**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 429</td>
<td>Clinical Nutrition I</td>
<td>8</td>
</tr>
<tr>
<td>&amp; FSN 430</td>
<td>Clinical Nutrition II</td>
<td></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>
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<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>
</tr>
</tbody>
</table>

**Approved electives**

Select from the following: 19-20 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

1 The FSN 431, FSN 432 and FSN 433 (10) series may substitute for the FSN 429 and FSN 430 (8) series, with the excess 2 units counting towards Approved Electives.

2 Please consult the FSN advising materials and catalog for prerequisites.