

# Bachelor of Science in Nutrition Science

## Department of Nutrition

### 303.615.0990

Students who attain a Bachelor of Science degree with a major in Nutrition Science, will be prepared for graduate level nutrition/food science study or professional health programs (e.g. physician assistant, medical doctor, physical therapy).

Students must earn a grade of “C-” or better in all courses required for the major in order to progress through the program. Courses with grades less than “C-” will need to be repeated in order for the student to take any other courses for which the first course is a prerequisite. All general requirements of the University for a Bachelor of Science degree must be met prior to graduation. In addition, students must maintain a minimum cumulative GPA of 2.0 or higher in the NS major.

The Bachelor of Science degree with a major in Nutrition Science will not meet educational requirements for qualification as a registered dietitian nutritionist (RDN). Specific coursework from an accredited institution, an approved internship, and passing a national exam are all requirements to obtain the RDN credential.

*The Nutrition Science major is housed in the Nutrition Department. Students enrolling in the major must confer with a department advisor as soon as possible. For more information, call 303-615-0990.*

### General Studies Course Requirements

<u>Quantitative Literacy (3 hours required for graduation; 4 hours required by major):</u>	
MTH 1210 Introduction to Statistics .....	4
<u>Written Communication (6 hours required):</u>	
(Courses chosen by student) .....	6
<u>Oral Communication (3 hours required):</u>	
(Course chosen by student) .....	3
<u>Historical (3 hours required; also see Global Diversity requirement below):</u>	
(Course chosen by student) ** .....	3
<u>Arts and Humanities (6 hours required; also see Global Diversity requirement below):</u>	
(Courses chosen by student) ** .....	6
<u>Natural and Physical Sciences (6 hours required for graduation; 9 hours required by major):</u>	
BIO 1080 General Biology I .....	3
BIO 1090 General Biology Laboratory I .....	1
CHE 1800 General Chemistry I .....	4
CHE 1801 General Chemistry Laboratory I .....	1
<u>Social and Behavioral Sciences (6 hours required; also see Global Diversity requirement below):</u>	
PSY 1001 Introductory Psychology .....	3
(Courses chosen by student) ** .....	3
<u>Global Diversity (3 hours required):</u>	
Nutrition Science majors may fulfill the global diversity requirement by taking an approved course within one of the following categories: arts and humanities; historical; or social and behavioral sciences I. If a course is used to fulfill both the global diversity requirement and another general studies category, only 3 semester hours will apply to the student’s degree requirements. ....	
	(3)
<b>Total general studies hours for major .....</b>	<b>37</b>

## Nutrition Science Major for Bachelor of Science

REQUIRED COURSES	SEMESTER HOURS
BIO 1081 General Biology II	3
BIO 1091 General Biology II Lab	1
BIO 2310 Human Anatomy and Physiology I	4
BIO 2320 Human Anatomy and Physiology II	4
CHE 1810 General Chemistry II	4
CHE 1811 General Chemistry II Lab	1
CHE 3100 Organic Chemistry I	4
CHE 3120 Organic Chemistry I Lab	1
CHE 3110 Organic Chemistry II	4
CHE 3130 Organic Chemistry II Lab	1
CHE 4310 Biochemistry I	4
MTH 1110 College Algebra for Calculus	3
MTH 1120 College Trigonometry	3
NUT 2040 Introduction to Nutrition	3
NUT 3150 Advanced Nutrition – Macronutrients	3
NUT 3160 Advanced Nutrition – Micronutrients	3
NUT 4200 Lifecycle Nutrition for Majors	3
NUT 4800 Medical Nutrition Therapy I	4
PHY 2010 College Physics I	4
PHY 2030 College Physics I Lab	1
PHY 2020 College Physics II	4
PHY 2040 College Physics II Lab	1

SELECT TWO OF THE FOLLOWING:	SEMESTER HOURS
NUT 3200 Nutrition & Sports Performance	3
NUT 3300* Cultural Aspects of Nutrition	3
NUT 3350 Global Nutrition and Health	3
NUT 3400 Nutrition and Weight Management	3
NUT 3500 Food Safety	3
NUT 3700 Nutrition Education and Counseling	3
<b>Total hours for major</b>	<b>69</b>

\* This course satisfies the Multicultural requirement.

\*\*One of these courses must satisfy the Global Diversity requirement.

### SUGGESTED ELECTIVES INCLUDE:

BIO 2400	General Microbiology (required for some grad level food science programs)
BIO 3050	Cell and Molecular Biology
BIO 3600	General Genetics
CHE 4960	Senior Experience in Biochemistry
HON 4950	Senior Honors Thesis
MTH 1410	Calculus (required for many grad level food science programs)
NUT 4720	Pre-Professional Seminar

\*Electives must include 5 credit hours of upper division coursework and coursework satisfying the Senior Experience graduation requirement.

### Degree Totals:

Credit hours for major	69
Credits hours for general studies	37
Credit hours for electives	14

Total Credit Hours ..... 120

### **What Can I do with A Bachelor’s Degree in NUTRITION SCIENCE?**

**PUBLIC HEALTH NUTRITION:** Work to safeguard the health of groups of people by working in federal, state, and local government agencies, such as Peace Corps and WIC or private public health programs

**INDUSTRY:** Work with food and nutrition-oriented companies to formulate new food products, develop marketing campaigns, and provide health programs

**CONSULTING:** Build your own health and nutrition business providing nutritional counseling, education and programming, writing and communications

**TEACHING:** Provide nutrition education in community, wellness, school and healthcare settings.

**ADVANCED DEGREE:** Pursue advanced post-graduate study in Food Science, Nutrition Science, Medical School, Physician Assistant programs, etc.

**RESEARCH:** Work in nutrition and/or health research including research program management or grant writing.

**For more information, please visit [msudenver.edu/nutrition](http://msudenver.edu/nutrition) or schedule an appointment with a nutrition advisor 303-615-0990**