# MASTER OF SCIENCE IN BIOINFORMATICS, CHEMICAL AND BIOMOLECULAR ENGINEERING CONCENTRATION

## Thesis Option

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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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- One course in Bioinformatics from approved list ([http://www.informatics.illinois.edu/academics/bioinformatics-ms/bioinformatics-ms-core-courses](http://www.informatics.illinois.edu/academics/bioinformatics-ms/bioinformatics-ms-core-courses))
- One course in Biology from approved list ([http://www.informatics.illinois.edu/academics/bioinformatics-ms/bioinformatics-ms-core-courses](http://www.informatics.illinois.edu/academics/bioinformatics-ms/bioinformatics-ms-core-courses))
- CS 411 Database Systems 4
- or CS 473 Fundamental Algorithms
- CHBE 572 Metabolic Systems Engineering 6
- & CHBE 580 LabTechs in Bioinformatics
- CHBE 599 Thesis Research (min/max applied toward degree) 4

Total Hours 32

## Other Requirements

- Other requirements may overlap
- A concentration is required.
- Minimum 500-level Hours Required 12

Minimum GPA: 2.75

## Non-Thesis Option

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- One course in Bioinformatics from approved list ([http://www.informatics.illinois.edu/academics/bioinformatics-ms/bioinformatics-ms-core-courses](http://www.informatics.illinois.edu/academics/bioinformatics-ms/bioinformatics-ms-core-courses))
- One course in Biology from approved list ([http://www.informatics.illinois.edu/academics/bioinformatics-ms/bioinformatics-ms-core-courses](http://www.informatics.illinois.edu/academics/bioinformatics-ms/bioinformatics-ms-core-courses))
- CS 411 Database Systems 4
- or CS 473 Fundamental Algorithms
- CHBE 572 Metabolic Systems Engineering 6
- & CHBE 580 LabTechs in Bioinformatics

Total Hours 36

## Other Requirements

- Other requirements may overlap
- A concentration is required.
- Minimum 500-level Hours Required 12

Minimum GPA: 2.75

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