

# BIOCHEMISTRY

## Biochemistry Concentration

Code	Title	Hours
<b>Core Courses</b>		
CCHE 512	Instrumental Methods	3
CCHE 521	Advanced Inorganic Chemistry	3
CCHE 531	Mechanistic Organic Chem I	3
CCHE 532	Organic Synthesis	3
CCHE 541	Thermodynamics	3
CCHE 542	Quantum Mechanics	3
<b>Biochemistry Concentration</b>		
CCHE 551	Advanced Biochemistry I	3
CCHE 552	Advanced Biochemistry II	3
CCHE 651		3
CBIO 504	Molecular Genetics	3
or CBIO 506	Cell Biology	
Thesis Research <sup>1</sup>		6
<b>Total Hours</b>		<b>36</b>

CCHE 7X0	Thesis Research <sup>1</sup>	3
	<b>Hours</b>	<b>9</b>
	<b>Total Hours</b>	<b>36</b>

<sup>1</sup> Must be approved by the Department Chair in consultation with the student's major area professor.

<sup>1</sup> CCHE 7X0 Thesis Research Area of Study (Variable Credits)  
**Must be approved by the Department Chair in consultation with the student's major area professor.**

## Qualifying Examinations Chemistry, M.S., with Biochemistry Concentration

Course	Title	Hours
<b>First Year</b>		
<b>First Semester</b>		
CCHE 521	Advanced Inorganic Chemistry	3
CCHE 531	Mechanistic Organic Chem I	3
CCHE 551	Advanced Biochemistry I	3
	<b>Hours</b>	<b>9</b>
<b>Second Semester</b>		
CCHE 542	Quantum Mechanics	3
CCHE 552	Advanced Biochemistry II	3
CCHE 532	Organic Synthesis	3
	<b>Hours</b>	<b>9</b>
<b>Second Year</b>		
<b>First Semester</b>		
CCHE 541	Thermodynamics	3
CBIO 504	Molecular Genetics	3
or CBIO 506	or Cell Biology	
CCHE 7X0	Thesis Research <sup>1</sup>	3
	<b>Hours</b>	<b>9</b>
<b>Second Semester</b>		
CCHE 512	Instrumental Methods	3
CCHE 651		3