BIOCHEMISTRY AND MOLECULAR BIOLOGY, PHD

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).

Total Hours: 60 Hours (Beyond the Master's Degree)

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<td>Combined 45 hours of required core courses and electives to total</td>
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<tr>
<td>BIOC 5002</td>
<td>Research Compliance and Biochemistry Graduate Colloquium</td>
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<tr>
<td>BIOC 5112</td>
<td>Articulation of Research Logic</td>
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<td>BIOC 5121</td>
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Other Core Courses Listed Below as Required by the Student's Advisor and Graduate Thesis Advisory Committee:

- BIOC 5753 Biochemical Principles
- BIOC 5853 Metabolism
- BIOC 5930 Advanced Biochemical Techniques (10 credits maximum)
- BIOC 6110 Seminar
- BIOC 6740 (Offered for variable credit, 1-2 credit hours, maximum of 2 credit hours.)
- Plus 4 advanced (BIOC 6000-level courses)

Total Hours Subtotal: 34

Electives

Select 41 hours of the following:

- BIOC 4723 Introduction to Bioinformatics
- BIOC 5102 Molecular Genetics
- BIOC 5824 Biochemical Laboratory Methods
- BIOC 6820 Selected Topics in Biochemistry

Other Graduate-Level Courses Approved by the Graduate Committee

Total Hours Required: 41

Required Research

BIOC 6000 (Offered for variable credit, 1-9 credit hours, maximum of 30 credit hours.)

Total Hours Subtotal: 15

Total Hours: 60

1 Course to be taken 1 time each year prior to year of graduation.

Other Biochemistry and Molecular Biology, PhD, Requirements

- Pass PhD Preliminary Examination.
- Pass PhD Candidacy Examination: Present and pass the defense of a written research proposal.
- The student’s Graduate Committee must approve the written thesis, and an oral defense on the content of the thesis must be passed.

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