Animal Scientists (3)	S	Math	
AnSc 3221 Animal Breeding (4)	F		
AnSc 3301 Human & Animal Physiology Lec. (3)	F, S		
AnSc 3302 Human & Animal Physiology Lab (1)	F		
AnSc 4096 Professional Internship (3) Or AnSc 4009W Undergraduate Research Thesis (6)	F, S, SS F, S, SS		

Required Coursework for Industry Students

Students in the Industry Emphasis must complete all courses listed below.

Course & Credits	Terms Offered	LE Status	Term Completed/Grade
ApEc 1102 Principles of Macroeconomics (3)	S	SSci	
ApEc 1251 Principles of Accounting (3)	F		
Chem 1015 (3) and Chem 1017 (1)	F, S, SS	Phys	
BioC 2011 Biochem for Ag & Health Sciences (3)	F, S		
Writ 3152W Writing on Issues of Sci. & Tech. (4) Or Writ 3257 Sci. and Tech. Presentations (3)	F, S F, S, SS	C/PE, WI	
Comm 3411 Intro. to Sm. Group Presentations (3)	F, S, SS		

Select a minimum of four (4) courses from the group below:

Course & Credits	Terms Offered	LE Status	Term Completed/Grade
AnSc 3801 Livestock Merchandising (3)	S		
ApEc 3001 Applied Microeconomics: Consumers, Producers and Markets (3) <i>Calculus required</i>	F, S	SSci	
ApEc 3002 Applied Microeconomics: Managerial Economics (4) <i>Prerequisite: ApEc 3001</i>	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 Mgmt. (3)	S		
ApEc 3821 Retail Center Mgmt. (3)	S		
ApEc 4451 Food Marketing Economics (3)	F		
ApEc 4821 Agribusiness Mgmt (5) <i>Prerequisite: ApEc 3002</i>	S		
BIE 3061 Professional Sales Mgmt. (3)	S		
Jour 3201 Princ. Of Strategic Com: Advertising (3)	F, S		

Choose 12 credits minimum of approved elective courses. Electives vary from year to year; see online course guide for available courses or check with your advisor.

Choose AnSc elective courses not used to fulfill other requirements or one of the below courses:

Course & Credits	Term Offered	LE Status	Term Completed/Grade
Agro 1103 Crops, Env., & Society (4) <i>(required for dairy, beef, sheep, swine and poultry specie options)</i>	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 Prod. Systems Mgmt. (4)	S	
AnSc 4602 Sheep Prod. Systems Mgmt. (4)	S	
AnSc 4603 Beef Prod. Systems Mgmt. (4)	F	
AnSc 4604 Dairy Prod. Systems Mgmt. (4)	S	
AnSc 4605 Poultry Prod. Systems Mgmt. (4)	F	
AnSc 4606 Small Animal Mgmt. (4)	S	
AnSc 2055 Horse Health Mgmt. (2) and AnSc 3007 Equine Nutrition (3)	F S	

Liberal Education Requirements-University Wide

The following requirements are not automatically met by courses within the Industry Emphasis. Students should consult the Class Schedule to find courses that satisfy the missing areas. Each course should be a minimum of three credits. It is allowed for one course to meet multiple areas.

Requirement	Course Title	Term Completed/Grade
Social Science (SSci)		
Other Humanities (OH)		
Literature (Lit)		
Historical Perspectives (HP)		
Environment (Envt) –If not taking Agro 1103		
Cultural Diversity (CD)		
International Perspective (IP)		
Citizenship & Public Ethics (C/PE)		
Writing Intensive (WI)-If not taking Writ 3152W		
Writing Intensive (WI)-any level		

Animal Science Elective Offerings

Please note that certain courses have prerequisites or require permission from the instructor prior to enrollment. Some courses are only taught every other semester listed. Please consult the online course guide or an advisor for the most updated list.

Course	Credits	Semester(s) Offered*	Title of Course
AnSc 1007	2	F	Horse in Your Backyard
AnSc 1011	3	F	Animals and Society
AnSc 1403	3	S	Companion Animal Nutrition & Care
AnSc 1511	3	F	Food Animal Products for Consumers
AnSc 2012	3	S	Livestock and Carcass Evaluation
AnSc 2055	2	F	Horse Health Management
AnSc 3007	3	S	Equine Nutrition
AnSc 3052	4	F	Equine Anatomy & Exercise Physiology
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 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. & Development
AnSc 3609	2	F	Bus. Planning for Livestock Enterprises
AnSc 3801	3	S	Livestock Merchandising
AnSc 4011	3	S	Dairy Cattle Breeding
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	4	F	Veterinary Entomology
VPM 3700	2	S	Equine Reproduction and Breeding Mgmt
VCS 4600	3	F	Small Animal and Equine Behavior
VCS 4606	3	S	Small Animal Management
Midwest Poultry Consortium Courses, Madison, WI	Varies (up to 18 available)	SS	Varies-see advisor for more information

*F=Fall, S=Spring, SS=Summer

Example Plan of Study Animal Science Industry Emphasis

<u>Fall 1</u>	<u>Credits</u>	<u>Spring 1</u>	<u>Credits</u>
AnSc 1001 Orientation to Animal Science	1	AnSc 1101 Intro. to Animal Science	4
Math 1031 College Algebra & Probability	3	Chem 1015 General Chemistry Lec and Chem 1017 General Chemistry Lab	3 1
Writ 1301 University Writing (by placement)	4	ApEc 1102 Principles of Macroeconomics	3
or Writ 1401 University Writing (by placement)	4	Lib Ed or AnSc Emphasis Requirement	3-5
ApEc 1101 Principles of Microeconomics	3		<hr/>
Lib Ed Suggestions: AnSc 1011 or other course of interest	3-4		13-15
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	14-15		
<u>Fall 2</u>	<u>Credits</u>	<u>Spring 2</u>	<u>Credits</u>
Biol 1009 General Biology	4	AnSc 3011 Stats. for Animal Scientists	3
AnSc 2401 Animal Nutrition	3	Writ 3152W Writing of Issues of S & T	4
Comm 1011 Introduction to Public Speaking	3	Lib Ed or AnSc Emphasis Requirement	3-6
Lib Ed or AnSc Emphasis Requirement	3-5		<hr/>
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	13-15		
<u>Fall 3</u>	<u>Credits</u>	<u>Spring 3</u>	<u>Credits</u>
AnSc 3221 Animal Breeding	4	BioC 2011 Biochemistry for the Agricultural & Health Sciences	3
ApEc 1251 Principles of Accounting	3	Writ 3562W Professional & Tech. Writing	4
AnSc Emphasis Requirements or Electives and/or	3-6	ApEc 3811 Principles of Farm Mgmt.	3
Unfinished LibEd Requirements	3	Unfinished LibEd Requirements	3-5
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	13-16		13-15
<u>Fall 4</u>	<u>Credits</u>	<u>Spring 4</u>	<u>Credits</u>
Comm 3411 Intro. to Small Group Presentations	3	JOUR 3201 Principles of Strategic Com. Adver.	3
AnSc 3301 Human and Animal Phys. Lec and AnSc 3302 Human and Animal Phys. Lab	3 1	ApEc 3821 Retail Center Management	3
ApEc 3411 Retail Center Mgmt.	3	AnSc 3801 Livestock Merchandising	3
AnSc Electives, Other Requirements or		or Electives/Emphasis Requirement Unfinished LibEd	7-8
Unfinished LibEd	4-6		<hr/>
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	14-16		

****Internship: Students should be planning for internship(s) between their sophomore and/or junior year***