

# NUTRITION AND FOOD SCIENCE MAJOR, DIETETICS CONCENTRATION (B.S.)

Accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, the B.S. in Nutrition and Food Science with a concentration in Dietetics prepares students for careers in a variety of clinical, community and wellness settings. As part of the program, students complete a series of courses called the Didactic Program in Dietetics (DPD) and, when they graduate, receive, not only the baccalaureate degree, but also an ACEND Verification Statement which enables them to apply to a post-graduate Academy of Nutrition and Dietetics (AND) Dietetic Internship, the completion of which is the final prerequisite to taking the Registration Examination to become a Registered Dietitian (RD).

Incoming freshmen and transfer students who are interested in becoming Registered Dietitians must start their course of study in one of the other three concentrations in the B.S. in Nutrition and Food Science Program:

- Applied Nutrition and Wellness,
- Food Systems, or
- Food Science.

Students in those concentrations who wish to be admitted to the Dietetics concentration must apply after having completed the following four courses:

Code	Title	Credits
NUFD 192	Nutrition with Laboratory	4
NUFD 150	Food Composition and Scientific Preparation	3
STAT 109	Statistics	3
CHEM 113	Fundamentals of Chemistry	4

Or their equivalents.

In order to be accepted into the Dietetics concentration, students must have obtained an overall GPA of at least 3.2 at Montclair State with no grades lower than a "C" (2.0). Applications are accepted and evaluated every May, after grades from the Spring semester are posted. Because of other General Education requirements they must complete, freshman may not be able to apply until the end of their sophomore year. Students can apply for admittance to the Dietetics concentration as many times as they would like.

## The Second Bachelor's Degree in Nutrition and Food Science with a Concentration in Dietetics

Individuals who have already earned a Bachelor of Arts or Sciences, but who wish to become Registered Dietitians may complete a 2<sup>nd</sup> Bachelor's in Nutrition and Food Science with a concentration in Dietetics. There are no prerequisites required, regardless of a student's previous field of study; however, incoming 2<sup>nd</sup> Bachelor's students will also have to begin their course of study in one of the other three concentrations in Nutrition and Food Science and then apply for admission to the Dietetics concentration (see above for Dietetics concentration admission requirements). Students earning their 2<sup>nd</sup> Bachelor's in Nutrition and Food Science will not be required to complete the General Education

or World Languages and Cultures requirements and will be given credit for equivalent major core, required, and collateral courses they have taken elsewhere. They will, however, be required to meet the residency requirement, which demands that students complete a minimum of 32 credits at Montclair State University. Because of this, students considering applying to earn a second Bachelor's degree in Nutrition and Food Science should weigh their options very carefully. The Department also offers a post-graduate Academy of Nutrition and Dietetics (AND) certificate, through which students can take the same undergraduate courses required for completion of the Didactic Program in Dietetics (DPD) and issuance of the ACEND Verification Statement. Students in the 2<sup>nd</sup> Bachelor's program pay undergraduate tuition to take the DPD courses; students in the AND certificate program pay graduate tuition to take these same courses, but are not required to complete a minimum of 32 credits. Students should determine whether to choose the 2<sup>nd</sup> Bachelor's in Nutrition or the post-graduate AND certificate based on the number of DPD courses they have left to complete and the cost of graduate vs. undergraduate tuition. Those interested in applying to the AND Certificate program should contact The Graduate School.

## Program Requirements Overview

Code	Title	Credits
General Education Requirements		29
World Languages and Cultures Requirements		3-6
Major Requirements		84
Free Electives		4-1
<b>Total Credits</b>		<b>120</b>

## Major Requirements

Code	Title	Credits
<b>Nutrition and Food Science Core</b>		
NUFD 130	Introduction to Nutrition and Food Science Profession	1
NUFD 150	Food Composition and Scientific Preparation	3
NUFD 153	Dynamics of Food and Society	3
NUFD 192	Nutrition with Laboratory	4
NUFD 240	Sanitation Management and Food Microbiology: Certification	1
NUFD 258	Experimental Food Science	3
NUFD 381	Applied Nutrition in the Lifecycle	3
NUFD 404	Introduction to Research	3
NUFD 452	Organization and Management of Foodservice Systems	3
<b>Dietetics Concentration Required Courses</b>		
NUFD 253	Quantity Food Purchasing and Production	3
NUFD 255	Meal Design and Management	4
NUFD 382	Advanced Nutrition	4
NUFD 383	Applied Community Nutrition	3
NUFD 412	Nutrition Education Techniques	3
NUFD 450	Quantity Food Applications	3
NUFD 482	Nutrition Counseling	3
NUFD 488	Medical Nutrition Therapy	4
NUFD 490	Nutrition and Food Science Professional Seminar	1
NUFD 499	Medical Nutrition Applications	3
<b>Dietetics Collaterals</b>		

BIOL 243	Human Anatomy and Physiology	4
BIOL 254	Applied Microbiology	3
CHEM 113	Fundamentals of Chemistry	4
CHEM 130	Fundamentals of Organic Chemistry	4
CHEM 270	Fundamentals of Biochemistry	5
ECON 101 or ECON 102	Applied Macroeconomics Applied Microeconomics	3
STAT 109	Statistics	3
PSYC 101	Introduction to Psychology	3
<b>Total Credits</b>		<b>84</b>

## General Education Requirements

Click here for a list of courses that fulfill General Education categories. (<http://catalog.montclair.edu/undergraduate-graduate-degree-requirements/general-ed-ba-bs/>)

Code	Title	Credits
<b>A. New Student Seminar</b>		
Complete a 1 credit New Student Seminar course.		1
<b>C. Communication</b>		
1. <i>Writing</i>		3
2. <i>Literature</i>		3
3. <i>Communication</i>		3
<b>D. Fine and Performing Arts</b>		
Complete a 3 credit Fine and Performing Arts course.		3
<b>F. Humanities</b>		
1. <i>Great Works and Their Influences</i>		3
2. <i>Philosophical and Religious Perspectives</i>		3
<b>G. Computer Science</b>		
Complete a 3 credit Computer Science course.		3
<b>H. Mathematics</b>		
STAT 109	Statistics (Fulfilled in the major.)	
<b>I. Natural Science Laboratory</b>		
NUFD 192	Nutrition with Laboratory (Fulfilled in the major.)	
<b>J. Physical Education</b>		
Complete a 1 credit Physical Education course.		1
<b>K. Social Science</b>		
1. <i>American and European History</i>		3
2. <i>Global Cultural Perspectives</i>		3
3. <i>Social Science Perspectives</i>		
NUFD 153	Dynamics of Food and Society (Fulfilled in the major.)	
<b>L. Interdisciplinary Studies</b>		
NUFD 150	Food Composition and Scientific Preparation (Fulfilled in the major.)	
<b>Total Credits</b>		<b>29</b>

## World Languages and Cultures Requirements

Click here for a list of courses that fulfill World Languages and Cultures categories. (<http://catalog.montclair.edu/undergraduate-graduate-degree-requirements/world-languages-cultures-requirement/>)

Code	Title	Credits
<b>A. World Languages</b>		
Based on placement exam complete one or two sequential courses in 3-6 one language.		
<b>B. World Cultures</b>		
NUFD 153	Dynamics of Food and Society (Fulfilled in the major.)	
<b>Total Credits</b>		<b>3-6</b>

## Recommended Roadmap to Degree Completion

This recommended four-year plan is provided as an outline for students to follow in order to complete their degree requirements within four years. This plan is a recommendation and students should only use it in consultation with their academic advisor.

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
GENERAL EDUCATION: (A) New Student Seminar		1
GENERAL EDUCATION: (C1) Writing		3
NUFD 130	Introduction to Nutrition and Food Science Profession	1
NUFD 150	Food Composition and Scientific Preparation	3
NUFD 153	Dynamics of Food and Society	3
PSYC 101	Introduction to Psychology	3
<b>Credits</b>		<b>14</b>
<b>Spring</b>		
GENERAL EDUCATION: (C2) Literature		3
World Language 1		3
CHEM 113	Fundamentals of Chemistry	4
NUFD 192	Nutrition with Laboratory	4
STAT 109	Statistics	3
<b>Credits</b>		<b>17</b>
<b>Second Year</b>		
<b>Fall</b>		
CHEM 130	Fundamentals of Organic Chemistry	4
NUFD 240	Sanitation Management and Food Microbiology Certification	1
NUFD 253	Quantity Food Purchasing and Production	3

NUFD 255	Meal Design and Management	4
NUFD 258	Experimental Food Science	3
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
GENERAL EDUCATION: (C3) Communication		3
BIOL 243	Human Anatomy and Physiology	4
CHEM 270	Fundamentals of Biochemistry	5
ECON 101	Applied Macroeconomics	3
<b>Credits</b>		<b>15</b>

**Third Year**

<b>Fall</b>		
GENERAL EDUCATION: (F2) Humanities – Philosophical and Religious Perspectives		3
NUFD 381	Applied Nutrition in the Lifecycle	3
NUFD 382	Advanced Nutrition	4
NUFD 383	Applied Community Nutrition	3
Free Elective		3
<b>Credits</b>		<b>16</b>

<b>Spring</b>		
BIOL 254	Applied Microbiology	3
GENERAL EDUCATION: (F1) Humanities – Great Works and Their Influences		3
GENERAL EDUCATION: (G) Computer Science		3
GENERAL EDUCATION: (K1) Social Science – American and European History		3
GENERAL EDUCATION: (K2) Social Science – Global Cultural Perspectives		3
<b>Credits</b>		<b>15</b>

**Fourth Year**

<b>Fall</b>		
GENERAL EDUCATION: (D) Fine and Performing Arts		3
GENERAL EDUCATION: (J) Physical Education		1
NUFD 412	Nutrition Education Techniques	3
NUFD 450	Quantity Food Applications	3
NUFD 482	Nutrition Counseling	3
NUFD 490	Nutrition and Food Science Professional Seminar	1
<b>Credits</b>		<b>14</b>
<b>Spring</b>		
NUFD 404	Introduction to Research	3

NUFD 452	Organization and Management of Foodservice Systems	3
NUFD 488	Medical Nutrition Therapy	4
NUFD 499	Medical Nutrition Applications	3
Free Elective		1
<b>Credits</b>		<b>14</b>
<b>Total Credits</b>		<b>120</b>