

College of SCIENCE
Department of PHYSICS
Minor in BIOLOGICAL PHYSICS

For students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021

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 ^A (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 3124 Cell Physiology (Pre: BIOL 2104, CHEM 2536)	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 2025 Introduction to Systems Biology (Pre: ISC 1106 or (BIOL 1105, CHEM 1036, MATH 1026))	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) ^AAcceptable substitution
BIOL 2104 Cell and Molecular Biology 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.