PHYSICS, 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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PHYS 5113</td>
<td>Statistical Thermodynamics and Kinetic Theory</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 5213</td>
<td>Statistical Mechanics</td>
<td>3</td>
</tr>
<tr>
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<td>Electromagnetic Theory</td>
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<tr>
<td>PHYS 5453</td>
<td>Methods of Theoretical Physics</td>
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</tr>
<tr>
<td>PHYS 6313</td>
<td>Quantum Mechanics II</td>
<td>3</td>
</tr>
</tbody>
</table>

Hours Subtotal: 21

Electives

Select a minimum of 9 hours of PHYS 5000- or 6000-level courses:

Hours Subtotal: 9

Research

PHYS 6000 (Offered for variable credit, 1-15 credit hours, maximum of 60 credit hours.)

Hours Subtotal: 30

Total Hours: 60

1 Combined elective and research hours should total 39 hours.

Total Hours: 72 Hours (Beyond the Bachelor’s Degree)

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Hours Subtotal: 21

Electives

Select a minimum of 9 hours of PHYS 5000- or 6000-level courses:

Hours Subtotal: 9

Research

PHYS 6000 (Offered for variable credit, 1-15 credit hours, maximum of 60 credit hours.)

Hours Subtotal: 42

Total Hours: 72

2 Combined elective and research hours should total 51 hours.

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