

# MAJOR IN CHEMISTRY, CONCENTRATION IN BIOCHEMISTRY

## Requirements for a Major in Chemistry, Concentration in Biochemistry

Code	Title	Credits
<b>Core (46 credits)</b>		
CH-120 & CH-121	General Chemistry I and General Chemistry II	8
CH-201 & CH-202	Organic Chemistry I (lecture) and Organic Chemistry II (lecture)	6
CH-203 & CH-204	Organic Chemistry Laboratory I and Organic Chemistry Laboratory II	4
CH-301 & CH-302	Physical Chemistry I (Lecture Only) and Physical Chemistry II (Lecture Only)	6
CH-260	Chemistry Literature Seminar	1
CH-303	Physical Chemistry Laboratory I	2
CH-210	Chemical Analysis: an Introduction to Modern Methods	5
CH-475	Chemistry Seminar	2
Plus a minimum of 12 credits at the 300 level or above, at least one of which must be a lab course. Internships and Independent Study may contribute no more than 3 credits toward this requirement.		12
<b>Ancillary Courses (16 credits)</b>		
MA-200 & MA-201	Calculus I and Calculus II	8
PY-241 & PY-242	Physics I (Mechanics) and Physics II (electricity, Magnetism and Optics)	8
<b>Concentration in Biochemistry (16-17 credits)</b>		
CH-410	Biochemistry I	4
CH-350	Medicinal Chemistry	3
Select two of the following:		6-7
CH-330	Environmental Toxicology	
CH-355	Molecular Pharmacology	
CH-411	Biochemistry II	
BI-371	Advanced Topics in Cell and Molecular Biology	
Select three credits in one of the following: <sup>2</sup>		3
CH-480	Internship: Chemistry	
<b>Total Credits</b>		<b>78-79</b>

<sup>1</sup> In appropriate topic for concentration.

<sup>2</sup> In an appropriate topic for the concentration; may be substituted for one of the electives with departmental approval.

Students must earn a C- or higher in all prerequisite courses in order to register for a chemistry or ancillary course.