Students enrolled in a UW–Madison doctoral program can pursue a doctoral minor in biophysics. The doctoral minor offers substantial training in biophysics. A doctoral minor in biophysics can serve as supplement to training in a broad range of disciplines in which physics, physical chemistry, biology, and medicine intersect. The biophysics minor will give students a rigorous understanding of quantitative approaches to physical and chemical problems in the life sciences. Course offerings that provide pedagogical instruction to biophysics students serve as the basis for the biophysics minor.

### REQUIREMENTS

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM/BIOCHEM 665</td>
<td>Biophysical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 668</td>
<td>Biophysical Spectroscopy</td>
<td>2-3</td>
</tr>
<tr>
<td><strong>Elective Course</strong></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Students choose one or more of the following or any course used to satisfy elective requirements for the Biophysics Ph.D.:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOCHEM 601</td>
<td>Protein and Enzyme Structure and Function</td>
<td></td>
</tr>
<tr>
<td>BIOCHEM/GENETICS/MICROBIO 612</td>
<td>Prokaryotic Molecular Biology</td>
<td></td>
</tr>
<tr>
<td>BIOCHEM/GENETICS/MD GENET 620</td>
<td>Eukaryotic Molecular Biology</td>
<td></td>
</tr>
<tr>
<td>NTP/NEURODPT 610</td>
<td>Cellular and Molecular Neuroscience</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits**: 9-10

### PEOPLE

**Faculty:**

- **Chair**: Professor Meyer Jackson (Neuroscience Department) Website (https://neuro.wisc.edu/staff/jackson-meyer)
- Paul Ahlquist (Oncology) Website (https://mcardle.wisc.edu/who-we-are/mcardle-faculty/paul-ahlquist-phd)
- Tom Brunold (Chemistry) Website (http://brunold.chem.wisc.edu)
- Judith Burstyn (Chemistry) Website (http://burstyn.chem.wisc.edu)
- Sam Butcher (Biochemistry) Website (https://biochem.wisc.edu/faculty/butcher)
- Silvia Cavagnero (Chemistry) Website (http://cavagnero.chem.wisc.edu)
- Baron Chanda (Neuroscience) Website (http://bclab.neuro.wisc.edu)
- Ed Chapman (Neuroscience) Website (https://chapman.neuro.wisc.edu)
- Gheorghe Craciun (Mathematics) Website (http://www.math.wisc.edu/~craciun)
- Cindy Czajkowski (Neuroscience) Website (https://neuro.wisc.edu/staff/czajkowski-cynthia)
- Katrina Forest (Bacteriology) Website (https://bact.wisc.edu/people_profile.php?t=r&p=Kforres1)
- Brian Fox (Biochemistry) Website (https://biochem.wisc.edu/faculty/fox/default.aspx)
- Sam Gellman (Chemistry) Website (http://gellman.chem.wisc.edu)
- Pupa Gilbert (Physics)
- Randy Goldsmith (Chemistry) Website (https://goldsmith.chem.wisc.edu)
- Jeff Hardin (Zoology) Website (http://worms.zoology.wisc.edu)
- Katie Henzler-Wildman (Biochemistry) Website (https://biochem.wisc.edu/faculty/henzler-wildman)
- Hazel Holden (Biochemistry) Website (https://biochem.wisc.edu/faculty/holden/default.aspx)
- Aaron Hoskins (Biochemistry) Website (https://biochem.wisc.edu/faculty/hoskins/default.aspx)
- Mathew Jones (Neuroscience) Website (https://neuro.wisc.edu/staff/jones-mathew-2)
- Jim Keck (Biomolecular Chemistry) Website (https://bmolchem.wisc.edu/staff/keck-james)
- Bob Landick (Biochemistry) Website (https://landick.wisc.edu)
- John Markley (Biochemistry) Website (https://biochem.wisc.edu/faculty/markley)
- Megan McClean (Biomedical Engineering) Website (http://mccleanlab.bme.wisc.edu)
- Matthew Merrins (Biomolecular Chemistry)
- Julie Mitchell (Mathematics) Website (https://biochem.wisc.edu/faculty/mitchell/default.aspx)
- Regina Murphy (Chemical and Biological Engineering) Website (http://murphygroup.che.wisc.edu)
- Vatsan Raman (Biochemistry) Website (https://biochem.wisc.edu/faculty/raman)
- Ivan Rayment (Biochemistry) Website (https://biochem.wisc.edu/faculty/rayment/default.aspx)
- Tom Record (Biochemistry) Website (https://biochem.wisc.edu/faculty/record)
- Gail Robertson (Neuroscience) Website (https://neuro.wisc.edu/staff/robertson-gail)
- Phil Romero (Biochemistry) Website (https://biochem.wisc.edu/faculty/romero)
Kris Saha (Biomedical Engineering) Website (http://sahalab.bme.wisc.edu)

David Schwartz (Chemistry) Website (https://www.chem.wisc.edu/users/schwartz)

Alessandro Senes (Biochemistry) Website (https://biochem.wisc.edu/faculty/senes/default.aspx)

Nate Sherer (Oncology) Website (https://mcardle.wisc.edu/who-we-are/faculty/nathan-m-sherer-phd)

Melissa Skala (Biomedical Engineering) Website (https://morgridge.org/research/medical-engineering/multiscale-imaging)

Lloyd Smith (Chemistry) Website (https://www.chem.wisc.edu/users/smith)

Daniel van der Weide (Electrical and Computer Engineering) Website (http://vdw.ece.wisc.edu)

Reid Van Lehn (Chemical and Biological Engineering) Website (http://vanlehngroup.che.wisc.edu)

Ophelia Venturelli (Biochemistry) Website (https://biochem.wisc.edu/faculty/venturelli)

Doug Weibel (Biochemistry) Website (https://biochem.wisc.edu/faculty/weibel/default.aspx)

James Weisshaar (Chemistry) Website (https://www.chem.wisc.edu/users/weisshaa)

Yongna Xing (Oncology) Website (https://mcardle.wisc.edu/who-we-are/mcardle-faculty/yongna-xing-phd)

John Yin (Chemical and Biological Engineering) Website (https://yin.discovery.wisc.edu)