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
department office: 110 Animal Sciences Laboratory, 1207 West Gregory Drive, Urbana, IL 61801
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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
- animal behavior
- biochemistry
- nutrition
- genetics
- physiology of lactation
- environmental physiology
- meat science & muscle biology
- reproduction
- immunobiology
- microbiology

Beef and dairy cattle, horses, poultry, sheep, swine, and a variety of 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. Students are encouraged to submit Graduate Record Examination (GRE) scores prior to admission for fellowship consideration and are required to submit GRE scores by the first semester in the graduate program. English proficiency requirements for admission follow Graduate College requirements. Application materials include baccalaureate degree transcripts, resume, personal statement, Graduate Record Examination (GRE) general test scores, and three letters of recommendation. Admission emphasis is placed on a student's interest and ability in research, teaching, or extension as demonstrated by previous work and letters of recommendation. Admission is possible for fall, spring, and summer semesters.

For additional details and requirements refer to the department's Graduate Handbook (http://ansc.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>ANSC 590</td>
<td>Animal Sciences Seminar ¹</td>
<td>2</td>
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<tr>
<td>or ANSC 591</td>
<td>Grad Bioinformatics Seminar</td>
<td></td>
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<tr>
<td>ANSC 440</td>
<td>Applied Statistical Methods I ¹</td>
<td>2-5</td>
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<tr>
<td>or ANSC 445</td>
<td>Statistical Methods</td>
<td></td>
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<tr>
<td>or ANSC 448</td>
<td>Math Modeling in Life Sciences</td>
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<tr>
<td>or ANSC 449</td>
<td>Biological Modeling</td>
<td></td>
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<td>Elective 400- or 500-level ANSC courses (excludes ANSC 590, ANSC 591, ANSC 593)</td>
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<tr>
<td>ANSC 593</td>
<td>Res Studies in Animal Sciences ³</td>
<td>8</td>
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<tr>
<td>Total Hours</td>
<td></td>
<td>32</td>
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Other Requirements

Requirement

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

¹ Equivalent course requires departmental approval
² In consultation with their Animal Sciences faculty advisor, students will select courses that support the individual research studies project and strengthen career opportunities.
³ The individual research/teaching/outreach project or internship experience and a written report will fulfill the ANSC 593 (Research Studies in Animal Sciences) capstone project requirement. The project or internship and the written product will be supervised by the Animal Sciences faculty mentor and provide evidence that the student can understand and apply the scientific method, interpret scientific information; and effectively communicate scientific information in a field of animal sciences.

Information listed in this catalog is current as of 11/2021