# BIOCHEMISTRY AND BIOPHYSICS GRADUATE MINOR

Administered by the Department of Biochemistry and Biophysics under the School of Life Sciences.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>3-7</td>
</tr>
<tr>
<td>BB 550</td>
<td>GENERAL BIOCHEMISTRY and GENERAL BIOCHEMISTRY</td>
<td></td>
</tr>
<tr>
<td>&amp; BB 551</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BB 590</td>
<td>BIOCHEMISTRY 1: STRUCTURE AND FUNCTION</td>
<td></td>
</tr>
<tr>
<td>BB 591</td>
<td>BIOCHEMISTRY 2: METABOLISM</td>
<td></td>
</tr>
<tr>
<td>BB 592</td>
<td>BIOCHEMISTRY 3: GENETIC BIOCHEMISTRY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Plus BB-related graduate level courses with BB graduate advisor approval</td>
<td>6-8</td>
</tr>
<tr>
<td></td>
<td><strong>Pre-approved Courses</strong></td>
<td></td>
</tr>
<tr>
<td>BB 581</td>
<td>MACROMOLECULAR STRUCTURE</td>
<td></td>
</tr>
<tr>
<td>BB 582</td>
<td>BIOPHYSICS (Pending approval)</td>
<td></td>
</tr>
<tr>
<td>BB 583</td>
<td>ADVANCED BIOCHEMISTRY AND BIOPHYSICS: CAPSTONE</td>
<td></td>
</tr>
<tr>
<td>BB 593</td>
<td>BIOCHEMISTRY LABORATORY MOLECULAR TECHNIQUES 1</td>
<td></td>
</tr>
<tr>
<td>BB 594</td>
<td>BIOCHEMISTRY LABORATORY MOLECULAR TECHNIQUES 2</td>
<td></td>
</tr>
<tr>
<td>BB 650</td>
<td>SELECTED TOPICS IN BIOCHEMISTRY AND BIOPHYSICS (Cell cycle and cancer)</td>
<td></td>
</tr>
<tr>
<td>BB 650</td>
<td>SELECTED TOPICS IN BIOCHEMISTRY AND BIOPHYSICS (Protein evolution)</td>
<td></td>
</tr>
<tr>
<td>BB 651</td>
<td>SELECTED TOPICS IN BIOCHEMISTRY AND BIOPHYSICS (Epigenetics)</td>
<td></td>
</tr>
<tr>
<td>BB 651</td>
<td>SELECTED TOPICS IN BIOCHEMISTRY AND BIOPHYSICS (Macromolecular Interactions)</td>
<td></td>
</tr>
<tr>
<td>BB 651</td>
<td>SELECTED TOPICS IN BIOCHEMISTRY AND BIOPHYSICS (Membrane Biochemistry)</td>
<td></td>
</tr>
<tr>
<td>BB 651</td>
<td>SELECTED TOPICS IN BIOCHEMISTRY AND BIOPHYSICS (Protein NMR Spectroscopy)</td>
<td></td>
</tr>
<tr>
<td>BB 651</td>
<td>SELECTED TOPICS IN BIOCHEMISTRY AND BIOPHYSICS (Protein Homeostasis, Aging, Disease)</td>
<td></td>
</tr>
<tr>
<td>BB 652</td>
<td>SELECTED TOPICS IN BIOCHEMISTRY AND BIOPHYSICS (Oxidative Stress)</td>
<td></td>
</tr>
<tr>
<td>BB 652</td>
<td>SELECTED TOPICS IN BIOCHEMISTRY AND BIOPHYSICS (Protein X-ray Crystallography)</td>
<td></td>
</tr>
<tr>
<td>MCB 525</td>
<td>TECHNIQUES IN MOLECULAR AND CELLULAR BIOLOGY</td>
<td></td>
</tr>
<tr>
<td>MCB 554</td>
<td>GENOME ORGANIZATION, STRUCTURE, AND MAINTENANCE</td>
<td></td>
</tr>
<tr>
<td>MCB 555</td>
<td>GENOME EXPRESSION AND REGULATION</td>
<td></td>
</tr>
<tr>
<td>MCB 556</td>
<td>CELL AND DEVELOPMENTAL BIOLOGY</td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours**: 9-15