

# Food and Nutrition Major

The Department of Food Systems, Nutrition, and Kinesiology offers a major in the study of food and nutrition. The undergraduate food and nutrition major offers two options: nutrition science and dietetics. The nutrition science option offers a pre-health professional curriculum that prepares students for health-related graduate programs such as medical, dental, or graduate school, while the dietetics option prepares students to sit for the Dietetic Technician Registered exam or for graduate coursework required to become a Registered Dietitian Nutritionist.

## 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. Upon completion of the program, students attain a verification statement. A graduate is then eligible to sit for the national registration exam for the Dietetic Technician, Registered (DTR) credential.

Graduates interested in pursuing the Registered Dietitian Nutritionist credential are eligible to apply for an ACEND-accredited dietetic internship and master's degree program. 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 of Registered Dietitian Nutritionist (RDN).

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

NOTE: *Enrollment in the Montana State University Didactic Program in Dietetics and/or fulfillment of specific requirements does not ensure admission into the Montana Dietetic Internship.*

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 Accounting 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: Quantity Foods Production and Management		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
<b>Total Program Credits:</b>		<b>120</b>

## Nutrition Science Option

The nutrition science option is designed to prepare a student for health-related post-baccalaureate programs such as medical, dental, or graduate school, and includes coursework in chemistry, nutrition, physics, biology, and psychology. Although the nutrition science option provides a strong background for most professional schools, students must contact individual schools for specific post-baccalaureate entrance requirements.

For students interested in the nutrition science option and pursuing graduate coursework required to obtain the Registered Dietitian Nutritionist credential, additional coursework may be added to the degree to meet those 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	
HMED 140 - Introduction to Health Professions	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
<b>Senior Year</b>	<b>Credits</b>	
	<b>Fall</b>	<b>Spring</b>
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 and 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
<b>Total Program Credits:</b>		<b>120</b>