COMPUTER SCIENCE & ANIMAL SCIENCES, BS

for the degree of Bachelor of Science Major in Computer Science & Animal Sciences

animal sciences department information: https://ansc.illinois.edu/
computer science department information: https://cs.illinois.edu/
overview of college admissions & requirements: Agricultural, Consumer & Environmental Sciences

Please see the Computer Science advisor in 1210 Siebel Center, as well as the Animal Sciences Undergraduate Curriculum Coordinator, Dr. David Miller, 116 Animal Sciences Lab.

for the degree of Bachelor of Science Major in Computer Science & Animal Sciences

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Composition and Speech (choose 1 from):</td>
<td></td>
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<tr>
<td>RHET 105</td>
<td>Writing and Research &amp; CMN 101 and Public Speaking</td>
<td>6-7</td>
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<tr>
<td>CMN 111</td>
<td>Oral &amp; Written Comm I &amp; CMN 112 and Oral &amp; Written Comm II</td>
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<tr>
<td>Advanced Composition (students select from Gen Ed List)</td>
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<tr>
<td>Cultural Studies</td>
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<tr>
<td>Western Culture (students select from Gen Ed List)</td>
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<tr>
<td>Non-Western Culture (students select from Gen Ed List)</td>
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<tr>
<td>US Minority Culture (students select from Gen Ed List)</td>
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<td>Language other than English (at or above 3rd level)</td>
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<tr>
<td>Natural Sciences and Technology</td>
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<tr>
<td>CHEM 102</td>
<td>General Chemistry I &amp; CHEM 103 and General Chemistry Lab I</td>
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<tr>
<td>CHEM 104</td>
<td>General Chemistry II &amp; CHEM 101 and General Chemistry Lab II</td>
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<td>Humanities and the Arts (students select from Gen Ed List)</td>
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<tr>
<td>Social and Behavioral Sciences</td>
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<tr>
<td>ECON 102</td>
<td>Microeconomic Principles or ACE 100 Introduction to Applied Microeconomics</td>
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<tr>
<td>Students choice from Gen Ed List</td>
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<tr>
<td>Mathematical Foundations (fulfills Quantitative Reasoning I &amp; II)</td>
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<tr>
<td>CS 361</td>
<td>Probability &amp; Statistics for Computer Science</td>
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<tr>
<td>MATH 220</td>
<td>Calculus or MATH 221 Calculus I</td>
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<tr>
<td>MATH 225</td>
<td>Introductory Matrix Theory</td>
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</tbody>
</table>

Information listed in this catalog is current as of 03/2020
ANSC 435  Milk Quality and Udder Health
ANSC 437  Adv Reproductive Management
ANSC 471  ANSC Leaders & Entrepreneurs

**Basic Animal Sciences Courses (choose 3)**  9
ANSC 251  Epidemics and Infectious Diseases
ANSC 306  Equine Science
ANSC 331  Biology of Reproduction
ANSC 350  Cellular Metabolism in Animals
ANSC 363  Behavior of Domestic Animals
ANSC 366  Animal Behavior
ANSC 406  Zoo Animal Conservation Sci
ANSC 409  Meat Science
ANSC 420  Ruminant Nutrition
ANSC 421  Minerals and Vitamins
ANSC 422  Companion Animal Nutrition
ANSC 431  Advanced Reproductive Biology
ANSC 438  Lactation Biology
ANSC 440  Applied Statistical Methods I
ANSC 441  Human Genetics
ANSC 444  Applied Animal Genetics
ANSC 445  Statistical Methods
ANSC 446  Population Genetics
ANSC 447  Advanced Genetics and Genomics
ANSC 448  Math Modeling in Life Sciences
ANSC 449  Biological Modeling
ANSC 450  Comparative Immunobiology
ANSC 451  Microbes and the Anim Indust
ANSC 452  Animal Growth and Development
ANSC 453  Stem Cell Biology
ANSC 467  Applied Animal Ecology
ANSC 509  Muscle Biology
ANSC 510  Science of Animal Well-Being
ANSC 520  Protein and Energy Nutrition
ANSC 521  Regulation of Metabolism
ANSC 522  Advanced Ruminant Nutrition
ANSC 523  Techniques in Animal Nutrition
ANSC 524  Nonruminant Nutrition Concepts
ANSC 525  Topics in Nutrition Research
ANSC 526  Adv Companion Animal Nutrition
ANSC 533  Repro Physiology Lab Methods
ANSC 541  Regression Analysis
ANSC 542  Applied Bioinformatics
ANSC 543  Bioinformatics
ANSC 545  Statistical Genomics
ANSC 554  Immunobiological Methods
ANSC 561  Animal Stress Physiology

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