

Course	Title	Credits
1st Year – Autumn Semester		
MATH 1148 ^a	College Algebra	4
ENGLISH 1110.01 ^a	First-Year English Composition	3
ANMLTEC 1201.08T	Exploring Animal Biosciences Careers	0.5
GENSTDS 1201.01T	College Orientation	0.5
CHEM 1210 ^b	General Chemistry I	5
ANIMSCI 2000	Animal Handling	2
	Total:	15
1st Year – Spring Semester		
GE Launch Seminar	Student Choice	1
BIOLOGY 1113.01 ^a	Bio Sci: Energy Transfer and Development	4-5
ANMLTEC 2200.02T	Introduction to Animal Sciences Laboratory	1
ANIMSCI 2200.01	Introductory Animal Sciences	3
ANIMSCI 2200.03	Animal Systems	2
CHEM 1220	General Chemistry II	5
	Total:	16-17
2nd Year – Autumn Semester		
GE Lit, Vis and Perf Arts	Student Choice	3
AEDECON 2001 ^a	Principles of Food and Resource Economics	3
ANMLTEC 3140T	Animal Anatomy and Physiology	4
COMLDR 3537	Data Analysis in the Applied Sciences	3
ELECTIVES	Courses to be selected in consultation with advisor	3
	Total:	16
2nd Year – Spring Semester		
GE R.E. & G. Diversity	Student Choice	3
GE Hist. & Cultural Studies	Student Choice	3
ANMLTEC 3150T OR ANMLTEC 3157T	Livestock Genetic Improvement OR Dairy Cattle Genetic Improvement	3
AGRCOMM 3130	Oral Expression in Agriculture	3
ELECTIVES	Courses to be selected in consultation with advisor	4
	Total:	16
Total Credits for Associate of Science Degree:		63-64

^a One possible course from approved GE list or major requirement that has multiple options, as outlined in corresponding Degree Requirements document.

^b Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

Approved List of Electives (Select at least 7 credits from list below)		Credits	Semester
ANMLTEC 2201T ^a	Introduction to Horse Science	3	AU
ANMLTEC 2202T ^b AND ANMLTEC 3402T ^{b, c}	Introduction to Beef and Small Ruminant Production AND Beef Production and Management	3 4	AU SP
ANMLTEC 2603T ^b AND ANMLTEC 3403T ^{b, c}	Swine Production and Management I AND Swine Production and Management II	3 4	AU SP
ANMLTEC 3131T ^{a, c} OR ANMLTEC 3132T ^{a, c} OR ANMLTEC 3133T ^{a, c} OR ANMLTEC 3137T ^{a, c}	Equine Feeding and Nutrition OR Ruminant Feeds and Feeding OR Practical Swine Feeding OR Dairy Cattle Feeding Management	3	AU SP AU SP
ANMLTEC 3151T ^{b, c} AND ANMLTEC 3161T ^{b, c}	Horse Breeding and Selection AND Applied Equine Reproductive Management	3 2	SP SP
ANMLTEC 3167T ^d	Dairy Cattle Milking and Reproductive Management	4	AU
ANMLTEC 3170T ^c OR ANMLTEC 3171T ^c OR ANMLTEC 3177T ^c	Principles of Livestock Health OR Horse Health and Disease OR Dairy Cattle Health Management	3 3 4	SP
*ANMLTEC 3191.01T ^{a, c}	Equine Industry Internship Experience	1-3	AU, SP, SU
*ANMLTEC 3191.02T ^{a, c}	Beef Industry Internship	2-3	AU, SP, SU
*ANMLTEC 3191.03T ^{a, c}	Swine Industry Internship	2-3	AU, SP, SU
*ANMLTEC 3191.04T ^{a, c}	Small Ruminant Industry Internship	2-3	AU, SP, SU
*ANMLTEC 3191.07T ^{a, c}	Dairy Industry Internship	2-3	AU, SP, SU
ANMLTEC 3200T ^{a, c} OR ANMLTEC 3201T ^{a, c} OR ANMLTEC 3207T ^{a, c}	Livestock Selection and Evaluation Horse Judging and Evaluation Dairy Cattle Evaluation and Herd Records	2 2 2	AU SP AU
BIOLOGY 1114.01 ^{c, e}	Bio Sci: Form, Function, Diversity and Ecology	4	SP
CHEM 2510 ^{c, e}	Organic Chemistry I	4	AU
MICRBIO 4000.01 ^{c, e}	Basic and Practical Microbiology	4	SP

* A grade of C or better is required to meet graduation requirements.

^a Major elective course in BS

^b Both courses equivalent to Production 2 course in BS

^c Consult bulletin for pre- and co-requisite course

^d Physiology course in BS

^e Major supporting course in BS