ANIMAL SCIENCES, MANSC

for the Master of Animal Sciences in Animal Sciences (on campus & online)

department head: Rodney Johnson
graduate program coordinator: Sandra Rodriguez-Zas
department website: https://ansc.illinois.edu
department faculty: https://ansc.illinois.edu/directory/faculty/
overview of grad college admissions & requirements: https://grad.illinois.edu/admissions/apply (https://grad.illinois.edu/admissions/apply/)
college website: https://aces.illinois.edu/
department office: 110 Animal Sciences Laboratory, 1207 West Gregory Drive, Urbana, IL 61801
phone: (217) 333-3131
email: ansc-gradprog@illinois.edu (ansci-gradprog@illinois.edu)

Graduate Degree Programs in Animal Sciences
Graduate Majors:

• Animal Sciences, MANSC (p. 1)
• Animal Sciences, MS (http://catalog.illinois.edu/graduate/aces/animal-sciences-ms/)
• Animal Sciences, PhD (http://catalog.illinois.edu/graduate/aces/animal-sciences-phd/)

Graduate Concentrations:

• Bioinformatics: Animal Sciences, MS (http://catalog.illinois.edu/graduate/aces/concentration/animal-sciences/bioinformatics/)

Research, Teaching, and Extension Areas
The Department of Animal Sciences offers graduate work leading to the Master of Animal Sciences. Fields of specialization include:

• animal breeding, genetics, and bioinformatics
• animal behavior
• nutrition
• systems of animal management & production, precision management
• physiology of lactation and reproduction
• environmental physiology
• meat science & muscle biology
• immunobiology
• microbiology

Beef and dairy cattle, horses, poultry, sheep, swine, and companion and laboratory animals are available for study. Experience in teaching, extension, or outreach is encouraged as part of the academic work.

Admission
Candidates for admission to the MANSC program must have a bachelor’s degree from an accredited institution equivalent to those from the University of Illinois at Urbana-Champaign. A grade point average of 3.0 or higher (A = 4.0) for the last two years of undergraduate work and for any graduate study is required for admission. Graduate Record Examination (GRE) scores are not required for admission. English proficiency requirements for admission follow Graduate College requirements. Application materials include baccalaureate degree transcripts, resume, personal statement, and three letters of recommendation. Admission is possible for fall, spring, and summer semesters.

for the Master of Animal Sciences in Animal Sciences

Information listed in this catalog is current as of 07/2022
For additional details and requirements refer to the department's Graduate Handbook (http://ansci.illinois.edu/grads/degree-requirements/) and the Graduate College Handbook (http://www.grad.illinois.edu/gradhandbook/).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Required courses:</td>
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<tr>
<td>ANSC 590</td>
<td>Animal Sciences Seminar</td>
<td>2</td>
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<tr>
<td>or ANSC 591</td>
<td>Grad Bioinformatics Seminar</td>
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<tr>
<td>ANSC 593</td>
<td>Res Studies in Animal Sciences</td>
<td>8</td>
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<td>Select One Statistics Course:</td>
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<tr>
<td>ANSC 440</td>
<td>Applied Statistical Methods I</td>
<td>2-4</td>
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<tr>
<td>ANSC 445</td>
<td>Statistical Methods</td>
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<tr>
<td>ANSC 448</td>
<td>Math Modeling in Life Sciences</td>
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<td>ANSC 449</td>
<td>Biological Modeling</td>
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<tr>
<td>ANSC 499</td>
<td>Seminar (Section SRZ Intro to Data Analytics)</td>
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<td>Elective Courses: Please consult with advisor</td>
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<tr>
<td>Elective 400- or 500-level ANSC courses (excludes ANSC 590, ANSC 591, ANSC 593)</td>
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<td>Total Minimum Hours</td>
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Other Requirements

Other Requirements and conditions may overlap
Minimum Hours Overall Required Within the Unit: 12
Minimum 500-level Hours Required Overall: 12
Minimum GPA: 3.0