BIOINFORMATICS: CROP SCIENCES, MS

for the Master of Science in Bioinformatics, Crop Sciences Concentration

Graduate Degree Programs in Crop Sciences

- Crop Sciences, MS (http://catalog.illinois.edu/graduate/aces/crop-sciences-ms/) (on campus & online)
- Bioinformatics: Crop Sciences, MS (p. 1)
- Crop Sciences, PhD (http://catalog.illinois.edu/graduate/aces/crop-sciences-phd/)

The genomic and proteomic projects are generating large amounts of complex biological data that require effective storage, retrieval, analysis and interpretation. The bioinformatics degree program provides students with the skills necessary to augment the understanding and use of agricultural, biological and medical information and resources through the application of molecular, chemical, physical, computational, statistical, mathematical and informatic techniques. Students interested in this program may come with undergraduate training in one of the following areas:

1. biological and agricultural sciences,
2. statistical, mathematical and computer sciences,
3. informatics and engineering sciences.

Graduates from the bioinformatics program will be able to integrate basic and applied concepts in the three areas and apply them to biotechnology and medical research. For additional information, please see our website at https://cropsciences.illinois.edu/graduate/.

Admission

Applicants are considered for admission to the Master of Science program if they have a bachelor’s or equivalent degree comparable to that granted by the University of Illinois. Strong letters of reference, evident motivation to undertake graduate study, and good preparation in basic science courses enhance an applicant’s credentials. For some programs, greater emphasis is given to previous training in plant sciences, chemistry, or mathematics. A grade point average equivalent to at least a B in the last 60 semester hours of undergraduate course work plus any graduate level work completed is required. All applicants whose native language is not English are required to submit the results of the TOEFL or IELTS as evidence of English proficiency. Official scores are required to be submitted directly from TOEFL/ETS or IELTS to the University. Additional information for international applicants can be found at: https://grad.illinois.edu/admissions/apply/begin/international. Please see our web page for additional information: https://cropsciences.illinois.edu/graduate/admissions/.

Graduate Teaching Experience

Experience in teaching is considered an important part of the graduate experience in this program.

Faculty Research Interests

Please refer to the following webpage for a detailed listing of our faculty and their areas of interest https://cropsciences.illinois.edu/people/faculty/.

Financial Aid

Fellowships and assistantships are available to outstanding students on a competitive basis. Awards for financial assistance are based principally on a candidate’s academic record, statement of plans, and letters of reference.

Information listed in this catalog is current as of 08/2022