

Biomathematics Minor

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The minor in Biomathematics is designed to provide students with a broad introduction to the applications of mathematics in modern biology. Combining a background in biology with a background in mathematics, students completing a minor in biomathematics will be well-prepared to understand and contribute to current research questions in the field, ranging from molecular to population studies using both continuous and discrete modeling approaches.

Total Hours Required			30 semester hours
BIOL 117	General Biology: Cells, Genetics, Evolution		3
BIOL 119	General Biology: Diversity, Physiology, Ecology		3
BIOL 116	N/General Biology Lab		2
BIOL 250	Biological Data Analysis	OR	3
MATH 242	R/Elements of Probability and Statistics	OR	
MATH 262	R/Applied Statistics	OR	
MATH 360	Probability and Statistics I		
BIOL 203	Principles of Ecology	OR	3
BIOL 222	Genetics	OR	
BIOL 271	Heredity		
MATH 233	Elementary Linear Algebra	OR	3
MATH 237	R/Introduction to Discrete Mathematics	OR	
MATH 239	Introduction to Mathematical Proof		
BIOL/ MATH 340	Modeling Biological Systems		3
MATH 383	Biomathematics Seminar		1
One elective Biology course above the 100-level which is available for biology major credit.			3
Two 3-hour elective Mathematic courses, one at or above the 200-level and one at the 300-level.			6