

Name: _____

NORTH DAKOTA STATE UNIVERSITY
College of Agriculture, Food Systems & Natural Resources

T = Transfer Credit
IP = Course is 'In Progress'

ID: _____

Animal Science

Fall 2012

General Education Requirements - 40 Credits Required					Animal Science Major - 32 Core Credits Required				
Course	Number	Course Title	Credits	Grade	Options : <input type="checkbox"/> Animal Production, Management & Husbandry (default option - see page two) <input type="checkbox"/> Animal Agribusiness <input type="checkbox"/> Biomedical Sciences (pre-vet med option***) <input type="checkbox"/> Livestock Media <input type="checkbox"/> Meat Science				
First Year Experience (F)			1 Sem Credit						
AGRI	189 ¹	Skills for Academic Success	1						
Communication (C)			12 Sem Credits		Course	Number	Course Title	Credits	Grade
ENGL	110	College Composition I	3		MATH	103*	College Algebra	3	
ENGL	120	College Composition II	3		ANSC	114	Introduction to Animal Sciences	3	
ENGL	320 or 321 or 324	Business and Professional Writing or Writing in the Technical Professions or Writing in the Sciences	3		ANSC	150	Animal Science Orientation	1	
COMM	110	Fund of Public Speaking	3		ANSC	222	Meat Animal Evaluation	2	
Quantitative Reasoning (R)			3 Sem Credits		ANSC	300	Domestic Animal Behavior & Mgmt	3	
STAT	330	Introductory Statistics	3		ANSC	323	Fundamentals of Nutrition	3	
Science & Technology (S)			10 Sem Credits		ANSC	324	Applied Animal Nutrition	3	
CHEM	117/117L or 121/121L	Chemical Concepts & Applications/Lab or General Chemistry I/Lab (Biomedical Science Option only)	3/1		ANSC	463/463L	Physiology of Reproduction/Lab	3/1	
BIOL	111 or 122	Concepts of Biology or General Chemistry II (Biomedical Science Option only)	3		ANSC	478	Research & Issues in Animal Agriculture	3	
CHEM	122	General Chemistry II (Biomedical Science Option only)	3		ANSC	480 or 482 or 484 or 486 or 488	Equine Industry and Production Syst or Sheep Industry and Production Syst or Swine Industry and Production Syst or Beef Industry and Production Syst or Dairy Industry and Production Syst	3	
PLSC	315	Genetics	3		ANSC	494 or 496	Individual Study (research exp.) or Field Experience (internship exp.) (one credit required)	1-5	
Humanities & Fine Arts (A)			6 Sem Credits		ANSC	496	Individual Study (research exp.) or Field Experience (internship exp.) (one credit required)	1-5	
			3		ANSC	496	Individual Study (research exp.) or Field Experience (internship exp.) (one credit required)	1-5	
			3		ANSC	496	Individual Study (research exp.) or Field Experience (internship exp.) (one credit required)	1-5	
Social & Behavioral Sciences (B)			6 Sem Credits		VEETS	135	Anat & Phys of Domestic Animals	3	
ECON	201	Principles of Microeconomics	3		Meat Science Option: 40 credits required				
			3		BIOL	111L	Concepts of Biology Lab	1	
Wellness (W)			2 Sem Credits		PLSC	110	World Food Crops	3	
			2		CHEM	260	Elements of Biochemistry	4	
Cultural Diversity (D)					MICR	202/202L	Introductory Microbiology/Lab	2/1	
					ANSC	330	Meat Selection, Grading & Judging	2	
Global Perspectives (G)					ANSC	357	Animal Genetics	3	
ECON	201	Principles of Microeconomics	3		ANSC	340	Principles of Meat Science	3	
University Requirements:					ANSC	344	Fundamentals of Meat Processing	2	
Upper Level (300-400 level) Credits			37		ANSC	344	Fundamentals of Meat Processing	2	
Residence:					ANSC	444	Livestock Muscle Physiology	3	
Credit from a 4-Year			60		AGEC	244	Agricultural Marketing	3	
Credits taken at NDSU			36		CFS	210	Intro to Food Science & Technology	2	
15 of 36 must be in the major					SAFE Electives**	Select from 401,402,403,404,405,406,407,408, 409, 452, or 474			
15 of 36 must be upper-level courses					Electives for Meat Science opt from upper level ANSC, BIOC, CFS, CHEM, MICR OR SAFE: 7 Credits Required				
The last 30 credits must be taken at NDSU									
Transfer grades must be "C" or above to count towards major requirements.					Total Credits Required for Graduation:				
					128				

¹Students transferring in 24 or more credits do not need to take AGRI 189.

*or Higher (except MATH 104)

***Students that are intending to go to veterinary school should consider the biomedical sciences option; this option will meet most vet school pre-requisites; consultation with an adviser is recommended.

Animal Science - Fall 2012 continued

Course	Number	Course Title	Credits	Grade	Course	Number	Course Title	Credits	Grade	
Livestock Media Option: 39 credits required					Biomedical Science Option: 41 credits required (pre-vet med option***)					
BIOL	111L	Concepts of Biology Lab	1		CHEM	122L	General Chemistry Lab	1		
PLSC	110	World Food Crops	3		PHYS	120/120L	Fundamentals of Physics/Lab	3/1		
ANSC	320 or 330 or 331 or 365	Dairy Cattle Selection or Meat Select, Grading & Judging or Livestock Selection or Equine Evaluation	2		BIOL	150/150L	General Biology I/Lab	3/1		
					BIOL	151/151L	General Biology II/Lab	3/1		
					CHEM	240*	Survey of Organic Chemistry	3		
					CHEM	260*	Elements of Biochemistry	4		
ANSC	357	Animal Genetics	3		MICR	350/350L	General Microbiology/Lab	3/2		
ANSC	380	Livestock Sales & Marketing	2		ANSC	320 or 330 or 331 or 365	Dairy Cattle Selection or Meat Selec, Grading & Judging or Livestock Selection or Equine Evaluation	2		
AGEC	242	Introduction to Agricultural Management	4							
AGEC	244	Agricultural Marketing	3							
Complete any minor in any communication area			21							
OR										
COMM	112 (B)	Understanding Media & Social Change	3		ANSC	357 or 455	Animal Genetics or Animal Biotechnology	3		
COMM	114 (B) or 212 (B) or 216 (B)	Human Communications or Interpersonal Communication or Intercultural Communication	3		ANSC	444	Livestock Muscle Physiology	3		
	COMM Electives from 200, 242, 260, 261, 345, 362, 375, 376, 377, or 400 level: 15 Credits Required				Electives for Biomed Sci opt from upper level ANSC, BIOC, BIOL, CHEM, MICR, PHYS OR SAFE: 8 Credits Required					
				3						
			3							
			3		Animal Agribusiness Option: 43 credits required					
			3		BIOL	111L	Concepts of Biology Lab	1		
			3		PLSC	110	World Food Crops	3		
Animal Production, Management & Husbandry Option: 40 credits required This option is the default study option for Animal Science. If you wish to select another option, you must officially declare with the Office of Registration and Records.					ANSC	320 or 330 or 331 or 365	Dairy Cattle Selection or Meat Selection, Grading & Judging or Livestock Selection or Equine Evaluation	2		
BIOL	111L	Concepts of Biology Lab	1			ANSC	357	Animal Genetics	3	
PLSC	110	World Food Crops	3			ANSC	380	Livestock Sales & Marketing	2	
CHEM	260*	Elements of Biochemistry	4			ACCT	102	Fundamentals of Accounting	3	
MICR	202/202L	Introductory Microbiology/Lab	2/1		AGEC	242	Introduction to Agricultural Management	4		
MICR	465	Fundamentals of Animal Disease	3		AGEC	244	Agricultural Marketing	3		
ANSC	320 or 330 or 331 or 365	Dairy Cattle Selection or Meat Selection, Grading & Judging or Livestock Selection or Equine Evaluation	2		AGEC	246	Introduction to Agricultural Finance I	4		
					AGEC	350 or 420	Agrisales or Farm & Ranch Management	3		
					ECON	202	Principles of Macroeconomics (will fulfill Social/Behavioral Science)	3		
					Electives for Animal Agribusiness opt from upper level ANSC, AGECE, COMM, ECON, PLSC or RNG: 12 Credits Required					
ANSC	357	Animal Genetics	3							
ANSC	380	Livestock Sales & Marketing	2							
ANSC	477	Animal Preventive Medicine	3							
AGEC	242	Intro to Agricultural Management	4							
AGEC	244	Agricultural Marketing	3							
PLSC or RNG	320 or 336	Principles of Forage Production or Introduction to Range Management	3							
ANSC	340	Principles of Meat Science	3							
ANSC	480 or 482 or 484 or 486 or 488	Equine Industry and Production Syst or Sheep Industry and Production Syst or Swine Industry and Production Syst or Beef Industry and Production Syst or Dairy Industry and Production Syst	3		*or Higher (except MATH 104) **SAFE 401 to 409 plus ANSC 340, 344 and 48x meets food safety minor requirements. ***Students that are intending to go to veterinary school should consider the biomedical sciences option; this option will meet most vet school pre-requisites; consultation with an adviser is recommended.					