# CHEMISTRY, 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/](http://catalog.okstate.edu/graduate-college/)).

**Total Hours:** 90 Hours

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 5001</td>
<td>Introduction to Chemistry Research</td>
<td>1</td>
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<tr>
<td>CHEM 5000</td>
<td>Thesis</td>
<td>6</td>
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<tr>
<td>CHEM 5011</td>
<td>Graduate Seminar</td>
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<td>CHEM 6010</td>
<td>Research Seminar</td>
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<tr>
<td>CHEM 6011</td>
<td>Advanced Seminar</td>
<td>1</td>
</tr>
</tbody>
</table>

**Hours Subtotal** 16

## Electives

Select 20 hours from the following:

- CHEM 5053 Foundations of Physical Chemistry
- CHEM 5063 Foundations of Organic Chemistry
- CHEM 5073 Foundations of Analytical Chemistry
- CHEM 5263 Foundations of Inorganic Chemistry
- CHEM 5103 Physical and Chemical Separations
- CHEM 5223 Polymer Chemistry
- CHEM 5373 Spectrometric Identification of Organic Compounds
- CHEM 5443 Mechanism and Structure in Organic Chemistry
- CHEM 5563 Chemical Thermodynamics I
- CHEM 5963 Advanced Inorganic Chemistry
- CHEM 6103 Electroanalytical Chemistry
- CHEM 6223 Physical Polymer Science
- CHEM 6420 Special Topics in Organic Chemistry
- CHEM 6650 Selected Topics in Advanced Physical and Inorganic Chemistry

**Hours Subtotal** 20

## Dissertation

- CHEM 6000 Doctoral Dissertation Research 54

**Hours Subtotal** 54

**Total Hours** 90

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## Graduate College Doctor of Philosophy (PhD) Requirements

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