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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 411</td>
<td>Database Systems</td>
<td>3-4</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHBE 571</td>
<td>Bioinformatics</td>
<td></td>
</tr>
<tr>
<td>ANSC 542</td>
<td>Applied Bioinformatics</td>
<td></td>
</tr>
<tr>
<td>IB 467</td>
<td>Principles of Systematics</td>
<td></td>
</tr>
<tr>
<td>One course from the approved biology list (<a href="http://www.informatics.illinois.edu/academics/bioinformatics-ms/bioinformatics-ms-core-courses">http://www.informatics.illinois.edu/academics/bioinformatics-ms/bioinformatics-ms-core-courses</a>)</td>
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<td></td>
</tr>
<tr>
<td>IS 599</td>
<td>Thesis Research</td>
<td>8</td>
</tr>
<tr>
<td>Total Hours</td>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>

### Other Requirements

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

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<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
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<td>CS 411</td>
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<tr>
<td>Select one of the following:</td>
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<td>CHBE 571</td>
<td>Bioinformatics</td>
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