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

BIO 335

ND 580

BIO 490

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.

Molecular and Cellular Biology

Supervised Practice I- Food Service Rotation

Introduction to Research in the Biological Sciences

University Core Foundation Requirements	44
Foundation Requirements	
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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)	
	redits
Biology Requirements	30
BIO 101 General Biology I	
BIO 102 General Biology II	
BIO 210 Ecology	
BIO 231 Genetics	
BIO 327 Cellular Biochemistry	

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 Cou		Our dit o
Code	Title Advanced Nutrition I: Macronutrients	Credits
ND 500 ND 540	Advanced Nutrition I: Macronutrients Nutrition Across the Lifespan	
	·	
ND 600 ND 530	Community and Public Health Nutrition Advanced Nutrition II - Micronutrients	
ND 560	Nutrition Assessment	
ND 570		
ND 610	Medical Nutrition Therapy I Nutrition Education and Counseling	
ND 640	Research in Nutrition and Dietetics	
ND 040	nesearch in Nutrition and Dietetics	
Course	Title	Credits
First Year		
i not real		
Fall		
	General Biology I	4
Fall	General Biology I General Chemistry I	4 4
Fall BIO 101		
Fall BIO 101 CHE 111	General Chemistry I	4
Fall BIO 101 CHE 111 PSY 112	General Chemistry I	4
Fall BIO 101 CHE 111 PSY 112 University Core Course	General Chemistry I Introduction to Psychology	4 4 3
Fall BIO 101 CHE 111 PSY 112 University Core Course	General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community	4 4 3 1
Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101	General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community	4 4 3 1
Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring	General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits	4 4 3 1 16
Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102	General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II	4 4 3 1 16
Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112	General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II	4 4 3 1 16 4
Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course	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
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 Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II	4 4 3 1 16 4 4 4 3 3
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 Chemistry I Introduction to Psychology First-Year Seminar. Introduction to University Community Credits General Biology II General Chemistry II	4 3 1 16 4 4 3 3 3
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	General Chemistry I Introduction to Psychology First-Year Seminar. Introduction to University Community Credits General Biology II General Chemistry II	4 3 1 16 4 4 3 3 3
Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course	General Chemistry I Introduction to Psychology First-Year Seminar. Introduction to University Community Credits General Biology II General Chemistry II	4 3 1 16 4 4 3 3 3
Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course	General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II General Chemistry II Credits	4 4 3 1 16 4 4 3 3 3 3
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 Fall BIO 231	General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II General Chemistry II Credits Genetics	4 4 3 1 16 4 4 3 3 17 17
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 Fall BIO 231 BIO 210	General Chemistry I Introduction to Psychology First-Year Seminar. Introduction to University Community Credits General Biology II General Chemistry II Credits Genetics Ecology	4 4 3 1 16 4 4 3 3 17 4 4 4
Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course MAT 141	General Chemistry I Introduction to Psychology First-Year Seminar. Introduction to University Community Credits General Biology II General Chemistry II Credits Credits Genetics Ecology Introductory Statistics for the Life Sciences	4 4 3 1 16 4 4 3 3 17 17
Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course MAT 141	General Chemistry I Introduction to Psychology First-Year Seminar. Introduction to University Community Credits General Biology II General Chemistry II Credits Credits Genetics Ecology Introductory Statistics for the Life Sciences Organic Chemistry I	4 4 3 1 16 4 4 3 3 3 17 17 4 4 4 4 5
Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course Second Year Fall BIO 231 BIO 210 MAT 141 CHE 223	General Chemistry I Introduction to Psychology First-Year Seminar. Introduction to University Community Credits General Biology II General Chemistry II Credits Credits Genetics Ecology Introductory Statistics for the Life Sciences Organic Chemistry I	4 4 3 1 16 4 4 3 3 3 17 17 4 4 4 4 5
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 Iniversity Core Course University Core Course Second Year Fall BIO 231 BIO 210 MAT 141 CHE 223 Spring	General Chemistry I Introduction to Psychology First-Year Seminar. Introduction to University Community Credits General Biology II General Chemistry II Credits Genetics Ecology Introductory Statistics for the Life Sciences Organic Chemistry I Credits	4 4 3 1 16 4 4 3 3 3 17 4 4 4 4 5 17
Fall BIO 101 CHE 111 PSY 112 University Core Course UNV 101 Spring BIO 102 CHE 112 University Core Course Second Year Fall BIO 231 BIO 210 MAT 141 CHE 223 Spring BIO 335	General Chemistry I Introduction to Psychology First-Year Seminar: Introduction to University Community Credits General Biology II General Chemistry II Credits Genetics Ecology Introductory Statistics for the Life Sciences Organic Chemistry I Credits Molecular and Cellular Biology	4 4 3 1 16 4 4 3 3 3 17 17 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

ENG 110	Composition	3
or ENG 120	or Critical Writing	
or ENG 201	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	Advanced Notifican II. Advanced in A	
ND 530	Advanced Nutrition II - Micronutrients	3
ND 530 ND 610	Nutrition Education and Counseling	3
ND 530 ND 610 ND 560	Nutrition Education and Counseling Nutrition Assessment	3
ND 530 ND 610	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I	3 3 3
ND 530 ND 610 ND 560 ND 570	Nutrition Education and Counseling Nutrition Assessment	3
ND 530 ND 610 ND 560 ND 570 Summer	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I Credits	3 3 3 12
ND 530 ND 610 ND 560 ND 570 Summer ND 550	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I Credits Management of Food Service Systems	3 3 3 12
ND 530 ND 610 ND 560 ND 570 Summer ND 550 ND 630	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I Credits Management of Food Service Systems Medical Nutrition Therapy II	3 3 12 3
ND 530 ND 610 ND 560 ND 570 Summer ND 550	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation	3 3 3 12 3 3 3
ND 530 ND 610 ND 560 ND 570 Summer ND 550 ND 630 ND 580	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I Credits Management of Food Service Systems Medical Nutrition Therapy II	3 3 12 3
ND 530 ND 610 ND 560 ND 570 Summer ND 550 ND 630 ND 580 Fifth Year	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation	3 3 3 12 3 3 3
ND 530 ND 610 ND 560 ND 570 Summer ND 550 ND 630 ND 580 Fifth Year Fall	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation Credits	3 3 12 3 3 3 9
ND 530 ND 610 ND 560 ND 570 Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I Credits Management of Food Service Systems Medical Nutrition Therapy II Supervised Practice I- Food Service Rotation Credits Functional Foods and Integrative Nutrition	3 3 12 3 3 3 9
ND 530 ND 610 ND 560 ND 570 Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I 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 3 12 3 3 3 9 3 1.5
ND 530 ND 610 ND 560 ND 570 Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I 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 3 12 3 3 3 9 3 1.5 3
ND 530 ND 610 ND 560 ND 570 Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670 ND 620	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I 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 3 12 3 3 3 9 3 1.5
ND 530 ND 610 ND 560 ND 570 Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670 ND 620 Spring	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I 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 3 12 3 3 3 12 3 3 3 3 7.5
ND 530 ND 610 ND 560 ND 570 Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670 ND 620 Spring ND 650	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I 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 3 12 3 3 3 3 3 3 3 3 3 7.5
ND 530 ND 610 ND 560 ND 570 Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670 ND 620 Spring ND 650 ND 660	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I 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	3 3 12 3 12 3 3 3 3 15 3 7.5
ND 530 ND 610 ND 560 ND 570 Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670 ND 620 Spring ND 650	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I 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 3 12 3 12 3 3 3 3 7.5
ND 530 ND 610 ND 560 ND 570 Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670 ND 620 Spring ND 650 ND 660 ND 671	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I 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	3 3 12 3 12 3 3 3 3 15 3 7.5
ND 530 ND 610 ND 560 ND 570 Summer ND 550 ND 630 ND 580 Fifth Year Fall ND 511 ND 670 ND 620 Spring ND 650 ND 660	Nutrition Education and Counseling Nutrition Assessment Medical Nutrition Therapy I 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 3 12 3 12 3 3 3 3 7.5

4 Biology and Nutrition and Dietetics, BA/MS

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