# Biochemistry (PhD)

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Core Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCH 701</td>
<td>Macromolecular Structure (First semester - Fall)</td>
<td>30</td>
<td>30</td>
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<tr>
<td>BCH 703</td>
<td>Macromolecular Synthesis and Regulation (Second Semester - Spring)</td>
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<tr>
<td>BCH 705</td>
<td>Molecular Biology Of the Cell (Third Semester - Fall)</td>
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<tr>
<td>BCH 801</td>
<td>Seminar In Biochemistry</td>
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<tr>
<td>BCH 870</td>
<td>Laboratory Rotations (First semester - Fall)</td>
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<td>BCH 810</td>
<td>Special Topics (First semester - Fall)</td>
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<tr>
<td>BCH 815</td>
<td>Advanced Special Topics (Second Semester - Spring)</td>
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<tr>
<td>BCH 895</td>
<td>Doctoral Dissertation Research</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>Biochemistry / Related Course</strong></td>
<td>3</td>
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<tr>
<td></td>
<td>Select 1 advanced course in biochemistry or related approved in conjunction with the academic committee</td>
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<tr>
<td></td>
<td><strong>Additional Courses</strong></td>
<td>39</td>
<td></td>
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<td></td>
<td>&quot;Additional Courses&quot; are approved in conjunction with the academic committee to meet 72 total hours</td>
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<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td>72</td>
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</tbody>
</table>

1. Every semester for 4 years, 8 credit hours total; 1/semester
2. First semester in program - except for targeted students
3. Add to reach 72 credit hours

## Additional Requirements

- Successful completion of the Ph.D. degree requires a minimum of 72 credit hours.
- At least 18 credit hours of formal coursework must be included in the program.

## Faculty

- Joe Barycki
- Dennis Brown
- Linda Kay Hanley-Bowdoin
- Eric S. Miller
- Melanie Simpson
- Colleen Jennifer Doherty
- Michael B. Goshe
- Charles C. Hardin
- Thomas Makris
- Flora Meilleur
- Robert B. Rose
- Joshua J. Strable
- Guozhou Xu
- Ruben Rellan Alvarez
- Abdulkerim Eroglu
- Arion Kennedy
- Xiaojing Liu
- Ryan Charles Sartor
- Joshua Strable
- Jose Trinidad Ascencio-Ibanez
- Raquel Hernandez
- David G. Presutti
- Paul Douglas Swartz
- Cynthia L. Hemenway
- Horace R. Horton
- Joseph Stephan Kahn
- James Arthur Knopp
- Earl S. Maxwell
- William Laubach Miller
- James W. Moyer
- Ron Ross Sederoff
- Harold E. Swaisgood
- Elizabeth C. Theil
- Paul L. Wollenzien
Jason Locasale
Michael Milburn
Whitney Stutts
Peter Thompson