

# BIOCHEMISTRY AND NEUROSCIENCE WITH BIOCHEMISTRY CONCENTRATION PH.D.

See Environmental Chemistry Ph.D. (<https://catalog.uaf.edu/phd/environmental-chemistry/>) program.

## 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

< Back to Department (<https://catalog.uaf.edu/academic-departments/chemistry-biochemistry/>)

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

Code	Title	Credits
<b>General University Requirements</b>		
Complete the graduate general university requirements. ( <a href="https://catalog.uaf.edu/phd/#gurphdtext">https://catalog.uaf.edu/phd/#gurphdtext</a> )		
<b>Ph.D. Degree Requirements</b>		
Complete the Ph.D. degree requirements. ( <a href="https://catalog.uaf.edu/phd/#phdrequirements">https://catalog.uaf.edu/phd/#phdrequirements</a> )		18
As part of the Ph.D. requirements, complete the following:		
CHEM F699	Thesis (18 credits)	
<b>Biochemistry and Neuroscience Program Requirements</b>		
Complete three of the following:		9
CHEM F654	Protein Structure and Function	
CHEM F657	Molecular Foundations of Gene Expression	
CHEM F670	Cellular and Molecular Neuroscience	
CHEM F674	Membrane Biochemistry and Biophysics	
CHEM F675	Cellular Signaling	
Complete 9 credits of electives excluding thesis or project (CHEM F699 and CHEM F698).		9
Complete Ph.D. dissertation		
Complete seminar series CHEM F688 at least twice.		2
CHEM F688	Biochemical and Molecular Biology Seminar	
<b>Total Credits</b>		<b>38</b>

See Chemistry B.S. (<https://catalog.uaf.edu/bachelors/chemistry-bs/>) and M.S. (<https://catalog.uaf.edu/masters/chemistry/>) programs.