

**Department of Family and Consumer Sciences**  
**BACHELOR OF SCIENCE IN FOOD AND NUTRITIONAL SCIENCES**  
**HUMAN NUTRITION**

**Curriculum Guide Effective 2019-2020**

Student: \_\_\_\_\_

Student Banner ID: \_\_\_\_\_

Email Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Date First Enrolled: \_\_\_\_\_

Date of Last Audit: \_\_\_\_\_

Grade	Course	CR	Grade	Course	CR	
<b>Freshman Year – First Semester</b>		<b>17</b>	<b>Freshman Year – Second Semester</b>		<b>17/18</b>	
	FCS 160 Introduction to FCS	2		FCS 150 Food Prep/Meal Management	2	
	ENGL 100 Ideas and their Expression I	3		FCS 151 Food Prep/Meal Management Lab	1	
	PRE-MED (BIO 101) or NTR (BIO 100)	4		ENGL 101 Ideas and Their Expression II	3	
	MATH 111 College Alg & Trig I	4		MATH 112 Calculus for Non-Math Majors	4	
	CHEM 106 General Chemistry VI	3		CHEM 107 General Chemistry VII	3	
	CHEM 116 General Chemistry Lab	1		CHEM 117 General Chemistry Lab	1	
				PRE-MED (BIO 102) OR NTR (Gen Ed: Knowledge of African American Culture) <sup>1</sup>	4/3	
<b>Sophomore Year – First Semester</b>		<b>17</b>	<b>Sophomore Year – Second Semester</b>		<b>14</b>	
	FCS 245 Introduction to Food Science	3		FCS 157 Introduction Human Nutrition	3	
	FCS 260 Introduction to Human Development <sup>(SBS)</sup>	3		MATH 224 Intr. Probability and Statistics	3	
	CHEM 221 Organic Chemistry I	3		<b>Elective</b>	3	
	CHEM 223 Organic Chemistry I Lab	1		<b>Elective</b>	2	
	SPCH 250 Speech Fundamentals <sup>(HFA)</sup>	3		Gen Ed: Global Awareness <sup>1</sup>	3	
	BIOL 221 Basic Microbiology	4				
<b>Junior Year – First Semester</b>		<b>13/14</b>	<b>Junior Year – Second Semester</b>		<b>13/14</b>	
	CHEM 251 Elementary Biochemistry	2		FCS 346 Food Safety & Sanitation	3	
	CHEM 252 Elementary Biochemistry Lab	1		FCS 359 Maternal & Lifespan Nutrition	3	
	BIOL 350 Human Anatomy & Physiology	4		<b>FCS 352 Intermediate Nutrition</b>	<b>3</b>	
	PRE-MED (Gen Ed: Knowledge of African American Culture) OR NTR (ENG 331)	3		PRE-MED (PHYS 226/236) OR NTR (FCS 345)	4/3	
	PRE-MED (PHYS 225/235) OR NTR ( <b>FCS 316 or equivalent</b> )	4/3		NTR (Elective)	2	
<b>Senior Year – First Semester</b>		<b>15/16</b>	<b>Senior Year – Second Semester</b>		<b>12</b>	
	FCS 460 App. Research in FCS	3		FCS 461 Integrated App. To FCS <sup>2</sup>	3	
	FCS 451 Nutrition and Chronic Disease Prevention	3		FCS 498 Internship in Food and Nutritional Sciences	3	
	FCS 456 Nutrition Education	3		FCS 458 Community Nutrition	3	
	FCS 457 Advanced Nutrition	3		PRE-MED (Elective) OR NTR (Elective)	3	
	PRE-MED (BIOL 304) OR NTR ( <b>FCS 450</b> )	3/4				
					<b>TOTAL CREDIT HOURS</b>	<b>120*</b>

<sup>1</sup> See the list of approved courses which may be taken as Knowledge of African American Culture and History and Global Awareness electives.

<sup>2</sup>Capstone Course (FCS 461): This course requires 50 service learning hours

\*The Pre-Med concentration will be 121 credit hours, if the student takes a 3 credit hour elective.

## HUMAN NUTRITION CONCENTRATION MAJOR PROGRAM REQUIREMENTS

GENERAL EDUCATION REQUIREMENTS (36)	Cognate Areas		Students must earn a C or better in the courses below.
<ol style="list-style-type: none"> <li>1. <u>Written Communication (6)</u> ENGL 100 (3) ENGL 101 (3)</li> <li>2. <u>Mathematical, Logical, Analytical Reasoning (8)</u> MATH 111 (4) MATH 112 (4)</li> <li>3. <u>Scientific Reasoning (8)</u> CHEM 106 (3) CHEM 116 (1) CHEM 107 (3) CHEM 117 (1)</li> <li>4. <u>Social/Behavioral Sciences (3)</u> FCS 260 (3)</li> <li>5. <u>Humanities/Fine Arts (3)</u></li> <li>6. <u>Student Success (2)</u> FCS 160 (2)</li> <li>8. <u>Knowledge of Afrcn Amer Culture (3)</u></li> <li>8. <u>Global Awareness (3)</u></li> </ol>	<p><b>Pre-Med Cognate</b>            BIOL 101 Concepts in Biology I (4)            BIOL 102 Concepts of Biology II (4)            PHYS 225 College Physics I (3)            PHYS 235 College Physics I Lab (1)            PHYS 226 College Physics II (3)            PHYS 236 College Physics II Lab (1)            BIOL 304 Pre Medical Preparation Seminar (3)  <i>Suggested Elective:</i>  <i>PSYC 101 (3) or SOCI 100 (3)</i></p>	<p><b>Nutrition Cognate</b>            BIOL 100 Biological Sciences (4)            ENGL 331 Writing for Science or Technology  <b>FCS 316 Family Finance (3) OR equivalent (3)</b>            FCS 345 Food Chemistry (3)  <b>FCS 450 Nutrition Assessment (4)</b>  <i>Suggested Elective:</i>  <i>PSYC 101 (3) or SOCI 100 (3)</i></p>	FCS 150 Food Prep/Meal Manag FCS 151 Food Prep/Meal Manag Lab FCS 157 Intro Human Nutrition FCS 160 Introduction to FCS FCS 245 Introduction to Human Development FCS 245 Intro to Human Develop FCS 316 Family Finance or equivalent FCS 346 Food Safety & Sanitation FCS 352 Intermediate Nutrition FCS 359 Maternal & Lifespan Nutri FCS 450 Nutrition Assessment FCS 451 Nutri & Chronic Disease FCS 456 Nutrition Education FCS 457 Advanced Nutrition FCS 458 Community Nutrition FCS 460 App. Research in FCS FCS 461 Integrated App to FCS FCS 498 Internship in FNS

The **Human Nutrition** concentration is designed to provide academic preparation for students who plan to enroll in graduate and professional programs in the health science area after graduation. Students select one of the two cognate areas and must complete all requirements within that cognate. The student is held responsible for the selection of courses in conformity with the curriculum (major) of his/her choice. A student who enters the Department of Family and Consumer Sciences has the privilege of graduating under the provisions of the University Bulletin current upon admission.

The applicant for graduation must have earned a minimum of 120 semester hours, excluding deficiency and/or remedial course work, with a cumulative grade point average of 2.50 or better for all courses taken. Students in the Department of Family and Consumer Sciences must earn a minimum grade of "C" in all major courses. Student must also earn a minimum grade of "C" in the four required department core courses: FCS 160, FCS 260, FCS 460 and FCS 461. Students are expected to adhere to all course pre-requisite requirements in order to have the knowledge needed to succeed in selected courses.

The **Human Nutrition** concentration meets the academic requirements for most graduate and professional programs in the health science area. The growing emphasis on the role of nutrition in health promotion and disease prevention makes this concentration appropriate for those entering medicine or a related health field.

### Admission

Students identify the **Human Nutrition** concentration at admission to the university. However, freshmen and transfer students (within the university and from another institution) must meet the following criterion in addition to university requirements:

1. Overall cumulative grade point average of 2.50 or better at admission to the program.

### Progression Requirements

Students majoring in **Human Nutrition** concentration are considered in good academic standing by meeting the following criteria:

1. Complete courses in the sequence of the designed curriculum
2. Complete all major core courses and departmental core courses with at least a "C" grade or better.
3. Maintain a 2.50 or better grade point average by the sophomore level and complete 45 credit hours to continue progression in the program.

### Non-Progression Requirements

Students majoring in **Human Nutrition** concentration unable to meet the progression requirements stated above will be required to abide by the following action:

1. Discontinue progression in the designed curriculum with less than a 2.50 grade point average by the sophomore level and completion of 45 credit hours.

### Re-Entry Requirements

Eligibility for consideration of re-entry to the **Human Nutrition** concentration is dependent upon adherence to the program admission requirements.

### **QUESTIONS OR CONCERNS:**

See curriculum assistance from your academic advisor or the Department of Family and Consumer Sciences:

Office: 102 Benbow Hall  
 Phone: 336-334-7850  
 Fax: 336-334-7265  
 Email: fcsdept@ncat.edu

