Physical Sciences (BS) – Curriculum Guide

Student Name: Advisor:

GENERAL EDUCATION REQUIREMENTS

COMPETENCIES
(Minimum grade of C- required in all competencies)
☐ FS 0102 Freshman Seminar
   (if transferring in fewer than 18 credits)

Writing
☐ ENG 0101 English Composition I
☐ ENG 0102 English Composition II

Mathematics
☐* MATH 0098 College Algebra or Higher (see major)

THE HUMAN EXPERIENCE
☐ Students are required to complete two courses designated “Global”

ARTS & LETTERS (ONE course MUST be literature;
ONE course MUST be a creative, fine or performing Arts course)
☐ Literature
☐ Arts
☐ Literature, Arts, Language

BEHAVIORAL, ECONOMIC, & POLITICAL SCIENCES
(Two different categories must be represented)

HISTORY, CULTURES, & PHILOSOPHICAL INQUIRY
(ONE course MUST be History, and ONE course must be Cultures or Philosophical Inquiry)
☐ HIST

PHYSICAL, LIFE, & COMPUTATIONAL SCIENCES
(ONE course must be a Physical Science, ONE must be a Life Science and ONE must include a lab)
☐ (see major)
☐ (see major)
☐ (see major)
☐ Lab (see major)

PHYSICAL EDUCATION
☐ PEDC

*MATH 0098 does not meet the mathematics competency at the Pittsburgh campus

REQUIRED MAJOR COURSES
☐ BIOL 0101 Introduction to Cell and Molecular (4)
☐ BIOL 0102 Introduction to Biodiversity (4)
☐ CHEM 0101 General Chemistry I (4)
☐ CHEM 0102 General Chemistry II (4)
☐ GEOL 0101 Physical Geology (4)
☐ MATH 0140 Calculus I (4)
☐ MATH 0150 Calculus II (4)
☐ MATH 0201 Calculus III (4)
☐ PHYS 0101 Introduction to Physics I (4) &
☐ PHYS 0102 Introduction to Physics II (4) OR
☐ PHYS 0201/0203 Foundations of Physics I and Lab (4) &
☐ PHYS 0202/0204 Foundations of Physics II and Lab (4)

CONCENTRATION AREA: Student MUST complete required courses in one of the following concentrations:

BIOLOGY
☐ BIOL 0203 Genetics (4)
☐ BIOL 1302 Microbiology (4)
☐ BIOL 1320 Cell Biology (4)
☐ CHEM 0206 Organic Chemistry I (3)
☐ CHEM 0207 Organic Chemistry I Lab (1)
☐ UP Level BIOL Elective (4)
☐ UP Level BIOL Elective (4)
☐ BIOL 1451 Capstone (4)

CHEMISTRY
☐ CHEM 0201 Introduction to Analytical Chemistry (4)
☐ CHEM 0206/0207 Organic Chemistry I & Lab (4)
☐ CHEM 0208/0209 Organic Chemistry II & Lab (4)
☐ CHEM 1301 Physical Chemistry I (4)
☐ CHEM 1302 Physical Chemistry II (4)
☐ CHEM 1451 Capstone (4)
☐ UP Level CHEM Elective (3-4)

According to your Degree Progress Report in MY.PITT.EDU upon successful completion of the current term:

You will have EARNED _________ credit hours

You NEED _________ for 120 credit hours required for graduation.

You will have earned _________ credit hours of Upper Level course work.

You NEED _______ for the 30 credit hours required for graduation.

NOTE: This guide is unofficial. Completing the requirements on this sheet does NOT guarantee degree completion. Official degree completion information can be found in MY.PITT.EDU. Contact your Faculty Advisor and/or the Registrar’s Office with questions or concerns.
BACHELOR OF SCIENCE IN PHYSICAL SCIENCES-BIOLOGY CONCENTRATION  
(Suggested 4 Year Plan)

<table>
<thead>
<tr>
<th>FIRST YEAR, 1ST TERM</th>
<th>CREDITS</th>
<th>FIRST YEAR, 2ND TERM</th>
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<tr>
<td>FS 0102 Freshman Seminar</td>
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<td>ENG 0102 English Composition II</td>
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<td>ENG 0101 English Composition I</td>
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<td>BIOL 0102 Introduction to Biodiversity</td>
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<tr>
<td>BIOL 0101 Introduction to Cell &amp; Molecular Biology</td>
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<td>MATH 0150 Calculus II</td>
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<td>MATH 0140 Calculus I</td>
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<td>GE: Behavioral, Economics or Political Science</td>
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<td>GE: Arts &amp; Letters</td>
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<td>GE: Arts &amp; Letters</td>
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<td>MATH 0201 Calculus III</td>
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<td>PHYS 0101 Introduction to Physics OR PHYS 0201/0203 Foundations of Physics I &amp; Lab</td>
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<td>BIOL 0203 Genetics</td>
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<td>CHEM 0101 General Chemistry I</td>
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<td>GE: Literature</td>
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<td>GE: PEDC</td>
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<td>BIOL 1320 Cell Biology</td>
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<td>CHEM 0206/0207 Organic Chemistry</td>
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<td>BIOL 1451 Capstone: Ecology</td>
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<td>GE: History Cultures or Philosophical Inquiry (UPPER LEVEL/Global)</td>
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<td><strong>Credits Per Term</strong></td>
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**Please note that this is a potential plan for completing your degree within four years. The order of classes does not necessarily need to be followed exactly as written. Be sure to check the Academic Catalog for pre-requisites. Make sure to discuss grade requirements and course offerings each semester with your Faculty Advisor prior to registering for the upcoming term. Consult your Degree Progress Report in [http://my.pitt.edu](http://my.pitt.edu) for an official record of your degree standing.**