

# BIOCHEMISTRY MAJOR

## American Chemical Society Approved Concentration (UBCA)

### DOMAIN GENERAL EDUCATION (10 Courses Required):

Domain II B is satisfied through completion of the Chemistry major, leaving ten courses to be completed to satisfy the remaining General Education subdomains through courses taken outside the major department. Only courses designated (Gen. Ed. Domain) after the course title will meet General Education requirements. Please refer to the catalog for full information.

<u>COURSE #</u>	<u>TITLE</u>	<u>SUBDOMAINS</u>
		<u>MET</u>
<u>MATH 219</u>	<u>Calculus I</u>	<u>CCB</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

### Domain General Education Subdomains (check off as completed):

Common Core:	A. ENGL 110 Expository Writing _____	
	B. MATH XXX (credit-bearing) _____	
Domain I:	A. Creative Arts _____	
	B. Humanities _____	
	C. Language _____	
Domain II:	A. Analysis, Modeling, Problem-Solving _____	
	B. Natural Sciences (two) _____	X
Domain III:	A. Perspectives on the Past _____	
	B. Perspectives on Contemp. World _____	
	C. Global Comp., Eth. Reas., Human Div. _____	

X = Fulfilled through Major

### MAJOR AND RELATED COURSES (18):

<u>COURSE #</u>	<u>COURSE TITLE</u>
<u>BIOL 161</u>	<u>Intro to Cell &amp; Molecular Biology</u> OR
	<u>BIOL 130 Principles of Biology</u>
<u>BIOL 208</u>	<u>Genetics</u>
<u>BIOL 260</u>	<u>Cell Biology</u>
<u>CHEM 107</u>	<u>Principles of Chemistry</u>
<u>CHEM 108</u>	<u>Principles of Chemistry &amp; Quantitative Analysis</u>
<u>CHEM 207</u>	<u>Organic Chemistry I</u>
<u>CHEM 208</u>	<u>Organic Chemistry II</u>
<u>CHEM 301</u>	<u>Biochemistry I</u>
<u>CHEM 303</u>	<u>Physical Chemistry I</u>
<u>CHEM 321</u>	<u>Instrumental Analysis</u>
<u>CHEM 332</u>	<u>Biochemistry II</u>
<u>MATH 220</u>	<u>Calculus II</u>
<u>PHYS 211</u>	<u>Principles of Physics I</u>
<u>PHYS 212</u>	<u>Principles of Physics II</u>

Concentration requirements: Choose four (4) restricted elective courses (see catalog):

<u>CHEM 401</u>	<u>Inorganic Chemistry</u>
<u>CHEM 480</u>	<u>Chemical Research II</u>
<u>CHEM 481</u>	<u>Chemical Research II</u>
_____	<u>Choose one elective course from restricted list</u>

### Free electives:

_____	_____
_____	_____
_____	_____
_____	_____