

NUTRITION AND FOOD SCIENCE - SUSTAINABLE FOOD SYSTEMS (B.S.)

Issues of sustainability and the environment, adequate food supply for the future, growing rates of hunger, malnutrition, and food insecurity, all set against the backdrop of increasingly knowledgeable and demanding consumers in both international and local markets are among the many challenges that are confronting the globalizing food system in the 21st century. This program is designed to provide tomorrow's leaders with the skills and knowledge they will need to manage these challenges and to foster the creation of a sustainable food system locally and globally. Students will gain a holistic knowledge base, enriched with practical training and experiences, to prepare them for careers in the food systems field, including:

- Food service and management
- Supply chain management and alternative distribution, such as farm-to-school/institution networks
- Food policy
- Food education and outreach
- Food production and processing
- Retail and wholesale
- International development
- Community and non-profit organizations

This concentration can also serve as the first part of an accelerated BS/MS program (<http://catalog.montclair.edu/programs/nutrition-food-science-combined-bs-ms/>). Contact nufs@montclair.edu for more information about this option.

For details about this program, including program description, admission requirements, and contact information, click here (<https://www.montclair.edu/academics/programs/bs-nutrition-and-food-science/>).

Degree Requirements Overview

Code	Title	Credits
	New Student Seminar	1
	SEEDS General Education Requirements	21-24
	Major Requirements	49
	Free Electives	49-46
Total Credits		120

Major Requirements

Code	Title	Credits
Nutrition and Food Science Core		
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 404	Introduction to Research	3

Concentration Requirements	
Complete Concentration Requirements below.	53
Total Credits	68

Sustainable Food Systems Concentration

Code	Title	Credits
Required Courses		
NUFD 299	Professional Development for Careers in Nutrition, Food Science and Wellness	3
NUFD 376	Quantity Food Purchasing and Production	3
NUFD 409	Internship in Nutrition and Food Science	3
NUFD 452	Organization and Management of Foodservice Systems	3
NUFD 476	Food Ethics, Sustainability and Alternatives	3
NUFD 492	Food Systems and Agribusiness Issues	3
Culinary Laboratory Electives		
Complete two courses from the following:		6
NUFD 310	International Cultures and Cuisines	
NUFD 353	Catering and Banquet Management	
NUFD 387	Edible Innovations: Emerging Food Technologies	
NUFD 426	Fundamentals of Healthy Cuisine	
NUFD 450	Quantity Food Applications	
Required Electives		
Complete one course from the following:		3
NUFD 202	Food in World History	
NUFD 286	Gender in Food and Nutrition Issues	
NUFD 465	Urban Agriculture and Sustainable Food Systems	
NUFD 470	Special Topics in Nutrition and Food Science	
NUFD 494	Concepts of the Sommelier	
Collateral Courses		
CHEM 113	Fundamentals of Chemistry	4
STAT 109	Statistics	3
Total Credits		34

New Student Seminar

Code	Title	Credits
Students in the Adult Learner program must take GNED 100.		
Complete one course from the following. Some courses may be restricted by major. Consult with an academic advisor.		1
ADVS 198	Pathways to Success	
CHEM 190	Freshman Seminar in Chemistry	
FYS 100	First Year Seminar	
GNED 100	Adult Academic Success Seminar	
GNED 199	New Student Seminar	
HPEM 199	Freshman Seminar in Health and Physical Education	
IDS 155	Pathways to Adult Learning	
JUST 199	New Student Seminar	
MATH 102	New Student Experience for Mathematical Sciences	
MUGN 199	Freshman Seminar for Music Majors	

NURS 199 Introduction to Nursing

POLS 199 Freshman Seminar in Political Science and Law

SEEDS General Education Requirements

Click here for a list of courses that fulfill the SEEDS requirements. (<http://catalog.montclair.edu/programs/seeds-general-education-requirements/>)

Code	Title	Credits
Foundations		
<i>Effective Writing I</i>		
	Complete one Effective Writing I course.	3
<i>Effective Writing II</i>		
	Complete one Effective Writing II course.	3
<i>Interactive Communication</i>		
	Complete one Interactive Communication course.	3
<i>Quantitative Reasoning</i>		
	Fulfilled by STAT 109 in the major	
<i>Political and Civic Life</i>		
	Complete one Political and Civic Life course.	3
<i>World Language</i>		
	Complete two sequential classes in one World Language when starting at the Beginner I or Beginner II level. Complete one class when starting at the Intermediate/Advanced Level.	3-6
Exploration		
	Complete one course from four different Exploration categories:	6
<i>Analyzing Cultures and Societies</i>		
	Fulfilled by NUFD 153 in the major.	
<i>Creative Expression</i>		
<i>Ethical Inquiry</i>		
<i>Historical Thinking</i>		
<i>Literary and Artistic Analysis</i>		
<i>Scientific Reasoning</i>		
	Fulfilled by NUFD 192 in the major.	
Total Credits		21-24

Recommended Roadmap to Program of Study Completion

This recommended degree plan is provided as an outline for students to follow in order to complete their program of study requirements within **four years** and 120 credits. This plan is a recommendation and must be used in consultation with their academic advisor. Important note: Students should be aware this plan assumes no pre-requisite coursework is required. If pre-requisite coursework is needed, students may have additional requirements to fulfill which do not appear on the plan.

First Year

Fall	Credits Spring	Credits
New Student Seminar	1 NUFD 153 (Fulfills SEEDS: Exploration 1 – Analyzing Cultures and Societies)	3
SEEDS: Effective Writing I	3 NUFD 192 (Fulfills SEEDS: Exploration 2 - Scientific Reasoning)	4

NUFD 130	1 STAT 109 (Fulfills SEEDS: Quantitative Reasoning)	3
NUFD 150	3 Free Elective	3
CHEM 113	4 Free Elective	2
Free Elective	3	
15		15

Second Year

Fall	Credits Spring	Credits
SEEDS: Interactive Communication	3 SEEDS: World Language 1	3
SEEDS: Effective Writing II	3 SEEDS: Political and Civic Life	3
NUFD 240	1 SEEDS: Exploration 3	3
Free Elective	4 Free Elective	3
Free Elective	4 Free Elective	3
15		15

Third Year

Fall	Credits Spring	Credits
SEEDS: Exploration 4	3 SEEDS: World Language 2	3
NUFD 299	3 NUFD 452	3
NUFD 376	3 Required Elective course	3
Free Elective	3 Free Elective	3
Free Elective	3 Free Elective	3
15		15

Fourth Year

Fall	Credits Spring	Credits
NUFD 404	3 NUFD 409	3
NUFD 492	3 NUFD 476	3
Culinary Laboratory Elective	3 Culinary Laboratory Elective	3
Free Elective	3 Free Elective	3
Free Elective	3 Free Elective	3
15		15

Total Credits 120