

Animal Science Check Sheet FALL 2018



<u>University Core</u>	<u>Animal Science</u>	<u>Science Elective (2 courses required)</u>	<u>CRS</u>
1A Written Communication	Base Courses - Required	_____ ANEQ460 Meat Safety (S)	2
_____ CO 150 College Comp	_____ ANEQ101 Food Anml Sci	_____ ANEQ522 Metabolism (F)	3
	_____ ANEQ105 Intro Large Anml Anat	_____ BC351 Principles of Biochemistry	4
1B Mathematics	_____ ANEQ250 Live Anml/Carc Eval	_____ BC401 Comprehensive Biochem I	3
_____ Math 117, 118 & 124	_____ ANEQ293 Career Exploration Sem	_____ BC403 Comprehensive Biochem II	3
OR one of the following:	_____ ANEQ305 A&P or BMS300	_____ CHEM245 Fund of Organic Chemistry	4
_____ Math 141, 155 or 160	_____ ANEQ/VS313 (F), ANEQ346, MIP315	_____ CHEM335 Intro Analytical Chem	3
2 Advanced Writing	_____ ANEQ328(S), SOCR330, BZ350, MIP450	_____ CHEM341 Modern Organic Chem I	3
_____ CO 300, 301, 302, or JTC300	_____ SOCR320 (S) or RS300 (F)	_____ CHEM343 Modern Organic Chem II	3
	_____ SPCM200	_____ CHEM345 Organic Chemistry I	4
3A Biological/Physical Science	_____ STAT201 or 301 or 307	_____ CHEM346 Organic Chemistry II	4
_____ CHEM 107/108 Fund Chem	3C AREC202 or ECON202	_____ MIP300 General Microbiology	3
OR	4B Foundation - Required	_____ LIFE205 Microbial Biology	3
_____ CHEM 111/112 Gen Chem I	_____ ANEQ310 Animal Repro (OF,S)	_____ MIP300 General Microbiology	3
Required	_____ ANEQ320 Animal Nutrition	Specialization Electives (12)	
_____ LIFE 102 Attrib of Living Sys	_____ ANEQ330 Animal Breeding (OSS)	Select a total of 12 credits from the	
	_____ ANEQ360 Animal Meat Science (F)	list on the reverse side	
3B Arts/Humanities		_____	
_____	4A, C Capstone - 2 courses required	_____	
_____	_____ ANEQ470 Meat Process Systems (S)	_____	
3C Social/Behavioral Sciences	_____ ANEQ472 Sheep Systems (S)	_____	
_____ AREC 202 or ECON 202	_____ ANEQ473 Dairy Systems (F)	_____	
	_____ ANEQ474 Swine Systems (S)	Business - (9 credits required)	
3D Historical Perspectives	_____ ANEQ476 Feedlot Systems (S)	Select a total of 9 credits from any AREC or	
_____	_____ ANEQ478 Beef Systems (F)	Select a total of 9 credits from any AREC or	
3E Global & Cultural Awareness		ECON course (except AREC202/ECON202) or	
_____	Applied - 4 credits from 2 courses	any of the following: ACT205, BUS205,	
Minimum Graduation Requirements	_____ ANEQ286 Livestock Practicum	FIN305, MGT305, MKT305	
120 credits, 42 upper division credits	_____ ANEQ300 Courses	_____	
2.0 Core GPA, 2.0 Overall GPA	_____ ANEQ322 (F) or ANEQ323 (S) - Online	_____	
	_____ ANEQ352 Intro to Horse Eval (S)	_____	
Credit Limit for Graduation	_____ ANEQ354 Intro to Livestock Eval (F)	Electives - (9-11 credits)	
ANEQ 352-357 & 361-364 Judging	_____ ANEQ356 Intro to Dairy Eval (S)	_____	
ANEQ384 Supv'd College Teach	_____ ANEQ361 Intro to Meat Prod Eval (F)	_____	
ANEQ487A Internship	_____ ANEQ363 Intro Wool & Fiber Eval (F)	_____	
ANEQ495 or ANEQ496 Ind/Grp Stdy	_____ ANEQ384 Supv'd College Teaching	_____	
Maximum combination: 12 credits	_____ One Equine Applied Course	_____	
	_____ LSPA340 Spanish Anml Hlth/Care	_____	
		FAVCIP Requirements	
	A minimum grade of C (2.0) is required for	Must apply for FAVCIP status. For Vet School	
	all ANEQ courses and for BMS300,	requirements see website: http://www.	
	VS313, and MIP315 which are required for	_____	
	graduation.	_____	

Specialization Electives	CRS	Certificate in Animal Nutrition	CRS
ANEQ334 Equine Genetics (S, SS-Online)	3	ANEQ345 Princ. Nutr: Equine (S,SS)	3
ANEQ345 Principles of Nutrition: Equine (S, SS)	3	ANEQ420 Comp Diet Formulation (F)	3
ANEQ355, 357 (F), 362 or 364 (S) Advanced Judging	1/2	ANEQ476 Feedlot Systems (S)	3
ANEQ420 Computer Diet Formulation (F)	3	BC351 Principles of Biochemistry	4
ANEQ450 Processed Meats (F)	3	ANEQ487A Internship ¹	1
ANEQ460 Meat Safety (S)	2	OR ANEQ495 Independent Study ¹	1
ANEQ470 Meat Processing Systems (S)	4		14 crs
ANEQ487A Internship	var		
ANEQ495 Independent Study	var	Certificate in Beef Feedlot Mgmt	CRS
ANEQ496 Group Study	var	ANEQ420 Comp Diet Formulation (F)	3
ANEQ510 Bovine Reproductive Management (F)	4	ANEQ476 Feedlot Systems (S)	3
ANEQ522 Animal Metabolism (F)	3	ANEQ487A Internship ¹	1
ANEQ531 Applied Bovine Resp Disease Mgmt (F)	1	AREC310 Agricultural Markeing	3
ANEQ532 Genetics of Bovine Respiratory Disease (S)	1	AREC412 Ag Commodoties Marketing (F)	3
ANEQ534 Markers to Gene Function-Functl Change (S)	1		13 crs
ANEQ551 Field Necropsy	2		
ANEQ565 Interpreting Animal Science Research (S)	3	Certificate in Beef Production Systems	CRS
ANEQ567 HACCP Meat Safety (S)	2	ANEQ300N Topics: Seedstock Merch	2
ANEQ575 Comp Biology in Animal Breeding (F-Odd)	3	ANEQ470 Meat Processing Systems (S)	4
ANEQ 3rd Capstone	3/4	ANEQ476 Feedlot Systems (S)	3
BC 463 Molecular Genetics (F)	3	ANEQ478 Beef Systems (F)	3
BC 465 Molecular Regulation of Cell Function (S)	3	ANEQ487A Internship ¹	1
BMS305 Domestic Animal Gross Anatomy	4		13 crs
BMS330 Microscopic Anatomy	4		
BMS409 Human & Animal Reproduction Biology (F)	3	Certificate in Meat Science	CRS
BMS430 Endocrinology (F)	3	ANEQ361 Intro to Meat Prod Eval	3
BMS450 Pharmacology (S)	3	ANEQ450 Processed Meats (F)	3
BSPM/BZ/MIP462 Parasitology and Vector Biology (F)	5	ANEQ460 Meat Safety (S)	2
MIP334 Food Microbiology (F)	3	ANEQ470 Meat Processing Systems (S)	4
MIP335 Food Microbiology Lab (F)	2	ANEQ487A Internship ¹	1
MIP342 Immunology	4	OR ANEQ495 Independent Study ¹	1
MIP343 Immunology Lab (S)	2	ANEQ496 Group Study ¹	1
MIP432 Microbial Ecology (S)	3		14 crs
MIP433 Microbial Ecology Lab (S)	1	¹ Must be related to meat evaluation,	
MIP436 Industrial Microbiology (F)	4	meat processing technology,	
MIP443 Microbial Physiology (S)	4	product quality, microbiology,	
MIP450 Microbial Genetics (F)	3	and/or food safety.	
RS400 Rangeland Improvements (F)	2		
RS471 Rangeland Planning & Grazing Mgmt (F)	2		
RS472 Rangeland Ecosystem Planning (S)	4		
VS331 Histology	4		

Select a total of 12 credits from the Specialization Animal Science List or students may satisfy the specialization requirement by completing a 2nd major (Equine Sciences, Ag Business, Ag Education, or Journalism) or a minor (Food Science & Safety, Ag Business, or Business Administration).

¹ Certificate Internships/Independent Studies must be in specialization area.