

# Human Nutrition - Dietetics

## Department of Nutrition

### 303.615.0990

Students who attain a Bachelor of Science degree with a major in Human Nutrition – Dietetics will be prepared for traditional, non-traditional, and entrepreneurial positions in health care that utilize knowledge of nutrition. Professionals trained in nutrition have numerous career options due to the growing emphasis on nutrition, health and wellness.

The Human Nutrition – Dietetics Major includes a didactic program in dietetics (DPD) which has been granted Accreditation by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, 312-899-0040 ext. 5400, [acend@eatright.org](mailto:acend@eatright.org). Completion of a DPD program is one step required in the process for becoming a registered dietitian (RD). To become a registered dietitian, students must also apply for and complete an accredited internship program and pass a national examination administered by the Commission on Dietetic Registration.

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 and major GPA of 2.5.

*The Human Nutrition – Dietetics 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>		
ENG	1010 Composing Arguments .....	3
ENG	1020 Freshman Composition: Analysis, Research, and Documentation .....	3
<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):</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	1100 Principles of Chemistry .....	4
CHE	1150 Principles of Chemistry Laboratory .....	1
<u>Social and Behavioral Sciences I (3 hours required):</u>		
SOC	1010 Introduction to Sociology .....	3
<u>Social and Behavioral Sciences II (3 hours required):</u>		
ECO	2020 Principles of Microeconomics .....	3
<u>Global Diversity (3 hours required):</u>		
It is recommended that students choose a course in the Historical General Studies category that also fulfills the Global Diversity requirement. Refer to the catalog for appropriate courses.		
<b>Total general studies hours for major .....</b>		<b>37</b>

## Human Nutrition – Dietetics Major for Bachelor of Science

REQUIRED COURSES .....		SEMESTER HOURS
BIO	2310 Human Anatomy and Physiology I .....	4
BIO	2320 Human Anatomy and Physiology II .....	4
CHE	2100 Introduction to Organic and Biological Chemistry .....	5
HCM	3010 Health Care Organization .....	3
HCM	3020 Management Principles in Health Care .....	3
HTE	1533 Food Fundamentals.....	3
HTE	1603 Food Science.....	3
HTE	2613 Food Production and Service I.....	3
HTE	3603 Labor and Production Control.....	3
NUT	1800 Careers in Nutrition & Dietetics .....	1
NUT	2040 Introduction to Nutrition.....	3
NUT	3140 Human Nutrition .....	3
NUT	3290 Lifecycle Nutrition for Majors .....	3
NUT	3300* Cultural Aspects of Nutrition .....	3
NUT	3400 Nutrition and Weight Management.....	3
NUT	3500 Food Safety .....	3
NUT	3700 Nutrition Education and Counseling .....	3
NUT	4100 Advanced Human Nutrition.....	3
NUT	4210 Community Nutrition .....	3
NUT	4700 Medical Nutrition Therapy I.....	3
NUT	4720 Pre-Professional Seminar in Nutrition and Dietetics (Senior Experience).....	3
NUT	4750 Medical Nutrition Therapy II .....	3
<b>Total hours for major .....</b>		<b>68</b>

\* This course satisfies the Multicultural Requirement and is also a required course for this major.

### What Can I do with A Bachelor's Degree in NUTRITION?

**CLINICAL:** Work to safeguard health and change nutrition behaviors in settings such as: hospitals, clinics, nursing homes, diabetes care clinics, and exercise and fitness centers

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

**FOOD SERVICE MANAGEMENT:** Provide leadership in the hospitals, schools, and restaurants in: Menu development & planning, budgeting, purchasing, management

**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 & communications

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

**For More Information, Contact a Nutrition Program Advisor by calling 303-352-7008**  
<http://www.msudenver.edu/nut>

# Course Sequence for a Major in Human Nutrition – Dietetics

\*Requirements are subject to change, see an advisor

First Year		
Courses	Hours	
<b>Fall</b>		
ENG 1010, Composing Arguments (GS-Written Communication)	3	
MTH 1210, Introduction to Statistics (GS-Quantitative Literacy)	4	
BIO 1080, General Biology I (GS-Natural and Physical Sciences)	3	
BIO 1090, General Biology Laboratory I (GS-Natural and Physical Sciences)	1	
HTE 1533, Food Fundamentals	3	
<b>Spring</b>		
NUT 1800, Careers in Nutrition & Dietetics		1
ENG 1020, Freshman Composition: Analysis, Research, and Documentation (GS-Written Communication)		3
Oral Communication Requirement (GS-Oral Communication)		3
HTE 1603, Food Science		3
CHE 1100, Principles of Chemistry (GS-Natural and Physical Sciences)		4
CHE 1150, Principles of Chemistry Laboratory (GS-Natural and Physical Sciences)		1
	<b>Total</b>	<b>14 15</b>

Second Year		
Courses	Hours	
<b>Fall</b>		
NUT 2040, Introduction to Nutrition	3	
ECO 2020, Principles of Microeconomics	3	
BIO 2310, Human Anatomy and Physiology I	4	
HTE 2613, Food Production and Service I	3	
HCM 3010, Health Care Organization	3	
<b>Spring</b>		
NUT 3400, Nutrition and Weight Management		3
CHE 2100, Introduction to Organic and Biological Chemistry		5
BIO 2320, Human Anatomy and Physiology II		4
SOC 1010, Introduction to Sociology GS-Social and Behavioral Sciences I		3
	<b>Total</b>	<b>16 15</b>

Third Year		
Courses	Hours	
<b>Fall</b>		
Arts and Humanities Requirement (GS-Arts and Humanities)	3	
Historical Requirement (GS-Historical; recommended to select course that also meets Global Diversity requirement)	3	
NUT 3140, Human Nutrition	3	
NUT 3300, Cultural Aspects of Nutrition (Multicultural)	3	
NUT 3700, Nutrition Education and Counseling	3	
<b>Spring</b>		
NUT 3500, Food Safety		3
NUT 3290, Lifecycle Nutrition for Majors		3
Arts and Humanities Requirement (GS-Arts and Humanities)		3
HCM 3020, Management Principles in Health Care		3
HTE 3603, Labor and Production Control		3
	<b>Total</b>	<b>15 15</b>

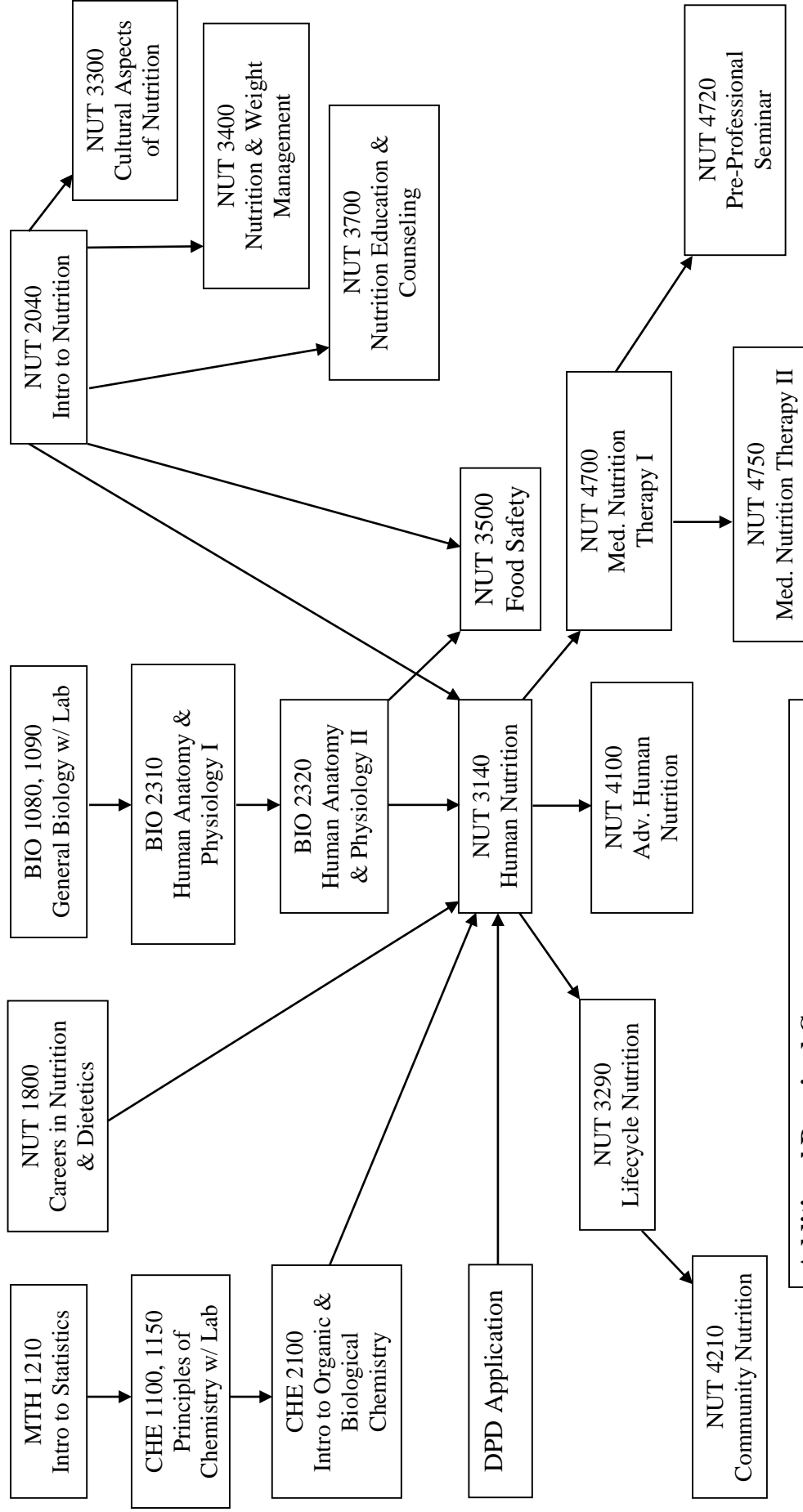
Fourth Year		
Courses	Hours	
<b>Fall</b>		
NUT 4720, Pre-Professional Seminar in Nutrition and Dietetics (Senior Experience)	3	
NUT 4100, Advanced Human Nutrition	3	
NUT 4700, Medical Nutrition Therapy I	3	
Electives	6	
<b>Spring</b>		
NUT 4750, Medical Nutrition Therapy II		3
NUT 4210, Community Nutrition		3
Electives		9
	<b>Total</b>	<b>15 15</b>

Written Communication (first 3 credits), Oral Communication, and Quantitative Literacy requirements must be completed within the first 30 credits. The remaining 3 credits of Written Communication coursework must be completed within the first 45 credits. All General Studies requirements must be completed within the first 90 credits.

**Suggested Elective Options include:**

NUT 3200-3	Nutrition and Sports Performance
NUT 3980	Internship
BIO 3340-3	Endocrinology (prerequisites: BIO 1081, 1091; CHE 1800, 1810, 1850, 3100)
BIO 3350-4	Immunology (prerequisites: BIO 1081, 1091; CHE 1800, 1810, 1850, 3100)
ITP 1700-2	Medical Terminology
ITP 3200-3	Ethics in Health Care
ITP 4600-4	Clinical Pathophysiology
HPS 1640-2	Physical Fitness Techniques and Programs
HPS 3340-3	Physiology of Exercise (prerequisite: HPS 1640)
THE 3623-3	Food Production and Service II

# HND Degree Pathway



**Additional Required Courses**

HCM 3010- Health Care Organization  
 HCM 3020\*- Management Principles in Healthcare  
 HTE 1533- Food Fundamentals  
 HTE 1603\*- Food Science  
 HTE 2613\*- Food Production and Service 1  
 HTE 3603- Labor and Production Control  
 SOC 1010- Intro to Sociology  
 ECO 2020\*- Principles of Microeconomics  
 \*Pre-requisites required

**Note:** If pursuing a master's degree, additional coursework may be required. For example, a master's degree in Nutrition Science generally requires general chemistry (CHE 1800, 1810, 1850), organic chemistry (CHE 3100), and biochemistry (CHE 4310). Please consult with the master's degree program for requirements and a nutrition advisor for substituting those courses in the HND degree.