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
- 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
- IS 599 Thesis Research 8

**Total Hours** 36

**Other Requirements**

- Other Requirements may overlap
- A concentration is required.
- Minimum 500-level Hours Required 12
- Minimum GPA: 3.0

**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
- 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**

- Other Requirements may overlap
- A concentration is required.
- Minimum 500-level Hours Required 12
- Minimum GPA: 3.0

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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).

Information listed in this catalog is current as of 09/2017