# Nutrition Science Concentration

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSN 416</td>
<td>Community Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>FSN 431</td>
<td>Medical Nutrition Therapy I</td>
<td>2</td>
</tr>
<tr>
<td>FSN 432</td>
<td>Medical Nutrition Therapy II</td>
<td>4</td>
</tr>
<tr>
<td>FSN 433</td>
<td>Medical Nutrition Therapy III</td>
<td>4</td>
</tr>
<tr>
<td>BIO 231</td>
<td>Human Anatomy and Physiology I</td>
<td>5</td>
</tr>
<tr>
<td>BIO 232</td>
<td>Human Anatomy and Physiology II</td>
<td>5</td>
</tr>
<tr>
<td>BIO 302</td>
<td>Human Genetics</td>
<td>4-5</td>
</tr>
<tr>
<td>or BIO 303</td>
<td>Survey of Genetics</td>
<td></td>
</tr>
<tr>
<td>or BIO 351</td>
<td>Principles of Genetics</td>
<td></td>
</tr>
<tr>
<td>PHYS 121</td>
<td>College Physics I</td>
<td>4</td>
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</tbody>
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**Approved Electives**

Select from the following: 17-18 units

- AEPS/BOT 329   : Plants, Food, and Biotechnology
- ASCI 403      : Applied Biotechnology in Animal Science
- BIO 160       : Diversity and History of Life
- BIO 162       : Introduction to Organismal Form and Function
- BIO 253       : Health Professions Shadowing
- BIO 305       : Biology of Cancer
- BIO/CHEM 308  : Genetic Engineering Technology
- BIO 405       : Developmental Biology
- BIO 410       : Functional Histology
- BIO 426       : Immunology
- BIO 452       : Cell Biology
- BIO 476       : Gene Expression Laboratory
- BUS 207       : Legal Responsibilities of Business
- BUS 212       : Financial Accounting for Nonbusiness Majors
- CHEM 129      : General Chemistry for Agriculture and Life Science III
- CHEM 217      : Organic Chemistry II
- CHEM 218      : Organic Chemistry III
- CHEM 231      : Quantitative Analysis
- CHEM 324      : Organic Chemistry Laboratory III
- CHEM 331      : Quantitative Analysis
- CHEM 372      : Metabolism
- CHEM 373      : Molecular Biology
- CHEM 377      : Chemistry of Drugs and Poisons
- CHEM 458      : Instrumental Organic Qualitative Analysis
- CHEM 474      : Protein Techniques Laboratory
- CHEM 475      : Molecular Biology Laboratory
- CHEM 477      : Biochemical Pharmacology
- COMS 418      : Health Communication
- ECON 303      : Economics of Poverty, Discrimination and Immigration
- FSN 405       : Advanced Sport Nutrition & Exercise Metabolism
- FSN 417       : Nutrition Counseling
- FSN 463       : Professional Practice in Nutrition and Dietetics
- KINE 181      : Responding to Emergencies: Comprehensive First Aid, CPR, AED
- KINE 301      : Functional Anatomy
- KINE 303      : Physiology of Exercise
- KINE 304      : Pathophysiology and Exercise
- KINE 305      : Drugs in Society
- KINE 308      : Motor Development
- KINE 312      : Motor Learning and Control
- KINE 403      : Biomechanics
- KINE 406      : Neuroanatomy
- KINE 445      : Electrocardiography
- KINE 446      : Echocardiography
- MATH 161      : Calculus for the Life Sciences I
- or MATH 141   : Calculus I
- MATH 162      : Calculus for the Life Sciences II
- or MATH 142   : Calculus II
- MATH 143      : Calculus III
- MCRO 225      : General Microbiology II
- MCRO 320      : Emerging Infectious Diseases
- MCRO 342      : Public Health Microbiology
- MCRO 402      : General Virology
- MCRO 421      : Food Microbiology
- MCRO 423      : Medical Microbiology
- MCRO 433      : Microbial Biotechnology
- PHIL 339      : Biomedical Ethics
- PHYS 122      : College Physics II
- PHYS 123      : College Physics III
- PSY 201       : General Psychology
- or PSY 202    : General Psychology
- PSY 256       : Developmental Psychology
- PSY 310       : Psychology of Death
- PSY 317       : Psychology of Stress
- PSY 318       : Psychology of Aging
- PSY 330       : Behavioral Effects of Psychoactive Drugs
- PSY 340       : Biopsychology
- PSY 372       : Multicultural Psychology
- PSY 405       : Abnormal Psychology
- PSY 460       : Child Abuse and Neglect
- SCM 101       : Introduction to Health Profession Careers
- SCM 363       : Public Health Fieldwork
- SOC 326       : Sociology of the Life Cycle

One quarter of foreign language

Total units: 50