PH.D., BIOCHEMISTRY AND NEUROSCIENCE WITH BIOCHEMISTRY CONCENTRATION

Admission Requirements

Complete the following admission requirements:

- Submit GRE General Test scores
- If English is not your native language, submit scores from both the Test of Spoken English and the Test of Written English, as well as TOEFL scores. Requests, including justification, for exceptions to this requirement should be made to the chair of the department.

Program Requirements

Minimum Requirements for Biochemistry and Neuroscience Ph.D. (including core courses): 38 credits

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>General University Requirements</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Complete the general university requirements. (<a href="http://catalog.uaf.edu/graduate/general-university-requirements-phd/">http://catalog.uaf.edu/graduate/general-university-requirements-phd/</a>)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Ph.D. Degree Requirements</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Complete the Ph.D. degree requirements. (<a href="http://catalog.uaf.edu/graduate/#phdtext">http://catalog.uaf.edu/graduate/#phdtext</a>)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Biochemistry and Neuroscience Program Requirements</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Complete three of the following: 9</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>CHEM F654 Protein Structure and Function</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CHEM F657 Molecular Foundations of Gene Expression</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CHEM F670 Cellular and Molecular Neuroscience</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CHEM F674 Membrane Biochemistry and Biophysics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CHEM F675 Cellular Signaling</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Complete 9 credits of electives excluding thesis or project (CHEM F699 and CHEM F698).</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Complete Ph.D. dissertation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Complete seminar series CHEM F688 at least twice.</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>CHEM F688 Biochemical and Molecular Biology Seminar</td>
<td></td>
</tr>
</tbody>
</table>


See Environmental Chemistry ([http://catalog.uaf.edu/graduate/graduate-degree-programs/environmental-chemistry/](http://catalog.uaf.edu/graduate/graduate-degree-programs/environmental-chemistry/)).