

College of SCIENCE  
Department of PHYSICS  
Minor in BIOLOGICAL PHYSICS  
For student date of entry under UG Catalog 2021-2022  
All courses below have prerequisites or corequisites. These are listed below.

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 <input type="checkbox"/>
PHYS 2306 Foundations of Physics (Pre: PHYS 2305, MATH 1226)	4 <input type="checkbox"/>
PHYS 4714 Introduction to Biophysics (Pre: PHYS 2206 or PHYS 2306)	3 <input type="checkbox"/>
BIOL 2124 Cell and Molecular Biology for Engineers^ (Pre: COS/ENGR 2164)	2 <input type="checkbox"/>

**II. Select 9 credit hours from the list below:**

PHYS 3704 Thermal Physics (Pre: PHYS 2306, PHYS 3324, Co: PHYS 2504, MATH 2214)	3 <input type="checkbox"/>
PHYS 4564 Polymer Physics (Pre: PHYS 2306)	3 <input type="checkbox"/>
PHYS 4574 Nanotechnology (Pre: PHYS 2205, 2206 or PHYS 2305, 2306)	3 <input type="checkbox"/>
PHYS 4614 Optics (Pre: PHYS 2306, MATH 2214, MATH 2204)	3 <input type="checkbox"/>
PHYS 4755 Intro to Computational Physics (Pre: PHYS 2306, CS 1044)	3 <input type="checkbox"/>
BIOL 3774 Molecular Biology (Pre: BIOL 2104)	3 <input type="checkbox"/>
BIOL 4884 Cell Biology (Pre: BIOL 3774 or BCHM 4116)	3 <input type="checkbox"/>
SYSB 2024 Fundamentals of Systems Biology (Pre: ISC 1106 or (BIOL 1105, CHEM 1036, MATH 1026) or (BIOL 1105, CHEM 1036, MATH 1226))	3 <input type="checkbox"/>

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) ^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.