

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

Graduate Courses offered at Queens College are listed below. Courses are not offered every semester. Students have access to certain chemistry or biochemistry related graduate courses offered in other departments at QC as well as other CUNY campuses. While this adds flexibility to match your interests and scheduling, you must work with your advisor Prof. Uri Samuni for planning and completion of your degree.

Course	Title	Cr
CHEM 501	Modern Concepts Gen Chem [Note: n/a for MS program in Chem or Biochem]	2
CHEM 503	Selected topics in Chemistry [Note: n/a for MS program in Chem or Biochem]	3
CHEM 650	Biochemistry	4
CHEM 710	Advanced Inorganic Chemistry	3
CHEM 750	Advanced Organic Chemistry	3
CHEM 760	Quantum Chemistry	3
CHEM 770	Chem Thermodynamics	3
CHEM 781	Advanced Seminar	2
CHEM 786	Spectroscopic Methods of Structure Determination	3
CHEM 7901	Lab techniques in Analytical & Physical Chemistry	4
CHEM 793	Tutorial in Chemistry [1 to 3 credits]	1 to 3
CHEM 795	Research in Chemistry or Biochemistry [1 to 6 cr]	1 to 6
BIOCH 710	Advanced Biochemistry	4
BIOCH 7111	Biochem Lab Techniq – 1	4
BIOCH 7112	Biochem Lab Techniq – 2	4
BIOCH 770	Physical Biochemistry	3

Concentration in Chemistry Required courses:

Chem 710 Advanced Inorganic Chemistry 3 cr.
 Chem 750 Advanced Organic Chemistry 3 cr.
 Chem 760 Quantum Chemistry 3 cr.
 A second course in Physical Chemistry 3 cr.
 Chem 770 Thermodynamics and Kinetics
 Biochem770 Physical Biochemistry
 Chem 781 Advanced Seminar 2 cr.
 Chem 7901 Laboratory Techniques for Research in Analytical and Physical Chemistry 4 cr
 Chem 795 Research

Additional Chemistry & Biochemistry graduate courses to a total of 30 cr.

Concentration in Biochemistry Required courses:

Biochem 710 Advanced Biochemistry 3 cr.
 Chem 750 Advanced Organic Chemistry 3 cr.
 Physical chemistry: 3 cr.
 Biochem 770 Physical Biochemistry
 or Chem 760 Quantum Chemistry
 or Chem 770 Thermodynamics and Kinetics
 Chem 781 Advanced Seminar 2 cr.
 Chem 7901 Laboratory Techniques for Research in Analytical and Physical Chemistry 4 cr.
 Chem 795 Research

Additional Chemistry & Biochemistry graduate courses to a total of 30 cr.