The Minor in Biological Physics requires the completion of 22 credit hours.

I. **Required courses (13 credit hours)**
   - PHYS 2305 Foundations of Physics (Pre: MATH 1225, Co: MATH 1226) 4
   - PHYS 2306 Foundations of Physics (Pre: PHYS 2305, MATH 1226) 4
   - PHYS 4714 Introduction to Biophysics (Pre: PHYS 2206 or PHYS 2306) 3
   - BIOL 2124 Cell and Molecular Biology for Engineers\(^\ast\) (Pre: COS/ENGR 2164) 2

II. **Select 9 credit hours from the list below:**
   - PHYS 3704 Thermal Physics (Pre: PHYS 2306, PHYS 3324, Co: PHYS 2504, MATH 2214) 3
   - PHYS 4564 Polymer Physics (Pre: PHYS 2306) 3
   - PHYS 4574 Nanotechnology (Pre: PHYS 2205, 2206 or PHYS 2305, 2306) 3
   - PHYS 4614 Optics (Pre: PHYS 2306, MATH 2214, MATH 2204) 3
   - PHYS 4755 Intro to Computational Physics (Pre: PHYS 2306, CS 1044) 3
   - BIOL 3774 Molecular Biology (Pre: BIOL 2104) 3
   - BIOL 4884 Cell Biology (Pre: BIOL 3774 or BCHM 4116) 3
   - SYSB 2024 Fundamentals of Systems Biology (Pre: ISC 1106 or (BIOL 1105, CHEM 1036, MATH 1026) or (BIOL 1105, CHEM 1036, MATH 1226)) 3

Total 22 credit hours.

III. **Notes**
   1. Minimum GPA
      Must have a 2.0 or higher for all courses used to complete this minor.
   2. \(^\ast\)Acceptable substitution
      BIOL 2134 Cell Function and Differentiation is an acceptable substitution for BIOL 2124.
   3. Prerequisites and corequisites
      For the courses listed above, prerequisites and/or corequisites apply. Please check with your advisor or consult the Undergraduate Course Catalog.