

BIOLOGY/BIOCHEMISTRY AND MOLECULAR BIOLOGY, BS/MS

Campus: NYC

Major Completion Summary

Requirement	Credits
University Core Credits	51
Major Requirements	53-55
Open Electives	4-16
Additional Graduate Courses for MS Degree	22
Total Credits	150

University Core Requirements (51 Credits)

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

Note: Various major-required math and science courses listed below may fulfill foundation, area of knowledge, and/or core requirements. Please consult with an academic advisor.

Major Requirements (53-55 Credits)

Required Courses

Code	Title	Credits
Biology Requirements		30-31
BIO 101	General Biology I	4
BIO 102	General Biology II	4
BIO 210	Ecology	4
BIO 231	Genetics	4
BIO 327	Cellular Biochemistry	4
BIO 335	Molecular and Cellular Biology	4
BIO 335A	Molecular and Cellular Biology	1
BIO 480	Research in Biology	3
BIO 490	Introduction to Research in the Biological Sciences	3
BIO 493	Major Field Test in Biology	0
Biology Elective		
Select one additional BIO course at 200 level or above		3-4
BMB Core Courses		12
Select 12 credits from list		
BMB 610	Seminar	1
BMB 620	Quantitative Methods: Data Analysis and Presentation	3
BMB 626	Cellular Biochemistry and Advanced Molecular Biology	4
BMB 629	Molecular Biochemistry	4
BMB 640	Physical Biochemistry	4
BMB 710	Research I	4
Required Math and Science Courses		8
CHE 112	General Chemistry II	0-4
CHE 223	Organic Chemistry I	0-4
CHE 224	Organic Chemistry II	0-4
MAT 141	Introductory Statistics for the Life Sciences	4
PHY 101	College Physics I	4
or PHY 111	General Physics I	
PHY 102	College Physics II	4
or PHY 112	General Physics II	
Total Credits		116-130

Open Electives (4-16 CREDITS)

Code	Title	Credits
Open Electives		
Select 4-16 credits		4-16