### Thesis Option

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABE 599</td>
<td>Thesis Research</td>
<td>8</td>
</tr>
<tr>
<td>ABE 594</td>
<td>Graduate Seminar (Registration of 0 hours required every term while in residence)</td>
<td>0</td>
</tr>
</tbody>
</table>

One MATH course beyond differential equations from an approved list [http://abe.illinois.edu/graduate-students/abe-graduate-student-course-requirements](http://abe.illinois.edu/graduate-students/abe-graduate-student-course-requirements)

One course in statistical design and analysis from an approved list [http://abe.illinois.edu/graduate-students/abe-graduate-student-course-requirements](http://abe.illinois.edu/graduate-students/abe-graduate-student-course-requirements)

One course in instrumentation and measurement from an approved list [http://abe.illinois.edu/graduate-students/abe-graduate-student-course-requirements](http://abe.illinois.edu/graduate-students/abe-graduate-student-course-requirements)

One 500-level course (taken for at least 3 credit hours) in an area of specialization – chosen in consultation with advisor

Elective courses – chosen in consultation with advisor (subject to Other Requirements and Conditions below)

Total Hours: 33

### Other Requirements and Conditions

Other Requirements and Conditions may overlap:

- A maximum of 4 hours of ABE 597 (or other independent study) may be applied toward the elective course work requirement.
- A minimum of 12 500-level credit hours applied toward the degree.

Minimum GPA: 3.0

1 For additional details and requirements refer to the department's Graduate Handbook [http://abe.illinois.edu/graduate/handbook](http://abe.illinois.edu/graduate/handbook) and the Graduate College Handbook [http://grad.illinois.edu/gradhandbook](http://grad.illinois.edu/gradhandbook)

### Non-Thesis Option

<table>
<thead>
<tr>
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<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ABE 594</td>
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</tbody>
</table>

One MATH course beyond differential equations from an approved list [http://abe.illinois.edu/graduate-students/abe-graduate-student-course-requirements](http://abe.illinois.edu/graduate-students/abe-graduate-student-course-requirements)

One course in statistical design and analysis from an approved list [http://abe.illinois.edu/graduate-students/abe-graduate-student-course-requirements](http://abe.illinois.edu/graduate-students/abe-graduate-student-course-requirements)

One course in instrumentation and measurement from an approved list [http://abe.illinois.edu/graduate-students/abe-graduate-student-course-requirements](http://abe.illinois.edu/graduate-students/abe-graduate-student-course-requirements)

One 500-level course (taken for at least 3 credit hours) in an area of specialization – chosen in consultation with advisor

Elective courses – chosen in consultation with advisor (subject to Other Requirements and Conditions below)

Total Hours: 36

### Other Requirements and Conditions

Other Requirements and Conditions may overlap:

- A maximum of 4 hours of ABE 597 (or other independent study) may be applied toward the elective course work requirement.
- A minimum of 12 500-level credit hours applied toward the degree.
- The non-thesis option is only allowed with departmental approval at or before initiation of graduate study, and a final report is required.

Minimum GPA: 3.0

1 For additional details and requirements refer to the department's Graduate Handbook [http://abe.illinois.edu/graduate/handbook](http://abe.illinois.edu/graduate/handbook) and the Graduate College Handbook [http://grad.illinois.edu/gradhandbook](http://grad.illinois.edu/gradhandbook)