### Master of Science in Bioinformatics, Chemical and Biomolecular Engineering Concentration

#### Thesis Option

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

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 411</td>
<td>Database Systems</td>
<td>4</td>
</tr>
<tr>
<td>or CS 473</td>
<td>Fundamental Algorithms</td>
<td>4</td>
</tr>
<tr>
<td>CHBE 572 &amp; CHBE 580</td>
<td>Metabolic Systems Engineering and Lab Techs in Bioinformatics</td>
<td>6</td>
</tr>
<tr>
<td>CHBE 599</td>
<td>Thesis Research (min/max applied toward degree)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Hours**: 32

#### Other Requirements

Other requirements may overlap

A concentration is required.

Minimum 500-level Hours Required  
12

**Overall**: 

Minimum GPA:  
2.75

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#### Non-Thesis Option

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

One course in Biology from approved list (http://www.informatics.illinois.edu/academics/bioinformatics-ms/bioinformatics-ms-core-courses)  
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**Total Hours**: 36

#### Other Requirements

Other requirements may overlap

A concentration is required.

Minimum 500-level Hours Required  
12

**Overall**: 

Minimum GPA:  
2.75

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1 For additional details and requirements refer to the department’s degree programs information (http://chbe.illinois.edu/graduate-program) and the Graduate College Handbook (http://www.grad.illinois.edu/gradhandbook).