

Springfield College
Office of Academic Advising
413/748-3379 ▼ Administration 112

Choosing a Natural Sciences General Education Course (2007 – 2008)

Choosing a Natural Sciences General Education course is an important decision based on your major (or the major you hope to pursue) and your abilities. Generally speaking, science courses at Springfield College can be classified according to three levels of intensity or difficulty: basic, moderate, and high. Use the information listed below to help you choose the most appropriate course. All of the courses listed, combined with the corresponding laboratory, fulfill the Natural Sciences General Education Program category. As you can see, though, some majors require a specific course or courses. While your major may require a full-year sequence, only one semester is required to fulfill the General Education category. Note that some courses may not be offered each semester, and some courses may be already be filled when you register.

rev. 6/1/07

<i>Course Title</i>	<i>Intensity/ Difficulty</i>	<i>Who the Course Is Appropriate For</i>
BIOL 101, Basic Concepts of Modern Biology <ul style="list-style-type: none"> • <i>Corresponding lab is BIOL 102</i> 	Basic/ Introductory	Can be taken any semester by students simply wishing to fulfill their science requirement. <ul style="list-style-type: none"> • Outdoor Leadership majors should take this course, as it's a prerequisite for BIOL 260, Ecology, which is required for that major.
CHEM 101, Chemistry Survey <ul style="list-style-type: none"> • <i>Corresponding lab is CHEM 102</i> 	Basic/ Introductory	Can be taken any semester by students simply wishing to fulfill their science requirement. Required for the following majors: <ul style="list-style-type: none"> • Applied Exercise Science • Emergency Medical Services Management • Health Studies Often taken by Occupational Therapy dual degree students, typically during the 1 st year.
PHSC 105, Physical Science and the Environment <ul style="list-style-type: none"> • <i>Corresponding lab is PHSC 105L</i> 	Basic/ Introductory	Can be taken any semester by students simply wishing to fulfill their science requirement. <ul style="list-style-type: none"> • PHSC 105 or PHSC 110 is required for all students completing elementary education programs. If it works for your schedule, PHSC 110 is the recommended choice.
PHSC 110, Earth Science <ul style="list-style-type: none"> • <i>Corresponding lab is PHSC 110L</i> 	Basic/ Introductory	Can be taken any semester by students simply wishing to fulfill their science requirement. <ul style="list-style-type: none"> • PHSC 105 or PHSC 110 is required for all students completing or elementary education programs. If it works for your schedule, PHSC 110 is the recommended choice.

<i>Course Title</i>	<i>Intensity/ Difficulty</i>	<i>Who the Course Is Appropriate For</i>
BIOL 130, Anatomy & Physiology I BIOL 131, Anatomy & Physiology II <ul style="list-style-type: none"> • <i>Corresponding labs are BIOL 132 and BIOL 133</i> • <i>Generally, must be begun in the fall</i> 	Moderate	Generally taken 1 st year by: <ul style="list-style-type: none"> • Applied Exercise Science majors • Athletic Training majors • Dance majors • Emergency Medical Services Mgt. majors • Movement and sports studies majors (including physical education teacher preparation) • Students interested in pursuing one of the above majors Taken 1 st or 2 nd year by: <ul style="list-style-type: none"> • Health Studies majors • Majority of Occupational Therapy dual degree students • Therapeutic Recreation majors • Communication Disorders majors • Many Rehabilitation and Disability Studies majors (depending on concentration) • Students in other majors who wish to fulfill their science requirement
PHYS 205, Physics for Movement Science <ul style="list-style-type: none"> • <i>Corresponding labs for MOST/PE are PHYS 206 & MOSK 206</i> • <i>For AEXS, ATRN, and other majors the lab is PHYS 207</i> 	Moderate	Generally taken 2 nd year by: <ul style="list-style-type: none"> • Applied Exercise Science majors • Movement and Sports Studies majors (including physical education) • Athletic Training majors One of the options for Occupational Therapy dual degree students (1 st or 2 nd year) <i>Note: The prerequisite for this course is MATH 115, College Algebra (or MATH 125, 131, or 140).</i>
BIOL 121, Bioscience I BIOL 122, Bioscience II <ul style="list-style-type: none"> • <i>Corresponding labs are BIOL 123 and BIOL 124</i> • <i>Must be begun in the fall</i> 	High	Generally taken 1 st year by: <ul style="list-style-type: none"> • Biology and Sports Biology majors • Physical Therapy majors • Physician Assistant majors • Students interested in pursuing one of the above majors <ul style="list-style-type: none"> • Students interested in preparing for medical school • Other students who have a strong science background <i>and</i> a serious interest in the course or a major for which the course is required
CHEM 121, General Chemistry I CHEM 122, General Chem. II <ul style="list-style-type: none"> • <i>Corresponding labs are CHEM 123 and CHEM 124</i> • <i>Must be begun in the fall</i> 	High	Same as BIOL 121 & 122
PHYS 210, General Physics I PHYS 211, General Physics II <ul style="list-style-type: none"> • <i>Corresponding labs are PHYS 210L and 211L</i> • <i>Must be begun in the fall</i> 	High	Generally taken 2 nd or 3 rd year by: <ul style="list-style-type: none"> • Biology and Sports Biology majors • Physical Therapy majors • Students interested in preparing for medical school Can be taken 1 st year by students who have a serious interest and who have had high school or college precalculus.