

CHEMISTRY MAJOR, BS

Campus: NYC, Westchester

Major Completion Summary

Requirement	Credits
University Core Requirements	44-55
Major Requirements	68-70
Open Electives	10-16
Total Credits	128

University Core Requirements (44-55 Credits)

See complete University Core (<http://catalog.pace.edu/undergraduate/university-core-curriculum/>) requirements.

Includes many of the major's required Math and Science courses if taken to satisfy Core Foundation and Area requirements.

Code	Title	Credits
University Core		
Complete University Core Requirements ¹		44-55
Total Credits		44-55

¹ Includes many of the major's required Math and Science courses if taken to satisfy Core Foundation and Area requirements.

Major Requirements (68-70 Credits)

Code	Title	Credits
Required Chemistry Courses		
CHE 111	General Chemistry I	4
CHE 112	General Chemistry II	4
CHE 200	Mathematical Methods for Physical Chemistry	4
CHE 221	Analytical Methods and Techniques	4
CHE 223	Organic Chemistry I	5
CHE 224	Organic Chemistry II	5
CHE 301	Physical Chemistry I	4
CHE 302	Physical Chemistry II	4
CHE 326	Biochemistry	4
CHE 330	Advanced Inorganic Chemistry	4
CHE 331	Instrumental Analysis	4
CHE 340	Polymer Chemistry	3
CHE 392	Chemistry Seminar I	1
CHE 480	Research in Chemistry	3
CHE 492	Chemistry Seminar II	1

Campus Specific Chemistry Course

Complete campus specific course. 3-4

NYC Students

CHE 333 Advanced Organic Chemistry

PLV Students

CHE XXX Recommended Advanced CHE course

Required Math and Science Courses

BIO 102	General Biology II	4
MAT 132	Calculus II	4
PHY 111	General Physics I	4
PHY 112	General Physics II	4

Required Advanced CHE Elective

Select one of the following: 3-4

CHE 305	Quantum Chemistry
CHE 310	Green Chemistry
CHE 328	Advanced Biochemistry
CHE 338	Spectroscopy, Theory and Practice
CHE 370	Advanced Biophysical Chemistry: Membrane Transport and Ionic Channels

Total Credits 76-78**Open Electives (10-16 Credits)**

Code	Title	Credits
Open Electives		
Select 10-16 credits ¹		10-16
Total Credits		10-16

¹ Includes various Math and Science courses not taken for University Core Credit.