

Nutrition, Nutrition Honors: Dean's Scholars Honors Program, Polymathic Scholars, and Health Science Scholars Programs (BSNtr)

Degree - Bachelor of Science in Nutrition (BSNtr)

Nutrition is an integrative science with the overall objective of improving the health and well-being of individuals and groups. Nutritional inquiry encompasses not only the roles of electrons, atoms, molecules, genes, cells, organs, and complex organisms in biological life processes but also the links between life science and health, behavior, education, population, culture, and economics.

The nutritional sciences programs require courses in science and research to prepare students for graduate study or professional school. Graduates may seek employment in private or publicly funded research programs or, upon completion of graduate study, may engage in college or university teaching or nutrition research. This program also allows students to fulfill requirements for postgraduate study in medicine, dentistry, and other health professions.

Concentration-Nutrition Honors: Dean's Scholars Honors Program, Polymathic Scholars, and Health Science Scholars Programs

The key features of the program are a first-semester research methods course; a breadth requirement, usually completed during the first four semesters, that exposes students to various forms of scientific inquiry; and at least two semesters of supervised research and writing that culminate in an honors thesis.

In addition to taking a core of research, writing, and seminar courses in the College of Natural Sciences, students consult with the departmental honors advisor to develop a coherent individual program of rigorous and challenging courses from across the University.

Admission

Application to the Dean's Scholars Honors Program is separate from, and in addition to, application to the University. Application materials and information about deadlines are available in the program office and on the [Dean's Scholars website](#). Students may enter the program as freshmen or as college transfers prior to their fourth long semester of enrollment at the University.

Factors in the admission decision are the student's high school and/or University grades, class rank, the rigor of the courses the student has taken, the quality of the required application essays, a strong recommendation from a mathematics or science instructor, and

the student's interest in mathematics and/or scientific research as demonstrated by extracurricular activities.

Total Hours Required: 126

Plan of Study

The Plan of Study is a suggested four-year course sequence to support academic planning and serves as a helpful guide. Currently enrolled students should meet with their academic advisor to tailor their course selections and timelines to their individual goals and circumstances.

Course	Title	Hours
Year 1		
Semester 1		
CH 301C	Foundations of Chemistry I	3
CH 104M	Introduction to Chemical Practice I	1
BIO 315H	Advanced Introduction to Genetics: Honors	3
M 408D	Sequences, Series, and Multivariable Calculus	4
RHE 306	Rhetoric and Writing	3
First-Year Signature Course (090) approved by departmental advisor		3
Hours		17
Semester 2		
CH 302C	Foundations of Chemistry II	3
CH 104N	Introduction to Chemical Practice II	1
BIO 325H	Genetics: Honors	3
NTR 312H	Introduction to Nutritional Sciences: Honors	3
NTR 126L	Nutritional Sciences Laboratory	1
Visual and Performing Arts (050)		3
NTR 312R	Research in Nutritional Sciences	3
Hours		17
Year 2		
Semester 1		
CH 320M	Organic Chemistry I	3
NTR 307	Introductory Food Science	3
NTR 107L	Introductory Food Science Laboratory	1
NTR 317L	Introduction to Nutrition Assessment and Education	3
Hours chosen from: Liberal Arts/Fine Arts		3
Hours chosen from: Liberal Arts/Fine Arts		3
Hours		16
Semester 2		
SDS 302F or SDS 320E	Foundations of Data Analysis (designated for honors) or Elements of Statistics	3
PSY 301	Introduction to Psychology (see requirements below for choices)	3
CH 320N	Organic Chemistry II	3
NTR 326	Intermediate Nutrition and Metabolism	3
Humanities (040)		3
Hours		15
Year 3		
Semester 1		
NTR 365.2 or NTR 365.4	Nutrition and Genes or Obesity and Metabolic Health	3
NTR 366L	Research Methods in Nutritional Sciences	3
BCH 369	Fundamentals of Biochemistry	3
RHE 309S	Critical Reading and Persuasive Writing	3
American and Texas Government (070)		3
Hours		15
Semester 2		
NTR 338H	Issues in Nutrition and Health: Honors	3
INB 446L	Human Microscopic and Gross Anatomy	4
American and Texas Government (070)		3
NTR 355H	Honors Research	3
NTR 339L	Experimental Methods and Design in Nutritional Sciences	3
Hours		16

Year 4		
Semester 1		
NTR 355H	Honors Research	3
NTR 342	Advanced Nutritional Sciences	3
Additional Hours chosen from: Honors-or approved biology, chemistry, computer science, mathematics, statistics and data sciences, or physics		3
<u>U.S. History (060)</u>		3
NTR 379H	Honors Tutorial Course	3
Hours		15
Semester 2		
NTR 379H	Honors Tutorial Course	3
NTR 343	Vitamins and Minerals	3
<u>U.S. History (060)</u>		3
INB 365S	Human Systems Physiology	3
NTR 338W	Issues in Nutrition and Health	3
Hours		15
Total Hours		126

Requirements

All requirements are listed below, starting with the most specialized moving to the most general. Additional requirements may follow the table, so be sure to read the entire page. Some required courses listed below may also satisfy General Education requirements, including Core Curriculum.

Code	Title	Hours
Concentration		
Honors Breadth Requirement (Credit earned by examination may not be counted toward this requirement)		
SDS 320H	Elements of Statistics: Honors	3
Hours chosen from: Coursework from the College of Liberal Arts and/or the College of Fine Arts		6
Hours chosen from: Coursework approved by the departmental honors advisor		10
SDS 324E	Elements of Regression Analysis	3
Hours chosen from:		3
PSY 301	Introduction to Psychology	
SOC 302	Introduction to the Study of Society	
ANT 302	Cultural Anthropology	
ECO 304K	Introduction to Microeconomics	
ECO 304L	Introduction to Macroeconomics	
OR Choose a sequence below:		
Sequence 1: Non-honors		
HDF 313	Child Development	
HDF 113L	Child Development Laboratory	
Sequence 2: Honors		
HDF 313H	Child Development: Honors	
HDF 113L	Child Development Laboratory	
CH 320N	Organic Chemistry II	3
INB 446L	Human Microscopic and Gross Anatomy	4
NTR 366L	Research Methods in Nutritional Sciences	3
NTR 365	Selected Topics in Nutritional Sciences (any topic)	3
<u>First-Year Signature Course (090)</u> must be approved by the departmental honors advisor		3
NSC 109.1	Planning Your Capstone Experience	1
or NSC 109.2	Health Science Scholars Capstone Experience Preparation	
or NSC 109.4	Polymathic Capstone Field Invention	
Choose a sequence below:		6

Sequence 1:

NTR 355H	Honors Research
NTR 379H	Honors Tutorial Course

Sequence 2:

NSC 323	Natural Sciences Topics
NSC 371	Capstone Thesis Seminar

Subtotal **48**

Degree (see details below) **55**

Free electives: Additional coursework to reach total hours required. 0

Subtotal **55**

General Education

Remaining Core Curriculum (42 hours total) **23**

Foreign Language other than English, Beginning Proficiency

Subtotal **23**

College Requirements - Natural Sciences

General University Requirements

Total Hours **126**

Degree - Bachelor of Science in Nutrition (BSNtr)

Code	Title	Hours
Major		
Students must complete each course with a grade of at least C-		
<i>Basic Nutrition</i>		
NTR 312	Introduction to Nutritional Sciences	3
or NTR 312H	Introduction to Nutritional Sciences: Honors	
<i>Biochemistry</i>		
NTR 126L	Nutritional Sciences Laboratory	1
NTR 326	Intermediate Nutrition and Metabolism	3
NTR 342	Advanced Nutritional Sciences	3
NTR 343	Vitamins and Minerals	3
<i>Food Science</i>		
NTR 307	Introductory Food Science	3
NTR 107L	Introductory Food Science Laboratory	1
<i>Nutrition Application</i>		
NTR 317L	Introduction to Nutrition Assessment and Education	3
<i>Critical Thinking</i>		
NTR 339L	Experimental Methods and Design in Nutritional Sciences	3
NTR 338W	Issues in Nutrition and Health	3
or NTR 338H	Issues in Nutrition and Health: Honors	
<i>Subtotal</i>		26
Degree		
<i>Biology</i>		
BIO 311C	Introductory Biology I	3
BIO 311D	Introductory Biology II	3
Choose a sequence below:		3
Sequence 1: Non-honors		
BIO 325	Genetics	
Sequence 2: Honors		
BIO 315H	Advanced Introduction to Genetics: Honors	
BIO 325H	Genetics: Honors	
INB 365S	Human Systems Physiology	3
<i>Chemistry</i>		

Choose a sequence below:	6
Sequence 1: Non-honors	
CH 301	Principles of Chemistry I
CH 302	Principles of Chemistry II
Sequence 2: Honors	
CH 301C	Foundations of Chemistry I
CH 302C	Foundations of Chemistry II
Choose a sequence below:	2
Sequence 1:	
CH 104M	Introduction to Chemical Practice I
CH 104N	Introduction to Chemical Practice II
Sequence 2:	
CH 204	Introduction to Chemical Practice
CH 320M	Organic Chemistry I
	3
<i>Biochemistry</i>	
BCH 369	Fundamentals of Biochemistry
	3
<i>Statistics</i>	
SDS 302F	Foundations of Data Analysis
or SDS 320E	Elements of Statistics
	3
<i>Subtotal</i>	29
Total Hours	55

- all requirements for the degree of Bachelor of Science in Nutrition;
- Nutrition 379H, Honors Tutorial Course with a grade point average of at least 3.00;
- completion of an honors thesis and an accompanying presentation, both of which must be approved by a committee consisting of the research supervisor and another faculty member;
- a University grade point average of at least 3.00;
- a major, degree, and honors grade point average of at least 3.50; and
- completion at the University of at least 60 in-residence hours of coursework counted toward the degree.

Additional Requirements and Policy

Students must earn a grade of at least C- in each mathematics and science course required for the program, and a grade point average in these courses of at least 2.00.

Majors must complete at least 36 upper-division hours, including least 24 hours in nutrition. Majors must complete at least 21 hours in residence at the University, including at least 18 in-residence hours in nutrition.

Additional Requirements and Policy

NTR 338H Issues in Nutrition and Health: HonorsH can replace NTR 338W Issues in Nutrition and Health as a departmental foundation required course.

Students must remain in good standing with an overall grade point average of at least 3.30 and an overall grade point average of 3.50 in all nutritional sciences courses. In addition, student research must be presented in an approved public forum, such as the college's annual Undergraduate Research Forum. Students who fail to maintain the required grade point average may be subject to dismissal from the program. Under special circumstances and at the discretion of the nutritional sciences honors advisor, a student may be allowed to continue under academic review.

Special Honors in Nutrition

Majors who plan to seek special honors in nutrition should apply to the Departmental Honors Committee for admission to the honors program no later than the beginning of the senior year. The requirements for admission are a University grade point average of at least 3.00 and a grade point average of at least 3.50 in coursework in the School of Health and Human Sciences that is required for the degree. The statement "Special Honors in Nutrition" appears on the transcript of each graduate certified as having completed this honors program.

The requirements for graduation with special departmental honors are: