B.S. Health Science, Health Science Concentration

Program Admissions Requirements
There are no program admission requirements for the B.S. in Health Science.

General Education
The listing below includes program requirements that also fulfill General Education requirements.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Objective 1</td>
<td></td>
<td>6</td>
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<tr>
<td>Objective 2</td>
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</tr>
<tr>
<td>Objective 3 - MATH 1153 or MGT 2216</td>
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<tr>
<td>Objective 4</td>
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<tr>
<td>Objective 5 - Biology and Chemistry requirements in core and concentration fulfill this objective.</td>
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<tr>
<td>Objective 6 - PSYC 1101 and SOC 1101</td>
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<tr>
<td>Students must fulfill Objective 7 or Objective 8</td>
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<tr>
<td>Objective 7</td>
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<tr>
<td>Objective 8</td>
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<td>Objective 9</td>
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<tr>
<td>Total Credits</td>
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1 "P" courses are equivalent to the original course.

Major Requirements

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>BIOL 2227 &amp; 2227L</td>
<td>Human Anatomy and Physiology 1 and Human Anatomy and Physiology 1 Lab (Partially fulfills Objective 5)</td>
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<tr>
<td>or</td>
<td>BIOL 3301 &amp; 3301L</td>
<td>Advanced Human Anatomy and Physiology 1 and Advanced Human Anatomy and Physiology 1 Lab (BIOL 3301 has a prerequisite of BIOL 1101 or BIOL 2227, either of which will partially fulfill Objective 5.)</td>
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<td>BIOL 3301 &amp; BIOL 3301L are HIGHLY RECOMMENDED for any students interested in pursuing professional degrees in chiropractic, dentistry, allopathic and osteopathic medicine, occupational therapy, optometry, physical therapy, physician assistant studies, and veterinary studies.</td>
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<td>CPH 2200</td>
<td>Promoting Wellness</td>
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<td>DHS 4426</td>
<td>Evidence Based Research in Health Sciences</td>
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<td>Choose one of the following:</td>
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<td>HO 1106</td>
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<td>Medical Law and Ethics</td>
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<tr>
<td>PHIL 2230</td>
<td>Medical Ethics</td>
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</tr>
<tr>
<td>PHIL 4456</td>
<td>Ethical Issues in Healthcare Law and Policy</td>
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<tr>
<td>Healthcare Competencies</td>
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<tr>
<td>ANTH 4411</td>
<td>Advanced Global Health</td>
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<tr>
<td>CPH 4432</td>
<td>Community and Public Health</td>
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<tr>
<td>GLBL 4420</td>
<td>Global Health and Policy</td>
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<tr>
<td>HCA 1115</td>
<td>US Health System</td>
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<tr>
<td>SOC 3330</td>
<td>Sociology of Health and Illness</td>
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<tr>
<td>Communication Competencies</td>
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<tr>
<td>CMP 3308</td>
<td>Groups and Communication</td>
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<tr>
<td>CMP 3309</td>
<td>Communication Inquiry</td>
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<tr>
<td>CPH 4410</td>
<td>Health Behavior Change Theory and Application</td>
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</tr>
<tr>
<td>CMP 4422</td>
<td>Conflict Management</td>
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<tr>
<td>CPH 4425</td>
<td>Patient Education Skills</td>
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<tr>
<td>COUN 3300</td>
<td>Interpersonal Skills in Health Professions</td>
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<tr>
<td>CPH 4446</td>
<td>Communication Strategies in Community and Public Health</td>
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<tr>
<td>CPH 4451</td>
<td>Basic Addiction Treatment Skills</td>
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<tr>
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<td>Professional and Technical Writing</td>
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<tr>
<td>Diversity Competencies - Choose one of the following:</td>
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<tr>
<td>ANTH 4406</td>
<td>American Indian Health Issues</td>
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<tr>
<td>ANTH 4407</td>
<td>Anthropology of Global Health</td>
<td></td>
</tr>
<tr>
<td>ANTH 4408</td>
<td>Topics in Medical Anthropology</td>
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<tr>
<td>ANTH 4409</td>
<td>Clinical Medical Anthropology</td>
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<tr>
<td>COUN 3300</td>
<td>Interpersonal Skills in Health Professions</td>
<td></td>
</tr>
<tr>
<td>CPH 4425</td>
<td>Patient Education Skills</td>
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<tr>
<td>DHS 4402</td>
<td>Survey of Aging Issues</td>
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</tr>
<tr>
<td>HCA 4475</td>
<td>Health Law and Bioethics</td>
<td></td>
</tr>
<tr>
<td>SOC 2248</td>
<td>Critical Analysis of Social Diversity</td>
<td></td>
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<tr>
<td>SPAN 2210</td>
<td>Spanish for Health Care I</td>
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</tr>
<tr>
<td>Students must have an overall 2.0 Grade Point Average (GPA) in BS Health Science Core courses with no grades below a C-</td>
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## Concentration Requirements

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<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Health Science Electives</strong></td>
<td><strong>Choose an ADDITIONAL 12 credits from the Health Science core or other approved health science elective courses. Double counting with competency coursework is NOT allowed. Some courses may require additional prerequisite coursework.</strong></td>
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<tr>
<td>ANTH 4406</td>
<td>American Indian Health Issues</td>
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<td>ANTH 4407</td>
<td>Anthropology of Global Health</td>
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<tr>
<td>ANTH 4408</td>
<td>Topics in Medical Anthropology</td>
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<tr>
<td>ANTH 4409</td>
<td>Clinical Medical Anthropology</td>
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<tr>
<td>ANTH 4411</td>
<td>Advanced Global Health</td>
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<tr>
<td>BIOL 2229</td>
<td>Introduction to Pathobiology</td>
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<tr>
<td>BIOL 3306</td>
<td>Advanced Pathobiology</td>
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<tr>
<td>BIOL 3324</td>
<td>Developmental Biology</td>
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<td>BIOL 3324L</td>
<td>Developmental Biology Lab</td>
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<tr>
<td>BIOL 3358</td>
<td>Genetics</td>
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<tr>
<td>BIOL 4400</td>
<td>Oral Histology and Embryology</td>
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<td>BIOL 4400L</td>
<td>Oral Histology and Embryology Lab</td>
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<td>BIOL 4432</td>
<td>Biochemistry</td>
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<td>BIOL 4451</td>
<td>Immunology</td>
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<td>BIOL 4451L</td>
<td>Immunology Laboratory</td>
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<td>CHEM 3301</td>
<td>Organic Chemistry I</td>
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<td>CHEM 3303</td>
<td>Organic Chemistry Laboratory I</td>
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<td>CHEM 3302</td>
<td>Organic Chemistry II</td>
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<td>CHEM 3304</td>
<td>Organic Chemistry Laboratory II</td>
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<td>CMP 3309</td>
<td>Communication Inquiry</td>
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<td>CMP 4422</td>
<td>Conflict Management</td>
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<td>CPH 3340</td>
<td>Fitness and Wellness Programs</td>
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<td>CPH 4401</td>
<td>Issues in Health and Wellness</td>
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<td>CPH 4405</td>
<td>Leadership and Policy</td>
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<tr>
<td>CPH 4410</td>
<td>Health Behavior Change Theory and Application</td>
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<tr>
<td>CPH 4425</td>
<td>Patient Education Skills</td>
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<td>CPH 4432</td>
<td>Community and Public Health</td>
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<td>CPH 4446</td>
<td>Communication Strategies in Community and Public Health</td>
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<tr>
<td>CPH 4451</td>
<td>Basic Addiction Treatment Skills</td>
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<tr>
<td>COUN 3300</td>
<td>Interpersonal Skills in Health Professions</td>
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<tr>
<td>DHS 4401</td>
<td>Mindfulness in Health Science</td>
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<tr>
<td>DHS 4402</td>
<td>Survey of Aging Issues</td>
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<tr>
<td>DHS 4403</td>
<td>Interprofessional Systems in Geriatric Management</td>
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<tr>
<td>DHS 4404</td>
<td>Geriatric Interprofessional Collaborative Practice Internship</td>
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<tr>
<td>DHS 4405</td>
<td>Effects of Mindfulness Practice</td>
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<td>DHS 4406</td>
<td>The Mindful Practitioner</td>
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<td>DHS 4408</td>
<td>Mindful Self-Compassion</td>
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<td>DHS 4410</td>
<td>Fundamentals of Mindfulness</td>
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<tr>
<td>DHS 4411</td>
<td>Introduction to Mindfulness Practice</td>
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<tr>
<td>DHS 4480</td>
<td>Genetics for Health Care Professionals</td>
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<tr>
<td>ENGL 3307</td>
<td>Professional and Technical Writing</td>
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<tr>
<td>GLBL 4420</td>
<td>Global Health and Policy</td>
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<tr>
<td>HO 1107</td>
<td>Medical Law and Ethics</td>
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<tr>
<td>HCA 1115</td>
<td>US Health System</td>
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<tr>
<td>HCA 4410</td>
<td>Management of Healthcare Provider Organizations</td>
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<td>HCA 4415</td>
<td>Physician Practice Management</td>
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<tr>
<td>HCA 4420</td>
<td>The Business of Healthcare</td>
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<td>HCA 4460</td>
<td>Healthcare Quality and Performance Improvement</td>
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<td>HCA 4475</td>
<td>Health Law and Bioethics</td>
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<td>HCA 4480</td>
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<td>HPSS 3301</td>
<td>Physiology of Exercise</td>
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<td>HPSS 3301L</td>
<td>Physiology of Exercise Laboratory</td>
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<tr>
<td>NTD 4461</td>
<td>Nutritional Biochemistry I</td>
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<tr>
<td>PHIL 2230</td>
<td>Medical Ethics</td>
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<td>PHIL 4456</td>
<td>Ethical Issues in Healthcare Law and Policy</td>
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<tr>
<td>PSYC 3301</td>
<td>Abnormal Psychology</td>
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<tr>
<td>SOC 2248</td>
<td>Critical Analysis of Social Diversity</td>
<td></td>
</tr>
<tr>
<td>SOC 3330</td>
<td>Sociology of Health and Illness</td>
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</tr>
<tr>
<td>SPAN 2210</td>
<td>Spanish for Health Care I</td>
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<tr>
<td>DHS 1110</td>
<td>Introduction to Health Professions</td>
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<tr>
<td><strong>Choose one of the following:</strong></td>
<td><strong>4</strong></td>
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<tr>
<td>BIOL 2228 &amp; 2228L</td>
<td>Human Anatomy and Physiology 2 &amp; Human Anatomy and Physiology 2 Lab</td>
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<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 3302 &amp; 3302L</td>
<td>Advanced Human Anatomy and Physiology 2 &amp; Advanced Human Anatomy and Physiology 2 Lab</td>
<td></td>
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<tr>
<td>BIOL 3302 &amp; BIOL 3302L are RECOMMENDED for any students interested in pursuing professional degrees in chiropractic, dentistry, allopathic and osteopathic medicine, occupational therapy, optometry, physical therapy, physician assistant studies, and veterinary studies.</td>
<td></td>
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<tr>
<td><strong>Choose one of the following biology courses with lab:</strong></td>
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<tr>
<td>BIOL 2233 &amp; 2233L</td>
<td>Principles of Microbiology &amp; Principles of Microbiology Lab</td>
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<tr>
<td>BIOL 2206 &amp; BIOL 2207</td>
<td>Cell Biology &amp; Cell Biology Laboratory</td>
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<tr>
<td><strong>Choose one of the following chemistry sequences:</strong></td>
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<tr>
<td>CHEM 1101 &amp; CHEM 1102 &amp; CHEM 1103</td>
<td>Introduction to Chemistry and Essentials of Organic and Biochemistry and Essentials of Organic and Biochemistry Laboratory</td>
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</tr>
<tr>
<td>CHEM 1111 &amp; 1111L &amp; CHEM 1112 &amp; CHEM 1112L</td>
<td>General Chemistry I and General Chemistry I Lab &amp; General Chemistry II and General Chemistry II Lab</td>
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<tr>
<td>CHEM 1111 has a prerequisite of MATH 1143. Please consult with your advisor to determine which course is appropriate for your career goals.</td>
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<tr>
<td>Either option partially fulfills Objective 5</td>
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<tr>
<td><strong>Choose one of the following physics courses:</strong></td>
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<tr>
<td>PHYS 1100</td>
<td>Essentials of Physics (Partially fulfills Objective 5)</td>
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<tr>
<td>PHYS 1111</td>
<td>General Physics I</td>
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<tr>
<td>&amp; PHYS 1113</td>
<td>and General Physics I Laboratory (Partially fulfills Objective 5)</td>
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</table>

PHYS 1100 has a prerequisite of MATH 1108 or equivalent. MATH 1153 DOES NOT serve as an equivalent. PHYS 1111 has a prerequisite of MATH 1143 or MATH 1147 or equivalent. Please consult with your advisor to determine which course is appropriate for your career goals.

<table>
<thead>
<tr>
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<tr>
<td>MATH 1153</td>
<td>Statistical Reasoning (Either course fulfills Objective 3)</td>
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<td>or MGT 2216</td>
<td>Business Statistics</td>
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<td>NTD 2239/3340</td>
<td>Nutrition (Partially fulfills Objective 5)</td>
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<tr>
<td>PSYC 1101</td>
<td>Introduction to Psychology (Partially fulfills Objective 6)</td>
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<tr>
<td>SOC 1101</td>
<td>Introduction to Sociology (Partially fulfills Objective 5)</td>
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Students must have an overall 2.0 Grade Point Average (GPA) in Health Science Concentration courses with no grades below a C-.

Total Credits: 46-48

**Degree Totals**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>Program Admission Requirements</td>
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<tr>
<td>General Education</td>
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<td>37</td>
</tr>
<tr>
<td>Core Requirements (w/o General Education)</td>
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<td>16-20</td>
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<tr>
<td>Concentration Requirements (w/o General Education)</td>
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<td>16-18</td>
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<td>Upper Division Free Electives</td>
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<tr>
<td>Free Electives</td>
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**Total Credits**: 120

ISU Degree Requirements (http://coursecat.isu.edu/undergraduate/degreerequirements/)

ISU General Education (http://coursecat.isu.edu/undergraduate/academicinformation/generaleducation/)

Major Academic Plan (MAP)