## Thesis Option

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOE 599</td>
<td>Thesis Research (min applied toward degree)</td>
<td>4</td>
</tr>
<tr>
<td>BIOE 504</td>
<td>Analytical Methods in Bioeng or BIOE 505 Computational Bioengineering</td>
<td>4</td>
</tr>
</tbody>
</table>

One course from the approved Bioinformatics list of Computer Sciences core courses.

One course from the approved Bioinformatics list of Biology core courses.

One course from the approved Bioinformatics list of Bioinformatics core courses.

One course in systems biology from departmental list.

Elective Courses

Total Hours: 32

### Other Requirements and Conditions

- A concentration is required.
- A minimum of 12 500-level credit hours overall applied toward the degree, with 8 hours being Bioengineering courses; a maximum of 2 hours of seminar courses can be counted towards these 12 hours.
- The non-thesis option is only available with permission of the advisor. Requirements include an additional 8 hours of elective courses which, with the approval of an advisor, may include supervised research experiences including internships and projects.

Minimum GPA: 3.0

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## Non-Thesis Option

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOE 504</td>
<td>Analytical Methods in Bioeng or BIOE 505 Computational Bioengineering</td>
<td>4</td>
</tr>
</tbody>
</table>

One course from the approved Bioinformatics list of Biology core courses.

One course from the approved Bioinformatics list of Bioinformatics core courses.

One course in systems biology from departmental list.

Elective Courses

Total Hours: 36

### Other Requirements and Conditions

- A concentration is required.
- A minimum of 12 500-level credit hours overall applied toward the degree, with 8 hours being Bioengineering courses; a maximum of 2 hours of seminar courses can be counted towards these 12 hours.
- The non-thesis option is only available with permission of the advisor. Requirements include an additional 8 hours of elective courses which, with the approval of an advisor, may include supervised research experiences including internships and projects.

Minimum GPA: 3.0

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1 For additional details and requirements for all degrees, please refer to the department’s Graduate Studies Web site and the Graduate College Handbook.