ANIMAL SCIENCES, MANSC

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

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 & 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. Candidates for admission that have a GPA between 2.75 and 2.99 can request special consideration of the application materials submitted. 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, a resume, a personal statement, and three letters of recommendation. Admission is possible for fall (mid-August), spring (mid-January), and summer (mid-June) semesters. Candidates for admission are encouraged to submit the complete application package no later than 2 months before the start of the desired admission semester.

Admission

<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</td>
<td>2</td>
</tr>
<tr>
<td>or ANSC 591</td>
<td>Grad Bioinformatics Seminar</td>
<td>2</td>
</tr>
<tr>
<td>ANSC 593</td>
<td>Res Studies in Animal Sciences</td>
<td>8</td>
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</table>

Total Minimum Hours 32

Other Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
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<tbody>
<tr>
<td>Other Requirements and conditions may overlap</td>
<td></td>
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<tr>
<td>Minimum Hours Overall Required Within the Unit</td>
<td>12</td>
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<tr>
<td>Minimum 500-level Hours Required Overall</td>
<td>12</td>
</tr>
<tr>
<td>Minimum GPA:</td>
<td>3.0</td>
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The recipient of a Master of Animal Sciences in Animal Sciences will demonstrate:

1. Graduate-level understanding of essential concepts and approaches in the area of animal science specialization. The essential concepts will enable the graduate to strengthen the application to a D.V.M., M.Sc., or Ph.D. program, advance throughout the employment ranks, or secure a mid-management position in industry or government agencies.

2. Capacity to execute a supervised independent studies project including a) understanding of the scientific method, research objectives, materials and methods, basic data analysis, and appreciation of the findings; and b) effectively assist on the implementation of essential research activities.

3. Ability to effectively communicate essential disciplinary knowledge and independent studies findings in written format.

4. Aptitude to advocate for interdisciplinary research and education efforts to improve food security, food safety, animal and human health and wellbeing or environmental stewardship.

Graduate Degree Programs in Animal Sciences

Graduate Majors:
Animal Sciences, MANSC

- 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/)

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Animal Sciences
Department Head: Rodney Johnson
Director of Graduate Studies: Sandra Rodriguez Zas
Program Website (https://ansc.illinois.edu/academics/graduate-degrees/)
Department Faculty (https://ansc.illinois.edu/directory/)
110 Animal Sciences Laboratory, 1207 West Gregory Drive, Urbana, IL 61801
(217) 333-3131
Animal Sciences email (ansc-gradprog@illinois.edu)

College of Agricultural, Consumer & Environmental Sciences
College Website (https://aces.illinois.edu/)

Admissions
Grad College Admissions & Requirements (https://grad.illinois.edu/admissions/apply/)

Information listed in this catalog is current as of 05/2024