Mathematics for Biology, Minor

The Mathematics for Biology Minor is an excellent complement to many majors; including physics, chemistry, engineering, computer science, biology, and more. The curriculum is designed to provide students with the opportunity to widen their background and skills in mathematics in order to gain a deeper understanding of the role that mathematics can play in their major coursework, with an emphasis on mathematical modeling in biology.

A. Complete:	
MATH 13	Introduction to Abstract Mathematics
MATH 113A- 113B	Mathematical Modeling in Biology I and Mathematical Modeling in Biology II
B. Select two of the following:	
MATH 105A	Numerical Analysis I (plus MATH 105LA)
MATH 112A	Introduction to Partial Differential Equations and Applications I
MATH 117	Dynamical Systems
MATH 118	The Theory of Differential Equations
MATH 121A	Linear Algebra I
MATH 140A	Elementary Analysis I
C. One additional four-unit upper-division lecture course in MATH numbered 100–189.	

NOTE: Nearly all upper-division courses in Mathematics have MATH 2A-MATH 2B as prerequisites, and many courses have additional prerequisites such as MATH 2D, MATH 2E, MATH 3A, and/or MATH 3D.

- Applied and Computational Mathematics, B.S.
- Mathematics, B.S.
- Mathematics, M.S.
- Mathematics, Minor
- Mathematics, Ph.D.