# BIOCHEMISTRY AND MOLECULAR BIOLOGY, MS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about Graduate College Academic Regulation 7.0 (http://catalog.okstate.edu/graduate-college).

## Thesis Option

**Total Hours:** 30 Hours

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td></td>
<td><strong>Coursework</strong></td>
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<tr>
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<td>BIOC 5121</td>
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<tr>
<td>BIOC 5753</td>
<td>Metabolism</td>
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<tr>
<td>BIOC 5853</td>
<td>Advanced Biochemical Techniques</td>
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<tr>
<td>BIOC 6110</td>
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<tr>
<td></td>
<td>Plus 2 Advanced (BIOC 6000-level courses)</td>
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</tr>
<tr>
<td>BIOC 6723</td>
<td>Signal Transduction</td>
<td></td>
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<tr>
<td>BIOC 6733</td>
<td>Functional Genomics</td>
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<tr>
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<tr>
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<td>BIOC 6763</td>
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<tr>
<td>BIOC 6773</td>
<td>Protein Structure and Enzyme Function</td>
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<tr>
<td>BIOC 6783</td>
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<tr>
<td>BIOC 5102</td>
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<tr>
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<td><strong>Other 6000-level BIOC courses</strong></td>
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<td>The student's Graduate Committee must approve the written thesis and an oral exam on the context of the thesis must be passed.</td>
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**Hours Subtotal** 24

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**Total Hours** 30

## Non-Thesis Option

**Total Hours:** 32 Hours

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**Hours Subtotal** 30

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<tr>
<td>BIOC 5000</td>
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**Total Hours** 32

### General Graduate College Requirements

- A minimum Grade-Point-Average of 3.00 is required
- A minimum Grade of "C" is required in all degree applicable courses
- No courses utilizing the Pass-No Pass grading system are permitted
- GRAD 5082 or GRAD 5092 may not be used to meet degree requirements

### Additional Graduate College Masters Degree Requirements

Plan I (coursework with thesis)
• A minimum of 30 credit hours
  • A minimum of 24 coursework credit hours comprised of:
    • 6 research or creative component credit hours
    • 21 in-residence credit hours (maximum of 9 transfer hours with "B" or better)
      • 21 credit hours at 5000- or 6000-level

Plan II (coursework without thesis)

• A minimum of 32 credit hours
  • A maximum of 3 credit hours of research or creative component
  • A minimum of 23 in-residence credit hours (maximum of 9 transfer credit hours with "B" or better)
  • A minimum of 21 credit hours at the 5000- or 6000-level