

Animal Science Options—Possible 4-year curricula 2014-15

The following is a possible curriculum for the General Animal Science Option:		
FIRST YEAR		
	Course	Credits
CALS 001/ CALS 002	Foundations	6
	Cultural Diversity--1	3
ASCI 001	Intro. to Animal Science	4
	Organic Chemistry	4
	Inorganic Chemistry	4
	Mathematics	3
	Biology	4
	Written English	3
	Electives	0-3
	Total	31-34
SOPHOMORE YEAR		
	Course	Credits
ASCI 141	Anat. & Physiol. of Domestic Animals	4
ASCI 110	Animal Nutrition, Metab. & Feeding	4
ASCI 168	Animal Genetics & Breeding	3
ASCI 171	Zoos, Exotics & Endangered Species	3
	Biology	4
	Environmental Biology	3
	Principles of Wildlife Mgmt.	3
	Statistics	3
	Electives	4-9
	Total	31-36
JUNIOR YEAR		
	Course	Credits
	Ornithology	3
	Terrestrial Wildlife	3
	Animal Behavior	3
ASCI 154	Dog Training & Behavior	3
ASCI 122	Animals in Society/Animal Welfare	3
ASCI 118	Applied Animal Health	3
	Psychology Research Methods	4
	Cultural Diversity--2	3
	Electives	7-10
	Total	30-36
SENIOR YEAR		
	Course	Credits
ASCI 215	Physiology of Reproduction	4
	Animal Behavior	3
ASCI 272	Adv. Zoos, Exotics & Endang. Species	3
ASCI 216	Endocrinology	3
ASCI 263	Clinical Topics in Companion An Med	3
	Field Experience	12
	Electives	5-11
	Total	30-36

The following is a possible curriculum for the Preveterinary/Preprofessional Option:		
FIRST YEAR		
	Course	Credits
CALS 001/ CALS 002	Foundations	6
	Cultural Diversity--1	3
	Inorganic Chemistry	8
	Math	3
ASCI 001	Intro. to Animal Science	4
	Biology	4
	Electives	3
	Total	31
SOPHOMORE YEAR		
	Course	Credits
	Organic Chemistry	8
ASCI 110	Animal Nutrition, Metab. & Feeding	4
	Statistics	3
ASCI 141	Anat. & Physiol. of Domestic Animals	4
ASCI 168	Animal Genetics & Breeding	3
	Written English	3
	Biology	4
	Electives	3-6
	Total	32-35
JUNIOR YEAR		
	Course	Credits
ASCI 122	Animals in Society/Animal Welfare	3
ASCI 117	Horse Health & Disease	3
	Microbiology	4
	Physics	10
	English Composition	3
ASCI 181	Career Seminar	1
	Cultural Diversity--2	3
	Electives	2-8
	Total	29-35
SENIOR YEAR		
	Course/Hrs	Credits
	Clinical Veterinary Medicine	3
ASCI 118	Appl. Animal Health	3
ASCI 215	Physiology of Reproduction	4
ASCI 216	Endocrinology	3
	Biochemistry	4
	Genetics	3
ASCI 154	Dog Training & Behavior	3
	Electives	6-12
	Total	29-35

The following is a possible curriculum for the Dairy Production/Farm Management Option:		
FIRST YEAR		
	Course	Credits
CALS 001/ CALS 002	Foundations	6
ASCI 001	Intro. to Animal Science	4
ASCI 118	Applied Animal Health	3
CDAE 002	World Food, Population & Development (D2 requirement fulfilled)	3
CHEM 23	Outline of General Chemistry	4
CHEM 26	Outline of Organic & Biochemistry	4
	Mathematics	3
BIOL 002	Principles of Biology	4
	Electives	3
	Total	31
SOPHOMORE YEAR		
	Course	Credits
ASCI 122	Animal in Society/Animal Welfare	3
ASCI 134	CREAM	4
ASCI 144	Anat & Physiol of Domestic Animals	4
ASCI 168	Animal Genetics	3
ASCI 181	ASCI Career Seminar	1
BIOL 001	Principles of Biology	4
ENGS 001	Written Expression	3
	D1 Elective	3
	Electives	9
	Total	34
JUNIOR YEAR		
	Course	Credits
ASCI 110	Animal Nutrition, Metab & Feeding	4
ASCI 135	CREAM	4
ASCI 156	Dairy Management Seminar	2
ASCI 143	Forage & Pasture Mgmt	3
ASCI XXX	Research Trial @ MRC	2
ASCI 234	Advanced Dairy Mgmt @ Miner Institute	15
	Total	30
SENIOR YEAR		
	Course	Credits
ASCI 156	Dairy Management Seminar	2
ASCI 215	Physiology of Reproduction	3
ASCI 216	Endocrinology	3
ASCI 230	Agricultural Policy & Ethics	3
ASCI 252	FARMS Senior Project	4
ASCI 264	Clinical Topics: Livestock Medicine	3
ASCI XXX	Undergrad Research/Internship	6
ASCI 220	Lactation Physiology or other 200 level course	3
CDAE 266	Dec Making: Comm Entrepreneurs	3
	Elective	3
	Total	33

The following is a possible curriculum for the Equine Science Option:		
FIRST YEAR		
	Course	Credits
CALS 001/ CALS 002	Foundations	6
	Cultural Diversity--1	3
ASCI 001	Intro. to Animal Science	4
	Inorganic Chemistry	4
	Written English	3
	Organic Chemistry	4
	Mathematics	3
ASCI 115	Intro. to Equine Studies	4
	Electives	0-5
	Total	31-36
JUNIOR YEAR		
	Course	Credits
ASCI 141	Anat. & Physiology of Domestic Animals	4
	Biology	4
ASCI 043	Fundamentals of Nutrition	3
ASCI 117	Horse Health & Disease	3
	Emergency First Aid	2
ASCI 110	Animal Nutrition, Metabolism & Feeding	4
	Financial Management	3
	Intro Community Entrepreneurship	3
	Cultural Diversity--2	3
	Electives	4-7
	Total	30-36
JUNIOR YEAR		
	Course	Credits
ASCI 215	Physiology of Reproduction	4
	Mircobiology	4
	Plant Science	3
ASCI 119 or 121	Equine Training Tech. or EQUUS	3 or 4
	Statistics	3
ASCI 298	Equine Enterprise Management	2
ASCI 181	Career Seminar	1
	Marketing	3
	Electives	3-9
	Total	29-36
SENIOR YEAR		
	Course/Hrs	Credits
ASCI 205	Equine Reproduction & Mgmt.	3
ASCI 125	Equine Instructing Techniques	3
	Forage Crops	3
ASCI 298	Equine Industry Issues	3
	Genetics	3
	Equine Internship	3-6
	Decision Making	3
	Electives	3-14
	Total	30-36