# BIOMEDICAL SCIENCES, PHD

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

**Total Hours:** 60 Hours

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIOM 6000</td>
<td>(Offered for variable credit, 1-15 credit hours, maximum of 45 credit hours)</td>
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<tr>
<td>BIOM 6662</td>
<td>Research Ethics and Survival Skills for the Biomedical Sciences</td>
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<td>BIOM 6922</td>
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**Hours Subtotal:** 34

**Optional Electives**

Select 26 hours from the following:

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<tr>
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<td>BIOM 5010</td>
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<td>Biomedical Sciences Seminar</td>
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<td>BIOM 5621</td>
<td>Introduction to Translational Research</td>
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<td>Disease Research in Medicine</td>
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<td>Cornerstones of Vertebrate Paleontology</td>
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<td>BIOM 5653</td>
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<td>BIOM 5663</td>
<td>Graduate Pharmacology</td>
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<td>BIOM 5672</td>
<td>Scientific Outreach Training for Graduate Students</td>
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<tr>
<td>BIOM 5683</td>
<td>Chronic Inflammation and Cancer Development</td>
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<td>BIOM 5693</td>
<td>Principle Concepts of Cellular and Molecular Immunology</td>
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<td>BIOM 5703</td>
<td>Applied Multivariate and Evolutionary Analysis of Paleontological Data</td>
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<td>BIOM 6175</td>
<td>Molecular And Cellular Biology</td>
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<td>BIOM 6193</td>
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<td>BIOM 6263</td>
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<td>BIOM 6723</td>
<td>Field Techniques in Vertebrate Paleontology</td>
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<td>BIOM 6733</td>
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<td>BIOM 6743</td>
<td>Foundations in Medical Genetics, Molecular Biology and Development</td>
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<td>Structure and Function of the Human Gastrointestinal/Hepatic System</td>
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<td>Biomedical Perspectives on Human Hematology</td>
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<td>BIOM 6840</td>
<td>Structure and Function of the Human Musculoskeletal System</td>
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<td>Structure and Function of the Human Renal System</td>
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<td>BIOM 6860</td>
<td>Structure and Function of the Human Reproductive Systems and Reproductive Biology</td>
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<td>BIOM 6870</td>
<td>Structure and Function of the Human Respiratory System</td>
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<td>BIOM 6880</td>
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<td>Structure and Function of the Human Nervous System</td>
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<td>BIOM 6943</td>
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<td>BIOM 6952</td>
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<td>BIOM 6962</td>
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**Hours Subtotal** 26

**Other Requirements**
- Research Proposal
- Qualifying Exam
- Dissertation Defense

**Total Hours** 60

**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 Doctor of Philosophy (PhD.) Requirements**
- 90 credits beyond the Bachelor’s degree, 60 credits beyond the Master’s degree are required
- At least seventy-five percent of coursework on the Plan of Study must include 5000 and 6000 level courses
- A minimum of 15 hours at the 6000 level with a grade of SR for the doctoral dissertation must be complete. The maximum number of dissertation hours (6000 with a grade of SR) permissible on a Plan of Study must not exceed three-fourths of the total credit hours in the approved graduate degree program
- Credit for all courses on a graduate Plan of Study must have been awarded within 10 years of completion of all degree requirements
- A minimum of 30 in-residence credit hours are required
- Non-Course requirements:
  - Doctoral Candidacy
  - Dissertation Defense
  - Dissertation Submission/Approval