<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1st Year – Autumn Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GE Writing and Info. Literacy</td>
<td>Student Choice</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1148*</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>GENSTDS 1201.01T</td>
<td>College Orientation</td>
<td>0.5</td>
</tr>
<tr>
<td>ANMLTEC 1202.02T</td>
<td>Exploring Livestock Careers and Industry</td>
<td>0.5</td>
</tr>
<tr>
<td>ANIMSCI 2200.01</td>
<td>Introductory Animal Sciences</td>
<td>3</td>
</tr>
<tr>
<td>ANMLTEC 2202T</td>
<td>Introduction to Beef and Small Ruminant Production</td>
<td>3</td>
</tr>
<tr>
<td>ANMLTEC 2200.02T</td>
<td>Introduction to Animal Sciences Laboratory</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td><strong>1st Year – Spring Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GENED 1201</td>
<td>GE Launch Seminar</td>
<td>1</td>
</tr>
<tr>
<td>AGRCOMM 3130</td>
<td>Oral Expression in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1110 OR 1210</td>
<td>Elementary Chemistry or General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>ANIMSCI 2200.03T</td>
<td>Animal Systems</td>
<td>2</td>
</tr>
<tr>
<td>ANMLTEC 3170T</td>
<td>Principles of Livestock Health</td>
<td>3</td>
</tr>
<tr>
<td>GE Lit, Vis and Perf Arts</td>
<td>Student Choice</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td><strong>17</strong></td>
</tr>
<tr>
<td><strong>2nd Year – Autumn Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADECON 2001*</td>
<td>Principles of Food and Resource Economics</td>
<td>3</td>
</tr>
<tr>
<td>BIOLOGY 1113.01*</td>
<td>Bio Sci: Energy Transfer and Development</td>
<td>4.5</td>
</tr>
<tr>
<td>COMLDR 3537</td>
<td>Data Analysis in the Applied Sciences</td>
<td>3</td>
</tr>
<tr>
<td>ANMLTEC 2510.02T</td>
<td>Food Animal Resource Management I – Beef</td>
<td>1</td>
</tr>
<tr>
<td>GE R.E. &amp; G. Diversity</td>
<td>Student Choice</td>
<td>3</td>
</tr>
<tr>
<td>GE Hist. &amp; Cultural Studies</td>
<td>Student Choice</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td><strong>17-18</strong></td>
</tr>
<tr>
<td><strong>2nd Year – Spring Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANMLTEC 3140T</td>
<td>Animal Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>ANMLTEC 3150T</td>
<td>Livestock Genetic Improvement</td>
<td>3</td>
</tr>
<tr>
<td>ANMLTEC 3132T</td>
<td>Ruminant Feeds and Feeding</td>
<td>3</td>
</tr>
<tr>
<td>ANMLTEC 3402T</td>
<td>Beef Production and Management</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td><strong>14</strong></td>
</tr>
<tr>
<td><strong>Total Credits for Associate of Science Degree:</strong></td>
<td></td>
<td><strong>63-64</strong></td>
</tr>
</tbody>
</table>

*a One possible course from approved GE list or major requirement that has multiple options, as outlined in corresponding Degree Requirements document.
### Approved List of Electives (Select at least 14 credits from list below)

<table>
<thead>
<tr>
<th>All Species</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANMSCI 2000</td>
<td>2</td>
<td>AU, SP</td>
</tr>
<tr>
<td>BIOLOGY 1114.01b, c OR CHEM 1220b, c OR MICROBIO 4000.01b, c</td>
<td>4, 5</td>
<td>SP</td>
</tr>
<tr>
<td>* ANMLTEC 2202T</td>
<td>3</td>
<td>AU</td>
</tr>
<tr>
<td>* ANMLTEC 3402T</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>* ANMLTEC 2510.02T</td>
<td>1</td>
<td>AU, SP</td>
</tr>
<tr>
<td>* ANMLTEC 2582.02T</td>
<td>1</td>
<td>AU, SP</td>
</tr>
<tr>
<td>ANMLTEC 3132T</td>
<td>3</td>
<td>SP</td>
</tr>
<tr>
<td>ANMLTEC 3170T</td>
<td>3</td>
<td>SP</td>
</tr>
</tbody>
</table>

### Beef

<table>
<thead>
<tr>
<th>All Species</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANMLTEC 2202T AND ANMLTEC 3402T</td>
<td>Introduction to Beef and Small Ruminant Production AND Beef Production and Management</td>
<td>3</td>
</tr>
<tr>
<td>* ANMLTEC 2510.02T</td>
<td>Food Animal Resource Management I - Beef</td>
<td>1</td>
</tr>
<tr>
<td>* ANMLTEC 2582.02T</td>
<td>Food Animal Resource Management II - Beef</td>
<td>1</td>
</tr>
<tr>
<td>ANMLTEC 3132T</td>
<td>Ruminant Feeds and Feeding</td>
<td>3</td>
</tr>
<tr>
<td>ANMLTEC 3170T</td>
<td>Principles of Livestock Health</td>
<td>3</td>
</tr>
</tbody>
</table>

### Dairy

<table>
<thead>
<tr>
<th>All Species</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>* ANMLTEC 2787T</td>
<td>Applied Dairy Herd Practices and Management</td>
<td>1</td>
</tr>
<tr>
<td>ANMLTEC 3137T</td>
<td>Dairy Cattle Feeding Management</td>
<td>3</td>
</tr>
<tr>
<td>ANMLTEC 3167T</td>
<td>Dairy Cattle Milking and Reproductive Management</td>
<td>4</td>
</tr>
<tr>
<td>ANMLTEC 3177T</td>
<td>Dairy Cattle Health Management</td>
<td>4</td>
</tr>
<tr>
<td>ANMLTEC 3207T</td>
<td>Dairy Cattle Evaluation and Herd Records</td>
<td>2</td>
</tr>
</tbody>
</table>

### Horse

<table>
<thead>
<tr>
<th>All Species</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>* ANMLTEC 2189.01T</td>
<td>Horse Practicum</td>
<td>1</td>
</tr>
<tr>
<td>ANMLTEC 2201T</td>
<td>Introduction to Horse Science</td>
<td>3</td>
</tr>
<tr>
<td>ANMLTEC 2800T OR ANMLTEC 2801T</td>
<td>Basic Horsemanship OR Horsemanship and Equitation</td>
<td>2, 3</td>
</tr>
<tr>
<td>ANMLTEC 3131T</td>
<td>Equine Feeding and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>ANMLTEC 3151T AND ANMLTEC 3161T</td>
<td>Horse Breeding and Selection AND Applied Equine Reproductive Management</td>
<td>3, 2</td>
</tr>
<tr>
<td>ANMLTEC 3171T</td>
<td>Horse Health and Disease</td>
<td>3</td>
</tr>
<tr>
<td>ANMLTEC 3201T</td>
<td>Horse Judging and Evaluation</td>
<td>2</td>
</tr>
</tbody>
</table>

### Small Ruminant

<table>
<thead>
<tr>
<th>All Species</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANMLTEC 2202T AND ANMLTEC 3404T</td>
<td>Introduction to Beef and Small Ruminant Production AND Small Ruminant Production and Management</td>
<td>3, 4</td>
</tr>
<tr>
<td>* ANMLTEC 2510.04T</td>
<td>Food Animal Resource Management I - Small Ruminants</td>
<td>1</td>
</tr>
<tr>
<td>* ANMLTEC 2582.04T</td>
<td>Food Animal Resource Management II - Small Ruminants</td>
<td>1</td>
</tr>
<tr>
<td>ANMLTEC 3132T</td>
<td>Ruminant Feeds and Feeding</td>
<td>3</td>
</tr>
<tr>
<td>ANMLTEC 3170T</td>
<td>Principles of Livestock Health</td>
<td>3</td>
</tr>
</tbody>
</table>

### Swine

<table>
<thead>
<tr>
<th>All Species</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>* ANMLTEC 2510.03T</td>
<td>Food Animal Resource Management I - Swine</td>
<td>1</td>
</tr>
<tr>
<td>* ANMLTEC 2582.03T</td>
<td>Food Animal Resource Management II - Swine</td>
<td>1</td>
</tr>
<tr>
<td>ANMLTEC 2603T AND ANMLTEC 3403T</td>
<td>Swine Production and Management I AND Swine Production and Management II</td>
<td>3, 4</td>
</tr>
<tr>
<td>ANMLTEC 3132T</td>
<td>Swine Production and Management</td>
<td>3</td>
</tr>
<tr>
<td>ANMLTEC 3170T</td>
<td>Principles of Livestock Health</td>
<td>3</td>
</tr>
</tbody>
</table>

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

  a Major course in BS
  b Consult bulletin for pre- and co-requisite course
  c Major supporting course in BS
  d Both courses equivalent to Production 2 course in BS
  e Major elective course in BS
  f Physiology course in BS
  g Free elective in BS