

Animal Science Major

INDUSTRY EMPHASIS

LIBERAL EDUCATION REQUIREMENTS

8 Credits (min. 2 courses)

Biological Science with Lab

Physical Science with Lab

12 Credits (6 credits in each area)

Social Sciences, Arts and Humanities (1 literature, 1 in "other")

18 Credits (3 credits in each area)

Historical Perspective, Cultural Diversity, International Perspective, Environment, Citizenship and Public Ethics, Mathematical Thinking

FOUNDATION COURSES

ApEc	1101	Principles of Microeconomics (3)	F, S
Biol	1009	General Biology (4)	F, S, SS
Writ	1301	University Writing (4) <i>(by placement)</i>	F, S
or Writ	1401	University Writing (4) <i>(by placement)</i>	F, S
Comm	1101	Intro. to Public Speaking (3)	F, S, SS
Writ	3562W	Technical & Prof. Writing (4)	F, S
<i>(This class counts as two upper division writing intensive courses)</i>			
Math	1031	College Algebra (3)	F, S, SS
or Math	1142	Short Calculus (4)	F, S, SS
or Math	1271	Calculus I &/or Math 1272 (4)	F, S, SS
or Math	1281	Calculus I &/or Math 1282 (4)	F, S

PROFESSIONAL COURSES

AnSc	1001	Orientation to Animal Science (1)	F
AnSc	1101	Introductory Animal Science (4)	S
AnSc	2211	Biometrics for Livestock (3)	S
AnSc	2401	Animal Nutrition (3)	F
AnSc	3221	Animal Breeding (4)	F
AnSc	3301	Systemic Physiology (4)	F
AnSc	4096	Prof. Ext Program: Internship (3)	F, S, SS
or CFAN	4009W	Undergrad Research Thesis (6)	F, S, SS

REQUIRED COURSEWORK

ApEc	1102	Principles of Macroeconomics (3)	S
ApEc	1251	Principles of Accounting (3)	F
Chem	1011	General Principles of Chemistry (4)	F, S, SS
BioC	2011	Biochem for Ag & Health Sci (3)	F, S
Writ	1152W	Writing on Issues S & T (4)	F, S
or Writ	3257	Sci. and Tech Presentations (3)	F, S, SS
Comm	3411	Intro. to Small Group Presentations (3)	F, S, SS

Choose 3 courses from this group:

ApEc	3001	Applied Microeconomics (4) <i>(Calculus required)</i>	F, S
ApEc	3002	Applied Microeconomics (4) <i>(Prerequisite: ApEc 3001)</i>	F, S
ApEc	3411	Commodity Marketing (3)	F
ApEc	3811	Principles of Farm Mgmt (3)	S
ApEc	3821	Retail Center Mgmt (3)	S
ApEc	4451W	Food Marketing Economics (3)	F
ApEc	4821W	Agribusiness Mgmt (5) <i>(Prerequisite: ApEc 3002)</i>	S

Choose 1 course from this group:

ApEc	3451	Food and Agricultural Sales (3)	S
ApEc	3501	Agribusiness Finance (3)	F
BIE	3061	Professional Sales Mgmt (3)	S
JOUR	3201	Princ. of Strategic Com. Adver.(3)	F, S

Choose a minimum 12 credits from this group:

Animal Science Elective Courses (not used to fulfill other requirements)
and/or

Agro	1103	Crops, Env, & Society (4)	F
FScN	1102	Food: Safety, Risks & Tech. (3)	F, S
Soil	2125	Basic Soil Science (4)	F, S

Choose 1 course from this group:

(except for Equine Management: students must take both AnSc 2055 & AnSc 3007):

AnSc	4601	Pork Prod. Systems Mgmt (4)	S
AnSc	4602	Sheep Prod. Systems Mgmt (4)	S
AnSc	4603	Beef Prod. Systems Mgmt (4)	S
AnSc	4604	Dairy Prod. Systems Mgmt (4)	S
AnSc	4605	Poultry Prod. Systems Mgmt (4)	F
VCS	4606	Small Animal Mgmt (3)	S
AnSc	3007	Equine Nutrition (3)	S
<i>and</i> AnSc	2055	Horse Health Management (2)	F

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ELECTIVE COURSES (CLASSES CANNOT FULFILL REQUIREMENTS IN TWO AREAS)

AnSc 1007	(2)	F	Horse in Your Backyard
AnSc 1011	(3)	F	Animals and Society
AnSc 1021	(1)	S	Avian Sampler
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	Environment Global Food Production & the Citizen
AnSc 3305	(4)	F	Reproductive 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 Pharmaceutical Research & Development
AnSc 3609	(2)	F	Animal Production Systems
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 Management
AnSc 4602	(4)	S	Sheep Production Systems Management
AnSc 4603	(4)	F	Beef Production Systems Management
AnSc 4604	(4)	S	Dairy Production Systems Management
AnSc 4605	(4)	F	Poultry Production Systems
AnSc 4611	(2)	S	Advanced Pork Prod Systems Management
AnSc 4613	(2)	F	Advanced Beef Prod Systems Management
AnSc 4614	(2)	S	Advanced Dairy Prod Systems Management
CFAN 1501	(3)	S	Biotechnology, People & the Environment
Ent 3281	(3)	F	Veterinary Entomology
VPM 3502	(3)	F	Animal Health and Disease
VPM 3700	(2)	S	Equine Reproduction and Breeding Management
VCS 4600	(3)	F	Small Animal and Equine Behavior
VCS 4606	(3)	S	Small Animal Management

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