

BIOMATHEMATICS MINOR REQUIREMENTS: ADVISEMENT FORM

Name:

UMBC username or ID:

The minor in biomathematics consists of 30 credits from the following core courses PLUS, an additional 6 credit hours from electives listed below. Two of the core courses cannot be used to satisfy the requirements of any other major and none of the electives can be used to satisfy the requirements of any other major. At least 3 of the elective credits must be from the MATH courses on the list. The Undergraduate Program Director may approve alternative courses in justified individual situations upon petition by the student.

I. Core Requirements

	Semester/Year	Grade
BIOL 141 Foundations of Biology (Cells, Energy, Organisms)	_____	_____
BIOL 142 Foundations of Biology (Ecology/Evolution)	_____	_____
BIOL 302 Molecular and General Genetics	_____	_____
STAT 350 Statistics with Applications in the Biological Sciences	_____	_____
OR		
STAT 355 Introduction to Probability and Statistics for Scientists and Engineers	_____	_____
MATH 151 Calculus and Analytical Geometry I	_____	_____
MATH 152 Calculus and Analytical Geometry II	_____	_____
MATH 221 Introduction to Linear Algebra	_____	_____
MATH 355 Biomathematics	_____	_____

II. Electives

	Semester/Year	Grade
MATH 385 Introduction to Mathematical Modeling	_____	_____
MATH 426 Introduction to Math Software-MATLAB	_____	_____
MATH 447 Introduction to Parallel Computing	_____	_____
MATH 469 Mathematical Physiology	_____	_____
STAT 414 Environmental Statistics	_____	_____
STAT 419 Introduction to Biostatistics	_____	_____
STAT 432 Statistical Computer Packages	_____	_____
STAT 454 Applied Statistics	_____	_____

NOTE: A majority of courses offered toward the minor must be completed in residence at UMBC. A grade of "C" or better must be earned in all courses and prerequisites applied toward the minor. A course taken on a P/F basis will not count toward the minor.