BIOLOGY & 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 (ca	an test out of language requirement)	
Western Heritage (WH AOK 2)		
World Cultures and Traditions (W	/CT AOK 3)	
Humanistic and Creative Express	sions (AOK 4)	
Analysis of Human, Social and N	latural 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	
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BIO 493 Major Requirements	Major Field Test in Biology	12
BIO 251	Dringiples of Human Anotomy	12
BIO 334	Principles of Human Anatomy General Physiology	
BIO 264	Microbiology	
Required Science Courses	Microbiology	C
CHE 112	General Chemistry II	U
CHE 223	Organic Chemistry I	
CHE 223	Organic Chemistry II	
Open Electives (18-28 Credi	•	
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
Course First Year	Title	Credits
First Year	Title	Credits
First Year Fall		
First Year Fall BIO 101	General Biology I	4
First Year Fall BIO 101 CHE 111	General Biology I General Chemistry I	4
First Year Fall BIO 101 CHE 111 PSY 112	General Biology I	4
First Year Fall BIO 101 CHE 111	General Biology I General Chemistry I Introduction to Psychology	4
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community	4 4 3 1
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101	General Biology I General Chemistry I Introduction to Psychology	4 4 3
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits	4 4 3 1
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II	4 4 4 3 1 16
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits	4 4 3 1 16 4
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II	4 4 3 1 16 4 4 3
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II	4 4 4 3 1 1 6 4 4 3 3 3 3
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course University Core Course	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II	4 4 3 1 16 4 4 3
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course University Core Course	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II General Chemistry II	4 4 4 3 1 1 6 4 4 3 3 3 3 3 3
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course University Core Course University Core Course	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II General Chemistry II	4 4 4 3 1 1 6 4 4 3 3 3 3 3 3
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course University Core Course University Core Course University Core Course Second Year	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II General Chemistry II	4 4 4 3 1 1 6 4 4 3 3 3 3 3 3
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course University Core Course University Core Course Second Year Fall BIO 231	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II General Chemistry II Credits	4 4 4 3 1 16 4 4 4 3 3 3 3 3 7 7 7
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course University Core Course University Core Course University Core Course Second Year Fall	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II General Chemistry II Credits	4 4 4 3 1 16 4 4 3 3 3 3 3 7 7
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course University Core Course	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II General Chemistry II Credits Credits General Chemistry II Genetics Ecology Introductory Statistics for the Life Sciences	4 4 4 3 1 16 4 4 4 3 3 3 3 3 3 3 7 7
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course University Core Course University Core Course University Core Course University Core Course Hold State Second Year Fall BIO 231 BIO 210 MAT 141	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II General Chemistry II Credits General Chemistry II General Chemistry II General Chemistry II General Chemistry II Genetics Genetics Genetics Genetics Introductory Statistics for the Life Sciences Organic Chemistry I	4 4 4 3 1 16 4 4 4 3 3 3 3 3 3 7 7 7 7 7 7 7 7 7 7 7
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course University Core Course University Core Course University Core Course Second Year Fall BIO 231 BIO 210 MAT 141 CHE 223	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II General Chemistry II Credits Credits General Chemistry II Genetics Ecology Introductory Statistics for the Life Sciences	4 4 4 3 1 16 4 4 4 3 3 3 3 3 3 3 7 7
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course University Core Course University Core Course University Core Course University Core Course Second Year Fall BIO 231 BIO 210 MAT 141 CHE 223 Spring	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II General Biology II General Chemistry II Credits Genetics Ecology Introductory Statistics for the Life Sciences Organic Chemistry I Credits Credits	4 4 4 3 1 16 4 4 4 4 3 3 3 3 3 3 17 17 4 4 4 4 4 4 4 4 4 5 5 17
First Year Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course University Core Course University Core Course University Core Course Second Year Fall BIO 231 BIO 210 MAT 141 CHE 223	General Biology I General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II General Chemistry II Credits General Chemistry II General Chemistry II General Chemistry II General Chemistry II Genetics Genetics Genetics Genetics Introductory Statistics for the Life Sciences Organic Chemistry I	4 4 4 3 1 16 4 4 4 3 3 3 3 3 3 7 7 7 7 7 7 7 7 7 7 7

ENG 110	Composition	3
or ENG 120 or ENG 201	or Critical Writing or Writing in the Disciplines	
	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	and the state of the set	
ND 530	Advanced Nutrition II - Micronutrients	3
ND 610 ND 560	Nutrition Education and Counseling	3
	Nutrition Assessment	3
ND 570	Medical Nutrition Therapy I	3
	Credits	
Summer	Credits	<u>3</u> 12
Summer ND 550	Credits Management of Food Service Systems	3 12 3
Summer ND 550 ND 630	Credits Management of Food Service Systems Medical Nutrition Therapy II	3 12 3 3
Summer ND 550	Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation	3 12 3 3 3 3
Summer ND 550 ND 630	Credits Management of Food Service Systems Medical Nutrition Therapy II	3 12 3 3
Summer ND 550 ND 630 ND 580 Fifth Year	Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation	3 12 3 3 3 3
Summer ND 550 ND 630 ND 580 Fifth Year Fall	Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation Credits	3 12 3 3 3 3 9
Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511	Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation Credits Functional Foods and Integrative Nutrition	3 12 3 3 3 3 9 3
Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670	Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation Credits Functional Foods and Integrative Nutrition Nutrition & Dietetics Capstone Project	3 12 3 3 3 3 9 9 1.5
Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511	Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation Credits Functional Foods and Integrative Nutrition	3 12 3 3 3 3 9 3
Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670	Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation Credits Functional Foods and Integrative Nutrition Nutrition & Dietetics Capstone Project Supervised Practice II-Clinical Rotation	3 12 3 3 3 3 9 9 3 1.5 3
Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670 ND 620	Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation Credits Functional Foods and Integrative Nutrition Nutrition & Dietetics Capstone Project Supervised Practice II-Clinical Rotation	3 12 3 3 3 3 9 9 3 1.5 3
Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670 ND 620 Spring	Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation Credits Functional Foods and Integrative Nutrition Nutrition & Dietetics Capstone Project Supervised Practice II-Clinical Rotation Credits	3 12 3 3 3 3 9 9 3 1.5 3 7.5
Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670 ND 620 Spring ND 650	Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation Credits Functional Foods and Integrative Nutrition Nutrition & Dietetics Capstone Project Supervised Practice II-Clinical Rotation Credits Supervised Practice III- Community Rotation	3 12 3 3 3 3 9 9 3 1.5 3 7.5 3 3
Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670 ND 620 Spring ND 650 ND 660	Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation Credits Functional Foods and Integrative Nutrition Nutrition & Dietetics Capstone Project Supervised Practice II-Clinical Rotation Credits Supervised Practice II-Clinical Rotation Food and Nutrition of World Cultures	3 12 3 3 3 3 9 9 3 1.5 3 7.5 3 3 3 3 3
Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670 ND 620 Spring ND 650 ND 660	Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation Credits Functional Foods and Integrative Nutrition Nutrition & Dietetics Capstone Project Supervised Practice II-Clinical Rotation Credits Supervised Practice III- Community Rotation Food and Nutrition of World Cultures Nutrition and Dietetics Capstone Project II	3 12 3 3 3 3 9 9 3 1.5 3 7.5 3 7.5 3 3 1.5
Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670 ND 620 Spring ND 650 ND 660 ND 671	Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation Credits Functional Foods and Integrative Nutrition Nutrition & Dietetics Capstone Project Supervised Practice II-Clinical Rotation Credits Supervised Practice III- Community Rotation Food and Nutrition of World Cultures Nutrition and Dietetics Capstone Project II	3 12 3 3 3 3 9 9 3 1.5 3 7.5 3 7.5 3 3 1.5

4 Biology & Nutrition and Dietetics, BA/MS

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