Requirements for a B.S. in Biological Physics

I. Physics:

◊ PHYS 151 (Mechanics) or PHYS 101
  ○ Co- or pre-requisite: MATH 035 (Calculus I)

◊ PHYS 152 (Electromagnetic Phenomena) or PHYS 102
  ○ Co- or pre-requisite: MATH 036 (Calculus II)

◊ PHYS 153 (Relativity and Quantum Physics)
  ○ Co- or pre-requisite: MATH 137 (Multivariable Calculus)

◊ PHYS 154 (Modern Physics and its Experimental Methods)

◊ PHYS 155 (Math/Computational Methods)

◊ PHYS 235 (Biological Physics I)

One of the following intermediate level physics course:

  ○ PHYS 251 (Intermediate Mechanics)

  ○ PHYS 252 (Intermediate E&M)

  ○ PHYS 253 (Quantum Mechanics)

◊ PHYS 254 (Statistical Physics)

◊ PHYS 436 (Biological Physics II) or approved elective

◊ Biological Physics independent research: PHYS 311 or 312 (one semester)

II. Corollary Major Requirements:

◊ BIOL ≥ 103 (Major-level biology, typically BIOL 103)

◊ BIOL ≥ 104 (Major-level biology, typically BIOL 104)

◊ CHEM 001 or ≥ 055 (Major-level chemistry, typically CHEM 001)

◊ CHEM 002 or ≥ 056 (Major-level chemistry, typically CHEM 002)
III. General Education:

Note: This is an unofficial summary of the requirements. Please verify by checking the Georgetown University Undergraduate Bulletin for complete details to ensure that specific courses count towards specific requirements.

**Humanities and Writing**

◊ Intensive Writing Seminar
◊ Introduction to a humanities discipline other than Philosophy, Theology, or History

**History**

◊ Early History
◊ Late History

**Philosophy**

◊ Ethics
◊ Non-ethics

**Theology**

◊ Problem of God (THEO 001) or Intro to Bib Lit (THEO 011)
◊ Intermediate-level Theology

**Language**

◊ Through the intermediate level

**Social Science**

B.S. Biological Physics majors are exempt from the Social Science requirement