

Course	Title	Credits
<b>1<sup>st</sup> Year – Autumn Semester</b>		
ENGLISH 1110.01 <sup>a</sup>	First-Year English Composition	3
MATH 1148 <sup>a</sup>	College Algebra	4
GENSTDS 1201.01T	College Orientation	0.5
ANMLTEC 1202.07T	Exploring Dairy Careers and Industry	0.5
ANMLTEC 3167T	Dairy Cattle Milking and Reproductive Management	4
ANMLTEC 3207T	Dairy Cattle Evaluation and Herd Records	2
ANIMSCI 2200.03T	Animal Systems	2
<b>Total:</b>		<b>16</b>
<b>1<sup>st</sup> Year – Spring Semester</b>		
GENED 1201	GE Launch Seminar	1
AEDECON 2001 <sup>a</sup>	Principles of Food and Resource Economics	3
CHEM 1110 OR 1210	Elementary Chemistry or General Chemistry I	5
ANIMSCI 2200.01	Introductory Animal Sciences	3
ANMLTEC 2200.02T	Introduction to Animal Sciences Laboratory	1
ANMLTEC 3177T	Dairy Cattle Health Management	4
<b>Total:</b>		<b>17</b>
<b>2<sup>nd</sup> Year – Autumn Semester</b>		
AGRCOMM 3130	Oral Expression in Agriculture	3
BIOLOGY 1113.01 <sup>a</sup>	Bio Sci: Energy Transfer and Development	4-5
COMLDR 3537	Data Analysis in the Applied Sciences	3
ANMLTEC 2787T	Applied Dairy Herd Practices and Management	1
GE Lit, Vis and Perf Arts	Student Choice	3
<b>Total:</b>		<b>14-15</b>
<b>2<sup>nd</sup> Year – Spring Semester</b>		
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3157T	Dairy Cattle Genetic Improvement	3
ANMLTEC 3137T	Dairy Cattle Feeding Management	3
GE R.E. & G. Diversity	Student Choice	3
GE Hist. & Cultural Studies	Student Choice	3
<b>Total:</b>		<b>16</b>
<b>Total Credits for Associate of Science Degree:</b>		<b>63-64</b>

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

Recommend taking ANMLTEC 3407T Dairy Cattle Facilities, Environment, and Equipment during 2<sup>nd</sup> Year Autumn Semester if student has transfer or College Credit Plus credits and number of semester credits enrolled in allows.

<b>Approved List of Electives</b> (Select at least 14 credits from list below)		<b>Credits</b>	<b>Semester</b>
<b>All Species</b>			
ANIMSCI 2000 <sup>a</sup>	Animal Handling	2	AU, SP
BIOLOGY 1114.01 <sup>b, c</sup> OR	Bio Sci: Form, Function, Diversity and Ecology OR	4	SP
CHEM 1220 <sup>b, c</sup> OR	General Chemistry II OR	5	
MICRBIO 4000.01 <sup>b, c</sup>	Basic and Practical Microbiology	4	
<b>Beef</b>			
ANMLTEC 2202T <sup>d</sup> AND	Introduction to Beef and Small Ruminant Production AND	3	AU
ANMLTEC 3402T <sup>b, d</sup>	Beef Production and Management	4	SP
*ANMLTEC 2510.02T <sup>e</sup>	Food Animal Resource Management I - Beef	1	AU, SP
*ANMLTEC 2582.02T <sup>b, e</sup>	Food Animal Resource Management II - Beef	1	AU, SP
ANMLTEC 3132T <sup>b, e</sup>	Ruminant Feeds and Feeding	3	SP
ANMLTEC 3170T <sup>b</sup>	Principles of Livestock Health	3	SP
<b>Dairy</b>			
*ANMLTEC 2787T <sup>b, e</sup>	Applied Dairy Herd Practices & Management	1	AU, SP
ANMLTEC 3137T <sup>b, e</sup>	Dairy Cattle Feeding Management	3	SP
ANMLTEC 3167T <sup>f</sup>	Dairy Cattle Milking and Reproductive Management	4	AU
ANMLTEC 3177T <sup>b</sup>	Dairy Cattle Health Management	4	SP
ANMLTEC 3207T <sup>e</sup>	Dairy Cattle Evaluation and Herd Records	2	AU
<b>Horse</b>			
*ANMLTEC 2189.01T <sup>e</sup>	Horse Practicum	1	SU, AU, SP
ANMLTEC 2201T <sup>e</sup>	Introduction to Horse Science	3	AU
ANMLTEC 2800T <sup>b, g</sup> OR	Basic Horsemanship OR	2	AU
ANMLTEC 2801T <sup>b, e</sup>	Horsemanship and Equitation	3	AU
ANMLTEC 3131T <sup>b, e</sup>	Equine Feeding and Nutrition	3	AU
ANMLTEC 3151T <sup>b, d</sup> AND	Horse Breeding and Selection AND	3	SP
ANMLTEC 3161T <sup>b, d</sup>	Applied Equine Reproductive Management	2	SP
ANMLTEC 3171T <sup>b</sup>	Horse Health and Disease	3	SP
ANMLTEC 3201T <sup>e</sup>	Horse Judging and Evaluation	2	SP
<b>Small Ruminant</b>			
ANMLTEC 2202T <sup>d</sup> AND	Introduction to Beef and Small Ruminant Production AND	3	AU
ANMLTEC 3404T <sup>b, d</sup>	Small Ruminant Production and Management	4	SP
*ANMLTEC 2510.04T <sup>e</sup>	Food Animal Resource Management I - Small Ruminants	1	AU, SP
*ANMLTEC 2582.04T <sup>b, e</sup>	Food Animal Resource Management II - Small Ruminants	1	AU, SP
ANMLTEC 3132T <sup>b, e</sup>	Ruminant Feeds and Feeding	3	SP
ANMLTEC 3170T <sup>b, d</sup>	Principles of Livestock Health	3	SP
<b>Swine</b>			
*ANMLTEC 2510.03T <sup>e</sup>	Food Animal Resource Management I - Swine	1	AU, SP
*ANMLTEC 2582.03T <sup>b, e</sup>	Food Animal Resource Management II – Swine	1	AU, SP
ANMLTEC 2603T <sup>d</sup> AND	Swine Production and Management I AND	3	AU
ANMLTEC 3403T <sup>b, d</sup>	Swine Production and Management II	4	SP
ANMLTEC 3133T <sup>b, e</sup>	Practical Swine Feeding	3	AU
ANMLTEC 3170T <sup>b</sup>	Principles of Livestock Health	3	SP

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

<sup>a</sup> Major course in BS

<sup>b</sup> Consult bulletin for pre- and co-requisite course

<sup>c</sup> Major supporting course in BS

<sup>d</sup> Both courses equivalent to Production 2 course in BS

<sup>e</sup> Major elective course in BS

<sup>f</sup> Physiology course in BS

<sup>g</sup> Free elective in BS