

BIOLOGY AND NUTRITION AND DIETETICS, BA/MS

Campus: NYC, Westchester

In this program, students complete the BA in Biology as well as the MS in Nutrition and Dietetics (MSND) in 5 years. The goal is to provide students with knowledge and skills required for the workforce in nutrition and dietetics, while also providing them with a broad background in the life sciences via the undergraduate degree portion of the joint program. While most of the courses for the BA are offered on both the NYC and the PLV campuses, the MSND courses are only offered in PLV.

Major Completion Summary

Requirement	Credits
University Core Credits	44
Major and ND Requirements	42
Open Electives	18-28
Additional Graduate Courses for MS Degree	27
Total Credits	150

University Core Requirements (44 Credits)

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

Code	Title	Credits
University Core		44
Foundation Requirements		
ENG 110	Composition (can test out of course)	
ENG 120	Critical Writing	
ENG 201	Writing in the Disciplines	
COM 200	Public Speaking	
MAT 141	Introductory Statistics for the Life Sciences	
CHE 111	General Chemistry I	
CS 121	Introduction to Computer Science	
or TS 105	Computers for Human Empowerment	
or CIS 101	Introduction to Computing	
Second Language Proficiency (can test out of language requirement)		
Western Heritage (WH AOK 2)		
World Cultures and Traditions (WCT AOK 3)		
Humanistic and Creative Expressions (AOK 4)		
Analysis of Human, Social and Natural Phenomena (AOK 5)		
One Additional AOK Course		
Required In Depth Sequence		
CHE 112	General Chemistry II	
CHE 223	Organic Chemistry I	
CHE 224	Organic Chemistry II	

Major Requirements (42 Credits)

Code	Title	Credits
Biology Requirements		30
BIO 101	General Biology I	
BIO 102	General Biology II	
BIO 210	Ecology	
BIO 231	Genetics	
BIO 327	Cellular Biochemistry	
BIO 335	Molecular and Cellular Biology	
ND 580	Supervised Practice I- Food Service Rotation	
BIO 490	Introduction to Research in the Biological Sciences	

BIO 493	Major Field Test in Biology	
Major Requirements		12
BIO 251	Principles of Human Anatomy	
BIO 334	General Physiology	
BIO 264	Microbiology	
Required Science Courses		0
CHE 112	General Chemistry II	
CHE 223	Organic Chemistry I	
CHE 224	Organic Chemistry II	
Open Electives (18-28 Credits)		
Code	Title	Credits
UNV 101	First-Year Seminar: Introduction to University Community	
CHP 105	Introduction to Nutrition	
BIO 335A	Molecular and Cellular Biology (New York City Campus Only)	
Graduate Nutrition and Diet Courses (24 Credits)		
Code	Title	Credits
ND 500	Advanced Nutrition I: Macronutrients	
ND 540	Nutrition Across the Lifespan	
ND 600	Community and Public Health Nutrition	
ND 530	Advanced Nutrition II - Micronutrients	
ND 560	Nutrition Assessment	
ND 570	Medical Nutrition Therapy I	
ND 610	Nutrition Education and Counseling	
ND 640	Research in Nutrition and Dietetics	
Course	Title	Credits
First Year		
Fall		
BIO 101	General Biology I	4
CHE 111	General Chemistry I	4
PSY 112	Introduction to Psychology	4
University Core Course		3
UNV 101	First-Year Seminar: Introduction to University Community	1
Credits		16
Spring		
BIO 102	General Biology II	4
CHE 112	General Chemistry II	4
University Core Course		3
University Core Course		3
University Core Course		3
Credits		17
Second Year		
Fall		
BIO 231	Genetics	4
BIO 210	Ecology	4
MAT 141	Introductory Statistics for the Life Sciences	4
CHE 223	Organic Chemistry I	5
Credits		17
Spring		
BIO 335	Molecular and Cellular Biology	4
PSY 375	Lifespan Development Psychology	4
CHE 224	Organic Chemistry II	5

ENG 110 or ENG 120 or ENG 201	Composition or Critical Writing or Writing in the Disciplines	3
Credits		16
Third Year		
Fall		
BIO 327	Cellular Biochemistry	4
BIO 251	Principles of Human Anatomy	4
University Core Course		3
University Core Course		3
Credits		14
Spring		
BIO 334	General Physiology	4
BIO 264	Microbiology	4
BIO 493	Major Field Test in Biology	0
CHP 105	Introduction to Nutrition	3
Open Elective		3
Open Elective		2
Credits		16
Fourth Year		
Fall		
ND 500	Advanced Nutrition I: Macronutrients	3
ND 540	Nutrition Across the Lifespan	3
ND 600	Community and Public Health Nutrition	3
ND 640	Research in Nutrition and Dietetics	3
Credits		12
Spring		
ND 530	Advanced Nutrition II - Micronutrients	3
ND 610	Nutrition Education and Counseling	3
ND 560	Nutrition Assessment	3
ND 570	Medical Nutrition Therapy I	3
Credits		12
Summer		
ND 550	Management of Food Service Systems	3
ND 630	Medical Nutrition Therapy II	3
ND 580	Supervised Practice I- Food Service Rotation	3
Credits		9
Fifth Year		
Fall		
ND 511	Functional Foods and Integrative Nutrition	3
ND 670	Nutrition & Dietetics Capstone Project	1.5
ND 620	Supervised Practice II-Clinical Rotation	3
Credits		7.5
Spring		
ND 650	Supervised Practice III- Community Rotation	3
ND 660	Food and Nutrition of World Cultures	3
ND 671	Nutrition and Dietetics Capstone Project II	1.5
Credits		7.5
Summer		
ND 520	Professional Issues in Nutrition and Dietetics	3

ND 680	Supervised Practice IV - Elective Rotation	3
	Credits	6
	Total Credits	150