ANIMAL SCIENCES, PHD

for the Doctor of Philosophy in Animal Sciences

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

college website: https://aces.illinois.edu/
department office: 110 Animal Sciences Laboratory, 1207 West Gregory Drive, Urbana, IL 61801
phone: (217) 333-3131
e-mail: ansci-gradprog@illinois.edu

Graduate Degree Programs in Animal Sciences

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

Graduate Concentrations:
Bioinformatics: Animal Sciences, MS (http://catalog.illinois.edu/graduate/aces/animalsciences/bioinformatics/)

Research Areas

The Department of Animal Sciences offers graduate work leading to the Doctor of Philosophy degrees. Fields of specialization include:

- animal breeding and genetics
- animal behavior
- biochemistry
- environmental physiology
- immunobiology
- meat science and muscle biology
- microbiology
- nutrition
- systems of animal management and production
- physiology of lactation
- physiology of reproduction

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 Ph.D. program must have a bachelor’s degree from an accredited institution equivalent to those from the University of Illinois at Urbana-Champaign. Entering with an approved Master’s degree from an accredited institution is a requirement for some students. 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 as demonstrated by previous work and letters of recommendation. Admission is possible for fall, spring, and summer semesters.

for the Doctor of Philosophy in Animal Sciences

Animal Sciences, PhD

Entering with an approved Master’s Degree

Students must pass preliminary and final examinations administered by committees appointed by the dean of the Graduate College.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-28</td>
<td>Advanced lecture and laboratory courses (400- and 500-level courses; excludes ANSC 590 and ANSC 599)</td>
<td>20-28</td>
</tr>
<tr>
<td>4</td>
<td>Graduate seminar (ANSC 590) enrollment is required every semester (max 4 hours can be applied to the degree)</td>
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<tr>
<td>32-40</td>
<td>ANSC 599 Thesis Research (min/max applied toward degree)</td>
<td>32-40</td>
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<td>64</td>
<td>Total Hours</td>
<td>64</td>
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Other Requirements

Other requirements and conditions may overlap

- Masters Degree Required for Admission to Ph.D?: Masters level requirements must be met
- Qualifying Exam Required?: No
- Preliminary Exam Required?: Yes
- Final Exam/Dissertation Defense Required?: Yes
- Dissertation Deposit Required?: Yes
- Minimum GPA: 3.0

Entering with an approved baccalaureate degree

Students must pass a qualifier examination and preliminary and final examinations administered by committees appointed by the dean of the Graduate College.

Students enrolled in this baccalaureate to Doctor of Philosophy program will not be granted automatically a Masters in Animal Sciences degree. Students enrolled in the baccalaureate to Doctor of Philosophy that wish to receive a Masters degree will be transferred to the Masters in Animal Sciences program and will be expected to fulfill the requirements to secure a Masters degree. Students that secure a Masters in Animal Sciences can be transferred to the Doctor of Philosophy program.

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<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>42-50</td>
<td>Advanced lecture and laboratory courses (400- and 500-level courses; excludes ANSC 590 and ANSC 599)</td>
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<td>Graduate seminar (ANSC 590) enrollment is required every semester (max 4 hours can be applied to the degree)</td>
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Information listed in this catalog is current as of 12/2021
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<tr>
<th>Requirement</th>
<th>Description</th>
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<tbody>
<tr>
<td>Masters Degree Required for Admission to PhD?</td>
<td>No</td>
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<tr>
<td>Qualifying Exam Required</td>
<td>Yes</td>
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1 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/).