

# BIOINFORMATICS: ANIMAL SCIENCES, MS

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*for the Master of Science in Bioinformatics, Animal Sciences Concentration*

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## 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 (<http://catalog.illinois.edu/graduate/aces/animal-sciences-phd/>)

### Graduate Concentrations:

- Bioinformatics: Animal Sciences, MS (p. 1)
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## Research Areas

The Department of Animal Sciences offers graduate studies with a focus on bioinformatics, quantitative and computational biology, leading to the Master of Bioinformatics. Fields of bioinformatics application and specialization include:

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

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 M.Sc. in Bioinformatics 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.

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