

**Biology – Pre-Physical Therapy**  
(Department of Biological Sciences)

**Program Requirements**

| Major Courses  | Credits | Semester Completed |
|--|---------|--------------------|
| [BIOL 160] Molecular and Cellular Biology                              | 4       |                    |
| [BIOL 161] Animal Form and Function                                    | 3       |                    |
| [BIOL 162] Plant Form and Function                                     | 3       |                    |
| [BIOL 260] Genetics and Development                                    | 3       |                    |
| [BIOL 262] Ecology and Adaptation                                      | 4       |                    |
| [BIOL 385] Physiology  | 3       |                    |
| [BIOL 386] Human Anatomy   | 4       |                    |
| <i>One of the following:</i>   | 4       |                    |
| [BIOL 412] Cell Biology (4)  |         |                    |
| [BIOL 413] Molecular Biology (4)                                       |         |                    |
| [CHEM 410] Biochemistry I (4)  |         |                    |
| <i>One of the following:</i>   | 3 or 4  |                    |
| [BIOL 321] Mycology (4)  |         |                    |
| [BIOL 325] Medicinal Botany (3)  |         |                    |
| [BIOL 332] Plant Taxonomy (4)  |         |                    |
| [BIOL 334] Plant Ecology (4)   |         |                    |
| [BIOL 335] Plant Propagation (3)                                       |         |                    |
| [BIOL 495] Capstone: Natural Sciences                                  | 3       |                    |
| BIOL elective credits (total of 37 BIOL credits)                       | 2 to 3  |                    |
| [CHEM 105] General Chemistry I   | 4       |                    |
| [CHEM 106] General Chemistry II  | 4       |                    |
| [CHEM 309] Organic Chemistry I   | 4       |                    |
| [CHEM 310] Organic Chemistry II  | 4       |                    |
| <i>One of the following:</i>   | 3 or 4  |                    |
| [MATH 108] Intuitive Calculus with Applications (3)                    |         |                    |
| [MATH 109] Calculus I, Part I (4) & [MATH 110] Calculus I, Part II (3) |         |                    |
| [MATH 111] Calculus I (4)  |         |                    |
| <i>One of the following:</i>   | 3       |                    |
| [PHIL 102] History of Philosophy (3)                                   |         |                    |
| [PHIL 101] Problems in Philosophy (3)                                  |         |                    |
| [PHYS 201] Introductory Physics I                                      | 4       |                    |
| [PHYS 202] Introductory Physics II                                     | 4       |                    |
| [PSYC 101] Introduction to Psychology                                  | 3       |                    |
| <i>One of the following:</i>   | 3       |                    |
| [PSYC 310] Child Development (3)                                       |         |                    |
| [PSYC 311] Adolescent Development (3)                                  |         |                    |
| [GERO 251] Nutrition, Health and Biology of Aging (3)                  |         |                    |
| [STAT 269] Introductory Statistics                                     | 3       |                    |

Note: Exercise Physiology and/or an Athletic Training Assessment course is strongly encouraged as an elective.

\*As part of the 37 BIOL credits, majors must take three 300/400 level lab courses OR two 300/400 level lab courses and one 200/300/400 biology course with extensive field experience.

General Education requirements on reverse side

August 2011

**Biology - Pre Physical Therapy**  
(Department of Biological Sciences)

General Education Requirements

| <u>Courses</u>  | <u>Credits</u> | <u>Semester Completed</u> |
|---|----------------|---------------------------|
| First Year Seminar  | 3              |                           |
| Oral Communications   | 3              |                           |
| Created and Called for Community  | 3              |                           |
| Mathematical Sciences ( <a href="#">[MATH 108]</a> or <a href="#">[MATH 111]</a> )  | 3 or 4         | <u>met by major</u>       |
| Laboratory Science ( <a href="#">[BIOL 160]</a> , <a href="#">[BIOL 161]</a> , <a href="#">[BIOL 162]</a> , or <a href="#">[CHEM 105]</a> ) | 3 or 4         | <u>met by major</u>       |
| Science, Technology & the World   | 3              | <u>waived</u>             |
| <b>Two</b> of the following:  | 6              |                           |
| Social Science (3 credits)  |                |                           |
| European History (3 credits)  |                |                           |
| United States History (3 credits)   |                |                           |
| Literature  | 3              |                           |
| Philosophy and Religion ( <a href="#">[PHIL 101]</a> or <a href="#">[PHIL 102]</a> )  | 3              | <u>met by major</u>       |
| Arts  | 3              |                           |
| Language/Cross Cultural   |                |                           |
| First Semester of Language  | 3              |                           |
| Second Semester of Language   | 3              |                           |
| Third Semester of Language or Cross Cultural  | 3              |                           |
| Non-Western Studies   | 2 or 3         |                           |
| Bible   | 3              |                           |
| Christian Beliefs   | 3              |                           |
| Health and Physical Fitness   |                |                           |
| Introduction to Wellness  | 2              |                           |
| Activity Course   | 1              |                           |
| <b>One</b> of the following:  | 3              |                           |
| Ethics (3 credits)  |                |                           |
| World Views (3 credits)   |                |                           |
| Pluralism in Contemporary Society (3 credits)   |                |                           |
| Writing Enriched Course   |                |                           |

Note: Exercise Physiology and/or an Athletic Training Assessment course is strongly encouraged as an elective.

**SUMMARY OF DEGREE REQUIREMENTS**

|                    |       |
|--------------------|-------|
| General Education  | 44-43 |
| Major Requirements | 75-78 |
| Free Electives     | 2-4   |

**Total** **123**

Major requirements on reverse side

August 2011