

# CHEMISTRY MAJOR – B.A.

## Summary

Code	Title	Credits
	Chemistry B.A. Major Requirements	56
	Integrative Core Curriculum Requirements <sup>1</sup>	17-29
	Electives	35-47
Total Credits		120

<sup>1</sup> See Integrative Core Curriculum requirements, with information about the H&S CLA requirement. (<https://catalog.ithaca.edu/undergrad/schools/school-humanities-sciences/#integrativecorecurriculumicctext>)

## Degree Requirements

Code	Title	Credits
<b>COURSES IN THE DEPARTMENT</b>		
CHEM 12100 & CHEM 12200 or CHEM 12300	Principles of Chemistry and Principles of Chemistry Laboratory Principles of Chemistry - Enriched Section	4
CHEM 12400	Experimental Chemistry I	2
CHEM 22100	Organic Chemistry I	3
CHEM 22200	Organic Chemistry II	3
CHEM 22500	Experimental Chemistry II	2
CHEM 23200	Quantitative Chemistry	3
CHEM 32400	Experimental Chemistry III	3
CHEM 33100 or CHEM 33200	Physical Chemistry: Thermodynamics and Kinetics Physical Chemistry: Quantum Chemistry and Spectroscopy	3
CHEM 34200	Inorganic Chemistry	3
CHEM 48700	Chemistry Seminar	1
CHEM 48800	Chemistry Capstone: Senior Thesis	3
BIOC 35300	Biochemistry: Protein Structure & Function	3
CHEM 3xxxx-4xxxx	Upper-level Chemistry electives (may include CHEM 39100 and CHEM 39200 Research in Chemistry)	7
<b>COURSES OUTSIDE THE DEPARTMENT</b>		
PHYS 11700	Principles of Physics I: Mechanics	4
PHYS 11800	Principles of Physics II: Electricity and Magnetism	4
MATH 11100	Calculus I	4
MATH 11200	Calculus II	4
Total Credits		56