MASTER OF SCIENCE IN BIOINFORMATICS, LIBRARY AND INFORMATION SCIENCE CONCENTRATION

A typical student will thus take 6 required courses (24 hours) 1 Biology, 1 Computer Science, 1 Fundamental Bioinformatics, and 3 Information Sciences. The student must then choose 3 courses (12 hours) of electives to complete the degree. It is strongly encouraged that up to 2 courses of these electives (8 hours) are thesis. Our expectation is that each student will arrange a custom program of study, suitable for the information management of their particular biological informatics application. Currently, this program requires students to be in residence in Champaign-Urbana.

Thesis Option

One course in three of the following areas from the department approved list: Information Organization and Knowledge Representation; Information Resources, Uses and Users; Information Systems; and Disciplinary Focus

CS 411 Database Systems 3-4

Select one of the following: 4

CHBE 571 Bioinformatics
ANSC 542 Applied Bioinformatics
IB 467 Principles of Systematics

One course from the approved biology list (http://www.informatics.illinois.edu/academics/bioinformatics-ms/bioinformatics-ms-core-courses) 4

Total Hours 36

Other Requirements ¹

Other Requirements may overlap

A concentration is required.

Minimum 500-level Hours Required 12
Overall:
Minimum GPA: 3.0

¹ For additional details and requirements refer to the unit’s Graduate Programs of Study (http://www.lis.illinois.edu/programs) and the Graduate College Handbook (http://www.grad.illinois.edu/gradhandbook).

Non-Thesis Option

One course in three of the following areas from the department approved list: Information Organization and Knowledge Representation; Information Resources, Uses and Users; Information Systems; and Disciplinary Focus

CS 411 Database Systems 3-4

Select one of the following: 4

CHBE 571 Bioinformatics
ANSC 542 Applied Bioinformatics
IB 467 Principles of Systematics

One course from the approved biology list (http://www.informatics.illinois.edu/academics/bioinformatics-ms/bioinformatics-ms-core-courses) 4

Total Hours 36

Other Requirements ¹

Other Requirements may overlap

A concentration is required.

Minimum 500-level Hours Required 12
Overall:
Minimum GPA: 3.0

¹ For additional details and requirements refer to the unit’s Graduate Programs of Study (http://www.lis.illinois.edu/programs) and the Graduate College Handbook (http://www.grad.illinois.edu/gradhandbook).