

# BIOCHEMISTRY MAJOR, BS

**Campus:** NYC, Westchester

Prepares students for medical school, graduate school, or employment in the industry. This program is approved by the American Chemical Society (ACS).

## Major Completion Summary

Requirement	Credits
University Core Requirements	44-55
Major Requirements	65-66
Open Electives	7-20
<b>Total Credits</b>	<b>128</b>

## University Core Requirements (44-55 Credits)

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

Includes several of the major-required Math, Biology and Physics courses listed below:

Code	Title	Credits
<b>Major-Required Math and Science Courses</b>		
The following University Core courses satisfy several Math and Science foundation requirements of the Biochemistry Major, BS:		
BIO 101	General Biology I	4
BIO 102	General Biology II	4
MAT 132	Calculus II	4
PHY 111	General Physics I	4
PHY 112	General Physics II	4
BIO 231 or BIO 264	Genetics Microbiology	4

## Major Requirements (65-66 Credits)

Code	Title	Credits
<b>Required Major Courses</b>		
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: Thermodynamics	4
CHE 302	Physical Chemistry II	4
CHE 326	Biochemistry	4
CHE 328	Advanced Biochemistry	3
CHE 329	Advanced Biochemistry Laboratory	0-2
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
CHE 333 (NYC) or CHE XXX Recommended Advanced CHE Course (PLV)		3
<b>Required Science Course <sup>1</sup></b>		

FOR 505 (NYC) or BIO 335 (PLV)

3

Total Credits

63-65

<sup>1</sup> Not taken for University Core Credit

## Open Electives (7-20Credits)

Code	Title	Credits
<b>Open Electives</b>		
Select 7-20 credits <sup>1</sup>		7-20
Total Credits		7-20

<sup>1</sup> Includes UNV 101 First-Year Seminar. Introduction to University Community and Major-required Biology, Math, and Physics courses not taken for University Core credit.