

NUTRITION, BA

Degree: Bachelor of Arts (BA)

Major: Nutrition

Program Overview

The undergraduate degree in nutrition is appropriate for students who wish to:

- pursue graduate programs in nutritional biochemistry, dietetics, public health and community nutrition or other biomedical sciences
- enter professional schools of dentistry, medicine, physical therapy, or pharmacy
- apply to dietetic internships or approved experience programs in order to prepare for the professional practice of dietetics
- pursue careers with the government or in the food or pharmaceutical industry

This major offers flexibility in course selection within a framework of general program requirements. The selection of courses depends on the student's choice of emphasis. Students wishing to qualify for admission to professional or graduate programs need to include specific courses considered prerequisites for admission.

The BA in Nutrition differs from the BS in Nutrition in 1 aspect: it does not require Principles of Chemistry Laboratory (CHEM 113) or Statistics.

This degree program offers the opportunity to study the Science of Nutrition in a more flexible way than the BS program. It is particularly well-suited for students who wish to complete a double major, or who are interested in a dual-degree program.

Didactic Program in Dietetics

Students interested in applying to dietetic internships must meet specific course requirements (Didactic Program in Dietetics) as required by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics. These requirements are met in the courses that comprise the Didactic Program in Dietetics (DPD). A department advisor should be consulted in the first year to plan the dietetics coursework.

The DPD at Case Western Reserve University is currently granted Accreditation by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, 800.877.1600.

Undergraduate Policies

For undergraduate policies and procedures, please review the Office of Undergraduate Studies section of the General Bulletin.

Accelerated Master's Programs

Undergraduate students may participate in accelerated programs toward graduate or professional degrees. For more information and details of the policies and procedures related to accelerated studies, please visit the Office of Undergraduate Studies section of the General Bulletin.

Program Requirements

Students seeking to complete this major and degree program must meet the general requirements for bachelor's degrees and the general requirements of the College of Arts and Sciences. Students completing this program as a secondary major while completing another undergraduate degree program do not need to satisfy the latter set of requirements.

Code	Title	Hours
Required Nutrition Courses		
NTRN 201	Nutrition	3
NTRN 342	Food Science	3
NTRN 342L	Food Science Lab	2
NTRN 343	Dietary Patterns	3
NTRN 363	Human Nutrition I: Energy, Protein, Minerals	3
NTRN 364	Human Nutrition II: Vitamins	3
NTRN 397	SAGES Capstone Proposal Seminar	3
NTRN 398	SAGES Senior Capstone Experience	3
Nutrition Electives		
Choose two of the following:		6
NTRN 300	Healthy Lifestyles as Preventive Medicine	
NTRN 328	Child Nutrition, Development and Health	
NTRN 338	Dietary Supplements	
NTRN 341	Food as Medicine: How what we eat influences how we feel, think, and our health status	
NTRN 351	Food Service Systems Management	
NTRN 360	Clinical Assessment and Diagnosis: Nutritional, Functional, Physical	
NTRN 361	Metabolic Dysregulation of Energy from Obesity to Anorexia	
NTRN 362	Exercise Physiology and Macronutrient Metabolism	
NTRN 365	Nutrition for the Prevention and Management of Disease: Pathophysiology	
NTRN 366	Nutrition for the Prevention and Management of Disease: Clinical Applications	
NTRN 367		
NTRN 371	Special Problems *	
NTRN 388	Seminar in Sports Nutrition	
NTRN 390	Undergraduate Research *	
NTRN 435	Nutrition during Pregnancy	
NTRN 436	Pediatric Nutrition	
NTRN 437	Nutrition Communication, Counseling and Behavior Change Strategies	
NTRN 438	Dietary Supplements	
NTRN 439	Food Behavior: Physiological, Psychological and Environmental Determinants	
NTRN 440	Nutrition for the Aging and Aged	
NTRN 452	Nutritional Biochemistry and Metabolism	
NTRN 550A	Advanced Community Nutrition	
	or NTRN 528 Introduction to Public Health Nutrition	
Additional Required Courses		
CHEM 105	Principles of Chemistry I	3
CHEM 106	Principles of Chemistry II	3

CHEM 223	Introductory Organic Chemistry I	3
BIOC 307	Introduction to Biochemistry: From Molecules To Medical Science	4
BIOL 214	Genes, Evolution and Ecology	3
BIOL 216	Development and Physiology	3
or BIOL 340 & BIOL 346	Human Physiology and Human Anatomy	
BIOL 216L	Development and Physiology Lab	1
Total Hours		49

* Only one of these courses is permitted.
400 level courses require instructor consent for undergraduates to enroll.

or STAT 243	Statistical Theory with Application I
or STAT 312	Basic Statistics for Engineering and Science
or STAT 313	Statistics for Experimenters

Two NTRN Electives **	6
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Total Hours	61-62
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* Please contact DPD Director in Department of Nutrition to confirm DPD courses and other requirements.

** Undergraduate students = Two 3-credit 300-level + NTRN Dept. courses; Master's students = Two 3-credit 400-level+ NTRN Dept. courses; excluding NTRN 341.

Didactic Program in Dietetics (DPD)

The following courses must be included in the program*:

Code	Title	Hours
Required Courses		
NTRN 201	Nutrition	3
NTRN 337	Nutrition Communication, Counseling and Behavior Change Strategies	3
or NTRN 437	Nutrition Communication, Counseling and Behavior Change Strategies	
NTRN 342	Food Science	3
NTRN 342L	Food Science Lab	2
NTRN 343	Dietary Patterns	3
NTRN 351	Food Service Systems Management	3
or NTRN 451	Food Service Systems Management	
NTRN 363	Human Nutrition I: Energy, Protein, Minerals	3-4
or NTRN 433	Advanced Human Nutrition I	
NTRN 364	Human Nutrition II: Vitamins	3
or NTRN 434	Advanced Human Nutrition II	
NTRN 365	Nutrition for the Prevention and Management of Disease: Pathophysiology	4
NTRN 550A	Advanced Community Nutrition	3
or NTRN 528	Introduction to Public Health Nutrition	
BIOC 307	Introduction to Biochemistry: From Molecules To Medical Science	4
BIOL 216	Development and Physiology	3
or BIOL 340	Human Physiology	
or BIOL 346	Human Anatomy	
BIOL 343	Microbiology	3
CHEM 223	Introductory Organic Chemistry I	3
ENGL 150	Expository Writing (or SAGES Writing Portfolio)	3
SOCI 101	Introduction to Sociology	3
ANTH 215	Health, Culture, and Disease: An Introduction to Medical Anthropology	3
or SOCI 311	Health, Illness, and Social Behavior	
ANTH 319	Introduction to Statistical Analysis in the Social Sciences	3
or PSCL 282	Quantitative Methods in Psychology	
or PQHS 431	Statistical Methods I	
or STAT 201	Basic Statistics for Social and Life Sciences	