### DAIRY INDUSTRIES MINOR

#### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSCI 230</td>
<td>General Dairy Husbandry</td>
<td>4</td>
</tr>
<tr>
<td>DSCI 231</td>
<td>General Dairy Manufacturing</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Approved Electives

Select one of the following emphasis areas (at least 13 units must be at the 300-400 level):

1. **Dairy Husbandry Area**
   - ASCI 220  Introductory Animal Nutrition and Feeding
   - DSCI 102  Dairy Operations and Safety
   - DSCI 202  Dairy Promotion and Marketing
   - DSCI 241  Dairy Cattle Selection, Breeds, Fitting and Showing
   - DSCI 270  Selected Topics
   - DSCI 301  Dairy Cattle Nutrition
   - DSCI 321  Lactation Physiology
   - DSCI 330  Artificial Insemination and Embryo Biotechnology
   - DSCI 333  Dairy Animal Health, Safety and Applied Technology
   - DSCI 410  Advanced Dairy Nutrition
   - DSCI 412  Dairy Farm Consultation
   - DSCI 422  Breeding and Genetics of Dairy Cattle
   - DSCI 432  Advanced Dairy Herd Management
   - DSCI 470  Selected Advanced Topics

2. **Dairy Foods Area**
   - CHEM 312  Survey of Organic Chemistry
   - CHEM 313  Survey of Biochemistry and Biotechnology
   - DSCI 202  Dairy Promotion and Marketing
   - DSCI 233  Milk Processing and Inspection
   - DSCI 401  Physical and Chemical Properties of Dairy Products
   - DSCI 402  Quality Assurance and Control of Dairy Products
   - DSCI 433  Dairy Plant Management and Equipment
   - DSCI 434  Cheese and Fermented Dairy Foods
   - DSCI 435  Concentration and Fractionation Technology
   - DSCI 444  Dairy Microbiology
   - or MCRO 421  Food Microbiology
   - FSN 275  Elements of Food Safety
   - or FSN 375  Food Safety
   - MCRO 221  Microbiology

Total units: 26

---

As a science-based minor, it is assumed that students have completed college introductory courses in biology, chemistry and statistics. In addition, some upper division courses may require microbiology, organic chemistry and/or biochemistry.