

NUTRITION, BS

Degree: Bachelor of Science (BS)

Major: Nutrition

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.

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 Undergraduate Academics 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 Undergraduate Academics 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 Unified General Education Requirements. Students completing this program as a secondary major while completing another undergraduate degree program do not need to satisfy the school-specific requirements associated with this major.

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 three NTRN electives at the 300-level ^a		9
Additional Required Courses:		
CHEM 105	Principles of Chemistry I	3
CHEM 106	Principles of Chemistry II	3
CHEM 113	Principles of Chemistry Laboratory	2
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		54

^a Excluding NTRN 370. NTRN 452 and/or NTRN 454 may be used as the two NTRN electives.

Didactic Program in Dietetics (DPD) ^a

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
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	
<i>Choose one of the following:</i>		3
ANTH 319	Introduction to Statistical Analysis in the Social Sciences	
PSCL 282	Quantitative Methods in Psychology	
PQHS 431	Statistical Methods I	
STAT 201	Basic Statistics for Social and Life Sciences	
STAT 243	Statistical Theory with Application I	
STAT 312	Basic Statistics for Engineering and Science	
STAT 313	Statistics for Experimenters	
Two NTRN Electives ^b		6
Total Hours		58-59

a Please contact DPD Director in Department of Nutrition to confirm DPD courses and other requirements.

b Excluding NTRN 341 and NTRN 370.

Sample Plan of Study

First Year

Fall		Hours
CHEM 105	Principles of Chemistry I	3
BIOL 214	Genes, Evolution and Ecology	3
Academic Inquiry Seminar, Breadth, or Elective course ^a		3
Elective		3
Elective		3
Hours		15

Spring

NTRN 201	Nutrition	3
CHEM 106	Principles of Chemistry II	3
CHEM 113	Principles of Chemistry Laboratory	2
Academic Inquiry Seminar, Breadth, or Elective course ^a		3
Elective		3
Hours		14

Second Year

Fall		
CHEM 223	Introductory Organic Chemistry I	3
BIOL 216	Development and Physiology	3
BIOL 216L	Development and Physiology Lab	1
Breadth, or Elective course ^a		3
NTRN Elective		3
Elective		3
Hours		16

Spring

NTRN 343	Dietary Patterns	3
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STAT 201	Basic Statistics for Social and Life Sciences	3
Breadth, or Elective course ^a		3
Elective		3
Elective		3
Hours		15

Third Year

Fall

NTRN 342	Food Science	3
NTRN 342L	Food Science Lab	2
NTRN 363	Human Nutrition I: Energy, Protein, Minerals	3
Breadth, or Elective course ^a		3
Elective		3
Hours		14

Spring

NTRN 364	Human Nutrition II: Vitamins	3
NTRN 397	SAGES Capstone Proposal Seminar	3
Breadth, or Elective course ^a		3
NTRN Elective		3
Elective		3
Hours		15

Fourth Year

Fall

NTRN 398	SAGES Senior Capstone Experience	3
BIOC 307	Introduction to Biochemistry: From Molecules To Medical Science	4
Breadth, or Elective course ^a		3
Elective		3
Elective		3
Hours		16

Spring

Breadth, or Elective course ^a		3
NTRN Elective		3
Elective		3
Elective		3
Elective		3
Hours		15
Total Hours		120

a Unified General Education Requirement.