## 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></td>
</tr>
<tr>
<td>BCH 703</td>
<td>Macromolecular Synthesis and Regulation (Second Semester - Spring)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCH 705</td>
<td>Molecular Biology Of the Cell (Third Semester - Fall)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCH 801</td>
<td>Seminar In Biochemistry</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BCH 870</td>
<td>Laboratory Rotations (First semester - Fall)</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>BCH 810</td>
<td>Special Topics (First semester - Fall)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCH 815</td>
<td>Advanced Special Topics (Second Semester - Spring)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCH 895</td>
<td>Doctoral Dissertation Research</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Biochemistry / Related Course</strong></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 1 advanced course in biochemistry or related approved in conjunction with the academic committee</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Additional Courses</strong></td>
<td>39</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;Additional Courses&quot; are approved in conjunction with the academic committee to meet 72 total hours</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours**: 72

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

**Full Professors**

- Joe Barycki
- Dennis Brown
- Linda Kay Hanley-Bowdoin
- Eric S. Miller
- Melanie Simpson

**Associate Professors**

- Colleen Jennifer Doherty
- Michael B. Goshe
- Charles C. Hardin
- Thomas Makris
- Flora Meilleur
- Robert B. Rose
- Joshua J. Strable
- Guozhou Xu

**Assistant Professors**

- Abdulkerim Eroglu
- Arion Kennedy
- Xiaojing Liu
- Joshua Strable
- Rubén Rellán Álvarez

**Practice/Research/Teaching Professors**

- Jose Trinidad Ascencio-Ibanez
- Raquel Hernandez
- David G. Presutti
- Paul Douglas Swartz

**Emeritus Faculty**

- Cynthia L. Hemenway
- Horace R. Horton
- Joseph Stephan Kahn
- James Arthur Knopp
- Earl S. Maxwell
Biochemistry (PhD)

William Laubach Miller
James W. Moyer
Ron Ross Sederoff
Harold E. Swaisgood
Elizabeth C. Theil
Paul L. Wollenzien

Adjunct Faculty
Jason Locasale
Michael Milburn
Whitney Stutts
Peter Thompson