

# BIOINFORMATICS, MS

*for the degree of Master of Science in Bioinformatics*

**bioinformatics website:** <https://www.informatics.illinois.edu/bioinformatics-masters/>

**overview of school admissions & requirements: contact the individual departments listed below**

**overview of grad college admissions & requirements:** <https://grad.illinois.edu/admissions/apply> (<https://grad.illinois.edu/admissions/apply/>)

**on-campus contact: contact the individual departments listed below**

Students pursuing this major must choose one of these concentrations:

- Animal Sciences (<http://catalog.illinois.edu/graduate/aces/concentration/animal-sciences/bioinformatics/>)
- Crop Sciences (<http://catalog.illinois.edu/graduate/aces/concentration/crop-sciences/bioinformatics/>)
- Chemical & Biomolecular Engineering (<http://catalog.illinois.edu/graduate/las/concentration/chemical-biomolecular-engineering/bioinformatics/>)- not currently accepting applications
- Computer Science (<http://catalog.illinois.edu/graduate/engineering/concentration/computer-science/bioinformatics/>)
- Bioengineering (<http://catalog.illinois.edu/graduate/engineering/concentration/bioengineering/bioinformatics/>)- not currently accepting applications
- Information Sciences (<http://catalog.illinois.edu/graduate/is/information-science-ms/bioinformatics/>)

The MS degree can be taken in a thesis or non-thesis format, depending on the department. For either format, the research adviser must be affiliated with the Bioinformatics program.

## Programs in Informatics

### Undergraduate Minor

Informatics Minor (<http://catalog.illinois.edu/undergraduate/illinois-informatics-institute/minors/informatics/>)

### Graduate Majors

Bioinformatics, MS ([http://catalog.illinois.edu/graduate/provost/ms\\_bioinfo/](http://catalog.illinois.edu/graduate/provost/ms_bioinfo/))

- Animal Sciences Concentration (<http://catalog.illinois.edu/graduate/aces/concentration/animal-sciences/bioinformatics/>)
- Bioengineering Concentration (<http://catalog.illinois.edu/graduate/engineering/concentration/bioengineering/bioinformatics/>)
- Chemical & Biomolecular Engineering Concentration (<http://catalog.illinois.edu/graduate/las/concentration/chemical-biomolecular-engineering/bioinformatics/>)
- Computer Science Concentration ([http://catalog.illinois.edu/graduate/engineering/ms-bioinfo\\_cs/](http://catalog.illinois.edu/graduate/engineering/ms-bioinfo_cs/))
- Crop Sciences Concentration (<http://catalog.illinois.edu/graduate/aces/concentration/crop-sciences/bioinformatics/>)
- Information Sciences Concentration ([http://catalog.illinois.edu/graduate/ischool/ms\\_bioinfo\\_lis/](http://catalog.illinois.edu/graduate/ischool/ms_bioinfo_lis/))

Informatics, PhD ([http://catalog.illinois.edu/graduate/provost/phd\\_informatics/](http://catalog.illinois.edu/graduate/provost/phd_informatics/))

## Admission

Applicants must hold a bachelor's degree equivalent to that granted by the University of Illinois at Urbana-Champaign. The recommended background for graduate students entering the Bioinformatics degree program is a bachelor's or master's degree in life sciences, computer and mathematical sciences, or engineering, with a minimum of five hours of molecular and cell biology, six hours of general chemistry, nineteen hours of mathematics and statistics, and three hours of introduction to computing. Prerequisites vary somewhat for the different departmental concentrations. Students should view the web page of the specific department they wish to apply to for detailed information about admission criteria and degree requirements. Those links are below:

- Department of Animal Sciences (<http://www.ansci.illinois.edu>)
- Department of Bioengineering (<http://bioengineering.illinois.edu/>) - Not currently accepting applications
- Department of Chemical and Biomolecular Engineering (<http://chbe.illinois.edu>) - Not currently accepting applications
- Department of Computer Science (<http://cs.illinois.edu>)
- Department of Crop Sciences (<http://www.cropsci.illinois.edu>)
- School of Information Sciences (<http://ischool.illinois.edu>)

## Financial Aid

Fellowships, research assistantships, and teaching assistantships (all of which include tuition and partial fee waivers) are awarded on a competitive basis by the admitting department. All applicants, regardless of U.S. citizenship, whose native language is not English and who wish to be considered for teaching assistantships (the most common form of financial aid for new graduate students in the department) must submit a score of at least 50 on the Test of Spoken English (TSE) (<http://www.grad.illinois.edu/admissions/taengprof.htm>).