

Food and Nutrition Major

The Department of Health and Human Development offers a major in the study of food and nutrition. Students who choose the nutrition science option generally intend to pursue a health profession or research-related career such as medicine, dentistry, industry, academia, etc.

The dietetics option (p.) is designed for students wishing to become a registered dietitian. A graduate degree-level dietetic internship is required in order to be eligible to take the exam for dietetic registration. Admission to Montana State University's combined masters and internship program is on a competitive basis. Information about degree requirements can be obtained from the Health and Human Development advising office located in the Marga Hosaeus Fitness Center.

The nutrition science option (p.) is designed to prepare a student for admission to medical (allopathic or osteopathic), dental, or graduate school with an emphasis on nutrition and biochemistry.

Standards of Work

Students must receive a grade of "C" or higher in all required courses as outlined in the major.

Dietetics Option

The dietetics option at Montana State University-Bozeman is accredited as a Didactic Program in Dietetics by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, 120 S. Riverside Plaza, Suite 2190, Chicago, IL, 60606-6995, (312) 899-5400. An MSU graduate will attain a verification statement upon completion of the ACEND-accredited dietetics program curriculum with a minimum of a "C" or better in each required program course. A graduate is then eligible to apply for an ACEND-accredited dietetic internship with a master's option. Students who apply and are accepted into an internship and have completed a master's degree are eligible to take the national registration exam for dietitians. Once the individual has passed the exam, the individual has earned the credential "RD" (registered dietitian) or "RDN" (registered dietitian nutritionist) and must complete continuing education credits to maintain RD/RDN status.

The dietetics option has a strong foundation in food and nutrition, food service management, and clinical nutrition. Registered dietitians may find employment in health care facilities, industrial, school, and university food services, community nutrition services, private practice, sales for food service or health products, and other related fields.

Freshman Year	Credits	
	Fall	Spring
Choose one of the following:	3	
ANTY 101D - Anthropology and the Human Experience or SOCI 101IS - Introduction to Sociology		
Choose one of the following:	3	
COMX 111US - Introduction to Public Speaking or Any US Core		
Choose one of the following:	3-4	
HDFS 101IS - Indiv and Fam Dev: Lifespan or PSYX 100IS - Intro to Psychology		
M 121Q - College Algebra	3	
WRIT 101W - College Writing I	3	
CHMY 141 - College Chemistry I & CHMY 142 - College Chemistry I Lab		4

NUTR 221CS - Basic Human Nutrition	3	
University Core	6	
Year Total:	15-16	13

Sophomore Year	Credits	
	Fall	Spring

Choose one of the following:	3	
ACTG 201 - Principles of Financial Acct or BGEN 210 - Accounting and Finance Basics		
BIOB 160 - Principles of Living Systems	4	
CHMY 143 - College Chemistry II & CHMY 144 - College Chemistry II Lab	4	
NUTR 224 - Careers in Nutrition and Dietetics	1	
STAT 216Q - Introduction to Statistics	3	
BIOH 201 - Human Anatomy and Physiology I		5
Choose one of the following:	3	

BMGT 205 - Prof Business Communication or WRIT 201 - College Writing II or WRIT 221 - Intermediate Tech Writing		
Choose one of the following:	3	
BIOM 103IN - Unseen Universe: Microbes or BIOM 250 - Microbiology for Health Sciences: Infectious Diseases		
NUTR 226 - Food Fundamentals	3	
NUTR 227 - Food Fundamentals Lab		2
Year Total:	15	16

Junior Year	Credits	
	Fall	Spring

BIOH 211 - Human Anatomy and Physiology II	4	
CHMY 211 - Elements of Organic Chemistry & CHMY 212 - Elements of Organic Chemistry Lab	5	
NUTR 301 - Food and Culture	3	
NUTR 321 - Nutrition in the Life Cycle	3	
BCH 380 - Biochemistry & BCH 381 - Biochemistry Lab		5
HDFS 359 - Theories and Skills for the Human Services		3
HDFS 371 - Research Methods in HHD		3
NUTR 401 - Nutrition Assessment/Counsel		3
Year Total:	15	14

Senior Year	Credits	
	Fall	Spring

Choose one of the following:	3	
CHTH 317 - Health Behavior Theories or CHTH 435 - Human Response To Stress		
NUTR 322 - Food Service System Management	3	
NUTR 351 - Nutrition and Society	3	
NUTR 421 - Macronutrient Metabolism	3	
NUTR 425 - Medical Nutrition Therapy I	3	
NUTR 494 - Seminar	1	
NUTR 395 - Pract: Quant Foods Prod & Mgmt		3
NUTR 422 - Micronutrient Metabolism		3
NUTR 426 - Medical Nutrition Therapy II		3
NUTR 499 - Capstone for Dietetics		1
Choose one of the following:	3	
SFBS 451R - Sustainable Food Systems		

SFBS 445R - Culinary Marketing: Farm/Table
(summer only)

University Core	3	
Year Total:	16	16
Total Program Credits:	120	

Nutrition Science Option

The nutrition science option is designed to prepare a student for admission to medical (allopathic or osteopathic), dental, or graduate school with an emphasis on nutrition and biochemistry. A student can earn a verification statement if all dietetic course requirements are met for the ACEND-accredited Didactic Program in Dietetics. Although the nutrition science option provides a strong background for most professional schools, students must contact individual schools for specific post-baccalaureate entrance requirements.

Freshman Year	Credits	
	Fall	Spring
CHMY 141 - College Chemistry I & CHMY 142 - College Chemistry I Lab	4	
Choose one of the following:	3	
COMX 111US - Introduction to Public Speaking		
or Any US Core		
PSYX 100IS - Intro to Psychology	4	
M 161Q - Survey of Calculus	4	
CHMY 143 - College Chemistry II & CHMY 144 - College Chemistry II Lab		4
NUTR 221CS - Basic Human Nutrition		3
STAT 216Q - Introduction to Statistics		3
WRIT 101W - College Writing I		3
University Core		3
Year Total:	15	16

Sophomore Year	Credits	
	Fall	Spring
CHMY 321 - Organic Chemistry I	3	
CHMY 322 - Organic Chemistry I Lab	1	
NUTR 224 - Careers in Nutrition and Dietetics	1	
PHSX 205 - College Physics I	4	
WRIT 201 - College Writing II	3	
University Core	3	
BIOH 201 - Human Anatomy and Physiology I		5
CHMY 323 - Organic Chemistry II		3
CHMY 324 - Organic Chemistry II Lab		1
PHSX 207 - College Physics II		4
University Core		3
Year Total:	15	16

Junior Year	Credits	
	Fall	Spring
BIOB 260 - Cellular and Molecular Biology	4	
BIOH 211 - Human Anatomy and Physiology II	4	
HDFS 359 - Theories and Skills for the Human Services	3	
NUTR 321 - Nutrition in the Life Cycle	3	
BCH 380 - Biochemistry & BCH 381 - Biochemistry Lab		5

Choose one of the following:	3	
BIOH 320 - Biomedical Genetics or BIOB 375 - General Genetics		

HDFS 371 - Research Methods in HHD	3	
NUTR 401 - Nutrition Assessment/Counsel	3	
Year Total:	14	14

Senior Year	Credits	
	Fall	Spring
BIOM 360 - General Microbiology	5	
NUTR 351 - Nutrition and Society	3	
NUTR 421 - Macronutrient Metabolism	3	
Choose one of the following:	3	
NUTR 425 - Medical Nutrition Therapy I or NUTR 411 - Nutrition for Sports/Exercise		
BIOH 323 - Human Developmental Biology		4
NEUR 313 - Neurophysiology		3
NUTR 422 - Micronutrient Metabolism		3
Choose one of the following:		3
PSYX 340 - Abnormal Psychology or PSYX 380 - Memory & Cognition		
University "R" Core		3
Year Total:	14	16
Total Program Credits:	120	