ANIMAL SCIENCES: FOOD ANIMAL PRODUCTION & MANAGEMENT, BS

for the degree of Bachelor of Science Major in Animal Sciences, Food Animal Production & Management concentration

department website: https://ansc.illinois.edu/
department faculty: Animal Sciences Faculty (https://ansc.illinois.edu/directory/faculty/)
overview of college admissions & requirements: Agricultural, Consumer & Environmental Sciences (http://catalog.illinois.edu/schools/aces/academic-units/#text)
college website: https://aces.illinois.edu/

The Food Animal Production and Management Concentration is designed for students intending to pursue a career in animal care and management or one of the associated food production industries. It emphasizes the scientific disciplines and the application of technology involved in animal production and animal products, as well as providing the opportunity to enhance a student’s practical knowledge through business courses.

for the degree of Bachelor of Science Major in Animal Sciences, Food Animal Production & Management concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>RHET 105</td>
<td>Writing and Research (or equivalent) (see college Composition I requirement)</td>
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<tr>
<td>CMN 101</td>
<td>Public Speaking</td>
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<td><strong>Advanced Composition</strong></td>
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<td>Select from campus approved list.</td>
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<td></td>
<td><strong>Cultural Studies</strong></td>
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<td>Select one course from Western culture, one from non-Western culture, and one from U.S. minority culture from campus approved lists.</td>
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<td></td>
<td><strong>Foreign Language</strong></td>
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<td>Coursework at or above the third level is required for graduation.</td>
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<td><strong>Quantitative Reasoning I</strong></td>
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<td>Select one of the following:</td>
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<tr>
<td></td>
<td>MATH 220 Calculus</td>
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<tr>
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<td>MATH 221 Calculus I</td>
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<td>MATH 234 Calculus for Business I</td>
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<td><strong>Quantitative Reasoning II</strong></td>
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<td>Select one of the following:</td>
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<tr>
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<td>ACE 261 Applied Statistical Methods</td>
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<tr>
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<td>CPSC 241 Intro to Applied Statistics</td>
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<td>ECON 202 Economic Statistics I</td>
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<td>PSYC 235 Intro to Statistics</td>
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<td>SOC 280 Intro to Social Statistics</td>
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Natural Sciences and Technology

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<tr>
<td>ANSC 100</td>
<td>Intro to Animal Sciences</td>
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<td>ANSC 101</td>
<td>Contemporary Animal Issues</td>
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<td>ANSC 103</td>
<td>Working With Farm Animals</td>
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<tr>
<td>ANSC 221</td>
<td>Cells, Metabolism and Genetics</td>
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<td>ANSC 222</td>
<td>Anatomy and Physiology</td>
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<tr>
<td>ANSC 223</td>
<td>Animal Nutrition</td>
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<td>ANSC 224</td>
<td>Animal Reproduction and Growth</td>
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<td>ANSC 298</td>
<td>Undergraduate Seminar</td>
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<td>ANSC 398</td>
<td>UG Experiential Learning</td>
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<td>ANSC 498</td>
<td>Integrating Animal Sciences</td>
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1 ANSC 398 only fulfills the degree requirement when taken for a standard letter grade.

<table>
<thead>
<tr>
<th>Code</th>
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<tr>
<td>ANSC 201</td>
<td>Principles of Dairy Production</td>
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<td>ANSC 204</td>
<td>Intro Dairy Cattle Evaluation</td>
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<td>ANSC 205</td>
<td>World Animal Resources</td>
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<td>ANSC 206</td>
<td>Horse Management</td>
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<td>ANSC 211</td>
<td>Breeding Animal Evaluation</td>
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<td>ANSC 219</td>
<td>Meat Technology</td>
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<td>ANSC 250</td>
<td>Companion Animals in Society</td>
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<tr>
<td>ANSC 301</td>
<td>Food Animal Production, Management, and Evaluation</td>
<td>4</td>
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<td>ANSC 305</td>
<td>Human Animal Interactions</td>
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<td>ANSC 306</td>
<td>Equine Science</td>
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<td>ANSC 307</td>
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<td>ANSC 309</td>
<td>Meat Production and Marketing</td>
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<td>ANSC 310</td>
<td>Meat Selection and Grading</td>
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<td>ANSC 312</td>
<td>Advanced Livestock Evaluation</td>
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<td>ANSC 313</td>
<td>Horse Appraisal</td>
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<td>ANSC 314</td>
<td>Adv Dairy Cattle Evaluation</td>
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<td>ANSC 322</td>
<td>Livestock Feeds and Feeding</td>
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<td>ANSC 370</td>
<td>Companion Animal Policy</td>
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<td>ANSC 400</td>
<td>Dairy Herd Management</td>
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Information listed in this catalog is current as of 06/2021
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<tbody>
<tr>
<td>ANSC 401</td>
<td>Beef Production</td>
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<td>ANSC 402</td>
<td>Sheep and Goat Production</td>
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<td>ANSC 403</td>
<td>Pork Production</td>
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<td>ANSC 404</td>
<td>Poultry Science</td>
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<td>ANSC 405</td>
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<td>ANSC 407</td>
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<td>ANSC 424</td>
<td>Pet Food &amp; Feed Manufacturing</td>
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<td>ANSC 435</td>
<td>Milk Quality and Udder Health</td>
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<td>ANSC 437</td>
<td>Adv Reproductive Management</td>
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<td>ANSC 471</td>
<td>ANSC Leaders &amp; Entrepreneurs</td>
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Select two of the following Basic Sciences courses: 6

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<td>ANSC 251</td>
<td>Epidemics and Infectious Diseases</td>
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<td>ANSC 331</td>
<td>Biology of Reproduction</td>
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<td>ANSC 350</td>
<td>Cellular Metabolism in Animals</td>
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<td>ANSC 363</td>
<td>Behavior of Domestic Animals</td>
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<td>ANSC 366</td>
<td>Animal Behavior</td>
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<td>ANSC 406</td>
<td>Zoo Animal Conservation Sci</td>
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<td>ANSC 409</td>
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<td>Ruminant Nutrition</td>
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<td>ANSC 421</td>
<td>Minerals and Vitamins</td>
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<td>ANSC 431</td>
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<td>ANSC 438</td>
<td>Lactation Biology</td>
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<td>Animal Growth and Development</td>
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<td>Nonruminant Nutrition Concepts</td>
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<td>ANSC 533</td>
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<td>ANSC 561</td>
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Additional elective courses must be completed to yield at least 126 total Hours for graduation.

**Total Hours**: 126