BIOCHEMISTRY AND MOLECULAR BIOLOGY, MS

Requirements for Students Matriculating in or before Academic Year 2020-2021. Learn more about Graduate College Academic Regulation 7.0 (http://catalog.okstate.edu/graduate-college/#70).

Thesis Option

Total Hours: 30 Hours

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<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<td></td>
<td>Combination of core courses and other requirements to equal 24 hours.</td>
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Required Core Courses

- BIOC 5002 Research Compliance and Biochemistry Graduate Colloquium
- BIOC 5112 Articulation of Research Logic
- BIOC 5120 Biochemistry and Molecular Biology Graduate Research Colloquium
- BIOC 5753 Biochemical Principles
- BIOC 5853 Metabolism
- BIOC 5930 Advanced Biochemical Techniques
- BIOC 6110 Seminar
- Plus 2 Advanced (Biochemistry 6000-level courses)
  - BIOC 6723 Signal Transduction
  - BIOC 6733 Functional Genomics
  - BIOC 6740 Physical Biochemistry
  - BIOC 6753 Epigenetics
  - BIOC 6763 Nucleic Acids and Protein Synthesis
  - BIOC 6773 Protein Structure and Enzyme Function
  - BIOC 6783 Biomembranes and Bioenergetics
  - BIOC 6793 Plant Biochemistry
- BIOC 6820 Selected Topics in Biochemistry

Electives

- BIOC 5723 Introduction to Bioinformatics
- BIOC 5102 Molecular Genetics
- BIOC 5824 Biochemical Laboratory Methods
- BIOC 5930 Advanced Biochemical Techniques
- BIOC 6820 Selected Topics in Biochemistry

Other 6000-level BIOC courses (Graduate-level courses approved by the Graduate Coordinator)

Other Requirements

The student's Graduate Committee must approve the written and oral reports and an oral exam must be passed.

Total Hours: 30

Non-Thesis Option

Total Hours: 32 Hours

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<td>Combination of core courses and other requirements to equal 30 hours.</td>
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</table>

Core courses

- BIOC 5002 Research Compliance and Biochemistry Graduate Colloquium
- BIOC 5112 Articulation of Research Logic
- BIOC 5753 Biochemical Principles
- BIOC 5853 Metabolism
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  - BIOC 6793 Plant Biochemistry
  - BIOC 6820 Selected Topics in Biochemistry

Electives

- BIOC 5723 Introduction to Bioinformatics
- BIOC 5102 Molecular Genetics
- BIOC 5824 Biochemical Laboratory Methods

Other 6000-level BIOC courses (Graduate-level courses approved by the Graduate Coordinator)

Other Requirements

The student's Graduate Committee must approve the written and oral reports and an oral exam must be passed.

Total Hours: 30

Required Research

- BIOC 5000 Research

Total Hours: 2

Graduate College Master's Program Requirements

Learn more about Graduate College 2020-2021 Master's Degree Program Requirements (http://catalog.okstate.edu/graduate-college/). Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.