# 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>
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<tr>
<td>FSN 432</td>
<td>Medical Nutrition Therapy II</td>
<td>4</td>
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<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>
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<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

Please consult the Food, Science & Nutrition advising materials and catalog for prerequisites.