



**NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY**  
**SCHOOL OF AGRICULTURE AND ENVIRONMENTAL SCIENCES**  
**DEPARTMENT OF FAMILY AND CONSUMER SCIENCES**  
**CURRICULUM**  
**B.S. FOOD AND NUTRITIONAL SCIENCES**  
**CONCENTRATION IN PRE-MEDICINE NUTRITION**

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
<i>FCS 160 Introduction to FCS</i> <sup>6</sup>	2	<i>HIST 201 African American History</i> <sup>4</sup>	3
<i>ENG 100 Ideas and their Expression</i> <sup>1</sup>	3	<i>ENG 101 Ideas &amp; their Expression II</i> <sup>1</sup>	3
BIOL 100 Biological Science	4	MATH 112 Calculus for Non-Math Majors <sup>2</sup>	4
<i>HPED 200 Personal Health</i>	2	Pre-Med Option <sup>8</sup>	3
MATH 111 College Alg. And Trig. I <sup>2</sup>	4	CHEM 106 General Chemistry VI <sup>3</sup>	3
<b>Total Hrs</b>	<b>15</b>	CHEM 116 General Chemistry VI Lab <sup>3</sup>	1
		<b>Total Hrs</b>	<b>17</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
CHEM 107 General Chemistry VII <sup>3</sup>	3	CHEM 221 Organic Chemistry I	3
CHEM 117 General Chemistry VII Lab	1	CHEM 223 Organic Chemistry I Lab	2
<i>ENG 201 Survey of Humanities II</i> <sup>5</sup>	3	FCS 357 Introduction to Human Nutrition	3
<i>ENG 230 World Literature I</i> <sup>5</sup>	3	FCS 260 Introduction to Human Development	3
FCS 245 Introduction to Food Science	3	ENGL 331 Writing for Science or Technology <b>OR</b>	3
MATH 224 Introduction to Probability and Statistics <b>OR</b>		BUED 360 Business Communications	
SOCI 203 Social Statistics I	3		
<b>Total Hrs</b>	<b>16</b>	<b>Total Hrs</b>	<b>14</b>

**JUNIOR YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Pre-Med Option <sup>8</sup>	3	<i>SOC 100 Principles of Sociology</i> <sup>4</sup>	3
Pre-Med Option <sup>8</sup>	2	Pre-Med Elective <sup>9</sup>	3
Pre-Med Option <sup>8</sup>	3	FCS 403 Family Finance	3
Pre-Med Option <sup>8</sup>	1	Pre-Med Option <sup>8</sup>	3
BIOL 361 Human Anatomy and Physiology	4	Pre-Med Option <sup>8</sup>	3
FCS 457 Advanced Nutrition	3	Pre-Med Option <sup>8</sup>	3
<b>Total Hrs</b>	<b>16</b>	<b>Total Hrs</b>	<b>18</b>

**SENIOR YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
FCS 452 Medical Nutritional Therapy I	4	FCS 453 Medical Nutritional Therapy II	4
FCS 359 Maternal & Lifespan Nutrition	3	FCS 458 Community Nutrition	3
CHEM 251 Elementary Biochemistry	2	Pre-Med Elective <sup>9</sup>	3
CHEM 252 Elementary Biochem Lab	1	FCS 560 An Integrated App. to FCS <sup>7</sup>	3
FCS 460 App. Research in FCS	3	Pre-Med Elective <sup>9</sup>	3
<b>Total Hrs</b>	<b>13</b>	<b>Total Hrs</b>	<b>16</b>

**TOTAL HOURS** **125**

<sup>1</sup>WRITTEN COMMUNICATION – 6 HOURS    <sup>2</sup>MATHEMATICAL, LOGICAL, ANALYTICAL REASONING– 6 HOURS  
<sup>3</sup>SCIENTIFIC REASONING - 7 HOURS    <sup>5</sup>HUMANITIES/FINE ARTS – 6 HOURS (3 GLOBAL OR AFR-AM STUDIES)  
<sup>4</sup>SOCIAL/BEHAVIORAL SCIENCES (3 GLOBAL OR AFRICAN AMERICAN STUDIES) – 9 HOURS  
<sup>6</sup>STUDENT SUCCESS – 2 HOURS  
<sup>7</sup> Capstone Course (FCS 560 ): Each student is required to take a senior level course focused on interdisciplinary perspectives. 50 volunteer hours required.  
<sup>8</sup>Pre-Med Option: each student is required to select courses from the Pre-Med Option area  
<sup>9</sup>Pre-Med Electives: each student is required to select courses (9 credits) from the Pre-Med Electives area

Food and Nutritional Sciences  
**PRE-MEDICINE NUTRITION CONCENTRATION**

The Dietetics Pre-Medicine concentration is designed to provide academic preparation for students who plan to attend medical school after graduation. Students should consult an advisor in the FNS Dietetics area to plan the appropriate sequence of courses from the options below.

I. <u>Pre-medicine Option Required Courses</u>	<u>Credits</u>
FCS 135      Food and Man's Survival	(3)
CHEM 222    Organic Chemistry II	(3)
CHEM 224    Organic Chemistry II Lab	(2)
PHY 241      General Physics	(3)
PHY 251      General Physics Lab	(1)
PHY 242      General Physics	(3)
PHY 252      General Physics Lab	(1)
FCS 640      Geriatric Nutrition	(3)
Total	19 Hours

- II. Pre-Medicine Electives (Choose 9 credit hours)
- BIOL 220      Basic Microbiology
  - BIOL 401      Molecular Biology
  - BIOL 462      Intro Cell Physiology
  - BIOL 466      Principles of Genetics
  - BIOL 690      Intro to Epidemiology
  - BIOL 671      Principles and Practice of Immunology
  - BIOL 465      Histology
  - LASC 261      Medical Terminology
  - FOLA 104      Elementary Spanish I
  - FOLA 105      Elementary Spanish II
  - CHEM 451      Biotechniques in Biochemistry
  - FCS 456 Nutrition Education*
  - FCS 455 Cultural Aspects of Food*