

BA with a Major in Chemistry
Approved by UIC Faculty Senate, March, 2007

Degree Requirements

Required Prerequisite and Collateral Courses

Courses	Hours
MATH 180—Calculus I ^{ab}	5
MATH 181—Calculus II ^a	5
One of the following sequences in physics:	8–10
PHYS 141—General Physics I (Mechanics) (4) ^{ac}	
PHYS 142—General Physics II (Electricity and Magnetism) (4) ^{ac}	
OR	
PHYS 105—Introductory Physics I—Lecture (4) ^{ad}	
PHYS 106—Introductory Physics I—Laboratory (1) ^{ad}	
PHYS 107—Introductory Physics II—Lecture (4) ^{ad}	
PHYS 108—Introductory Physics II—Laboratory (1) ^{ad}	
Total Hours—Required Prerequisite and Collateral Courses	18–20

^a This course is approved for the Analyzing the Natural World General Education category.

^b MATH 180 fulfills the LAS Quantitative Reasoning requirement.

^c PHYS 141 and 142 are recommended.

^d Each of the following pairs will be considered one course in meeting the LAS General Education requirements: PHYS 105/PHYS 106 and PHYS 107/PHYS 108.

Major Requirements

Courses	Hours
One of the following sequences in general and analytical chemistry:	14
CHEM 112—General College Chemistry I (5) ^a	
CHEM 114—General College Chemistry II (5) ^a	
CHEM 222—Analytical Chemistry (4)	
OR	
CHEM 116—Honors General Chemistry I (5) ^a	
CHEM 118—Honors General Chemistry II (5) ^a	
CHEM 222—Analytical Chemistry (4)	
CHEM 232—Organic Chemistry I	4
CHEM 233—Organic Chemistry Laboratory	1
CHEM 234—Organic Chemistry II	4
One of the following physical chemistry sequences:	9
CHEM 342—Physical Chemistry I (3)	
CHEM 343—Physical Chemistry Laboratory (3) ^b	
CHEM 346—Physical Chemistry II (3)	
OR	
CHEM 340—Physical Chemistry for Biochemists I (3)	
CHEM 343—Physical Chemistry Laboratory (3) ^b	
CHEM 344—Physical Chemistry for Biochemists II (3)	
CHEM 314—Intermediate Inorganic Chemistry	4
Chemistry electives	3
Total Hours—Major Requirements	39

^a This course is approved for the Analyzing the Natural World General Education category.

^b CHEM 343 fulfills the Writing-in-the-Discipline requirement.