BACHELOR OF SCIENCE
Pre-Physical Therapy Biology

120 hours minimum for graduation with a 2.00 average overall
56 Hours from a four year institution

Name_________________________________________

General Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
<th>Sem</th>
<th>CR</th>
<th>QPts</th>
</tr>
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<tbody>
<tr>
<td>UNIV 100</td>
<td>University 100</td>
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English

<table>
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<th>Hrs</th>
<th>Sem</th>
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<th>QPts</th>
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<tbody>
<tr>
<td>ENGL 101</td>
<td>Composition and Rhetoric I</td>
<td>3</td>
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<tr>
<td>ENGL 102</td>
<td>Composition and Rhetoric II</td>
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<tr>
<td>ENGL 203</td>
<td>World Literature I</td>
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<tr>
<td>ENGL 204</td>
<td>World Literature II</td>
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Communication Arts

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<th>Course</th>
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<th>QPts</th>
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<tbody>
<tr>
<td>CART 101</td>
<td>Fundamentals of Speech</td>
<td>3</td>
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The Arts – Choose two courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
<th>Sem</th>
<th>CR</th>
<th>QPts</th>
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</thead>
<tbody>
<tr>
<td>ART 101A</td>
<td>Introduction to Visual Arts</td>
<td>3</td>
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<tr>
<td>MUS 101A</td>
<td>Introduction to Music</td>
<td>3</td>
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<tr>
<td>CART 102</td>
<td>Introduction to Theatre</td>
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Physical Education

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<tbody>
<tr>
<td>PED 101M</td>
<td>Personal Wellness</td>
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Social Sciences

<table>
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<th>QPts</th>
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<tbody>
<tr>
<td>PSY 101</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>SOC 101</td>
<td>Intro. to Sociology</td>
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</table>

Foreign Language – Recommended

Two courses may be substituted for any two general studies courses except ENGL 101 & 102 and Math. Only ONE substitution per discipline.

General Studies Mathematics and Laboratory Science requirements will be fulfilled by the major.

RESIDENCE CREDIT:

36 Hours at Concord
16 of last 32 hours at Concord
9 Hours in Major, Teaching Fields

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
<th>Sem</th>
<th>CR</th>
<th>QPts</th>
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<tbody>
<tr>
<td>BIOL 101</td>
<td>General Biology I</td>
<td>4</td>
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<tr>
<td>CHEM 101</td>
<td>General Chemistry I</td>
<td>3</td>
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<tr>
<td>CHEM 111</td>
<td>General Chemistry Lab I</td>
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<tr>
<td>MATH 103</td>
<td>College Algebra (prerequisite for classes)</td>
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**Freshman Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
<th>Sem</th>
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<th>QPts</th>
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<tbody>
<tr>
<td>BIOL 101</td>
<td>General Biology II</td>
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<tr>
<td>CHEM 102</td>
<td>General Chemistry II</td>
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<td>CHEM 112</td>
<td>General Chemistry Lab II</td>
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<tr>
<td>MATH 104</td>
<td>College Trigonometry (prerequisite for classes)</td>
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**Freshman Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
<th>Sem</th>
<th>CR</th>
<th>QPts</th>
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<tbody>
<tr>
<td>BIOL 375</td>
<td>Biology Shadowing/Internship</td>
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<tr>
<td>MATH 105</td>
<td>Elementary Statistics</td>
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<tr>
<td>PHYS 101</td>
<td>Introduction to Physics</td>
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<td>S ED 205</td>
<td>First Aid and CPR</td>
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**Sophomore Fall Semester**

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<th>QPts</th>
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<tbody>
<tr>
<td>BIOL 235</td>
<td>Human A&amp;P I</td>
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<tr>
<td>PHYS 102</td>
<td>Intermediate Physics</td>
<td>4</td>
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<td>PED 315</td>
<td>Kinesiology</td>
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**Junior Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
<th>Sem</th>
<th>CR</th>
<th>QPts</th>
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</thead>
<tbody>
<tr>
<td>AT 236</td>
<td>Evaluation of Lower Extrem.</td>
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<tr>
<td>BIOL 237</td>
<td>Human A&amp;P II</td>
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<td>BIOL 376</td>
<td>Biology Shadowing/Internship</td>
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**Junior Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<th>Sem</th>
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<tbody>
<tr>
<td>BIOL 330</td>
<td>Microbiology</td>
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<tr>
<td>PSY 350</td>
<td>Lifespan Development</td>
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<tr>
<td>AT 237</td>
<td>Evaluation of Upper Extrem.</td>
<td>4</td>
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**Take GRE following Junior year**

**Senior Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>AT 314</td>
<td>Exercise Physiology</td>
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<tr>
<td>AT 330</td>
<td>Therapeutic Modalities</td>
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<tr>
<td>BIOL 302</td>
<td>Cell &amp; Molecular Biology</td>
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<tr>
<td>BIOL 455</td>
<td>Biology Capstone</td>
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*may substitute 452 & 453

**Senior Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
<th>Sem</th>
<th>CR</th>
<th>QPts</th>
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</thead>
<tbody>
<tr>
<td>AT 331</td>
<td>Therapeutic Exercise</td>
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**Should be taken in May or June following Junior year.**
English Placement

<table>
<thead>
<tr>
<th>Test Cut-Offs</th>
<th>ENGL 090</th>
<th>ENGL 101</th>
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<tbody>
<tr>
<td>ACT</td>
<td>&lt;18</td>
<td>≥18</td>
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<tr>
<td>SAT</td>
<td>&lt;450</td>
<td>≥450</td>
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Math Placement

<table>
<thead>
<tr>
<th>Test Cut-Offs</th>
<th>MATH 090/091 (Compass test)</th>
<th>MATH 103</th>
<th>MATH 104</th>
<th>MATH 250</th>
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<tbody>
<tr>
<td>ACT</td>
<td>&lt;19</td>
<td>≥19</td>
<td>≥25</td>
<td>≥28</td>
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<tr>
<td>SAT</td>
<td>&lt;460</td>
<td>≥460</td>
<td>≥580</td>
<td>≥630</td>
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Social Science Elective Choices

- ECON 201: Macroeconomics
- ECON 202: Microeconomics
- GEOG 101: World Cultural Geography
- GEOG 200: Physical Geography
- GEOG 250: Regional Studies
- HIST 101: History of Civilization to 1600
- HIST 102: History of Civilization from 1600
- PHIL 101: History of Ideas I
- PHIL 102: History of Ideas II
- POSC 101: Political Science
- POSC 104: American Federal Government
- PSY 101: General Psychology
- PSY 200: Basic Learning
- SOC 101: People and Environment
- SOC 310: Cultural Anthropology

Suggested Electives

- BIOL 250: Medical Terminology (F & Su)
- PED 329: Motor Learning Development (F)
- HED 303: Principles of Mental & Emotional Health (S)
- AT 450: General Medical Concerns (F)
- PSYC 370: Physiological Psychology (S) (can replace PSYC 350)
- PSYC 420: Abnormal Psychology (F)(can replace PSYC 350)
- PHIL 360: Biomedical Ethics (S)