

# BIOLOGY (B.S.) - BLOOMFIELD COLLEGE

## Program Requirements

Code	Title	Credits
<b>A. First Year Seminar</b>		
FYS 100	First Year Seminar	3-4
<b>B. Mathematics</b>		
MTH 130	Transition to Collegiate Mathematics	4
MTH 141	College Algebra	4
or MTH 161	Precalculus	
<b>C. Writing</b>		
Students who take WRT 102 must then take WRT 108. Students who take WRT 105A must then take WRT 109.		
WRT 105A	Argumentative and Analytic Writing (or WRT 102 Enhanced Argumentative and Analytic Writing)	4
or WRT 106A	Accelerated Argumentative and Analytic Writing	
WRT 108	Enhanced Synth/Research Writing	4
or WRT 109	Synthesis Research Writing	

## Major Requirements

Code	Title	Credits
<b>Required Courses</b>		
BIO 111B	General Biology: Cell	4
BIO 121	General Biology: Diversity	4
BIO 200	Microbiology	4
BIO 205	Human Anatomy and Physiology I	4
BIO 206	Human Anatomy and Physiology II	4
BIO 213A	Molecular and Cellular Biology	4
BIO 320	Ecology	4
BIO 450A	Bioseminar	4
CHM 111	General Chemistry I	4
CHM 112	General Chemistry II	4
CHM 301	Organic Chemistry I	3-4
CHM 302	Organic Chemistry II	3-4
PHY 105	General Physics I	4
PHY 106	General Physics II	4
MTH 200	Applied Statistics I	4
MTH 221C	Calculus Analytic Geometry I	4
Select three of the following:		
BIO 208 Advanced Zoology		
BIO 214 Issues in Human Ecology		
BIO 304 Developmental Biology		
BIO 309A	Genetics	
BIO 317	Immunology	
BIO 326 Histology		
BIO 390 Science Internship		
BIO 401	Biochemistry I	
BIO 402	Biochemistry II	
BIO 412 General Mammalian Physiology		

BIO 430 Advanced Topics in Biology

BIO 460 Bioresearch

## Bloomfield College General Education

Click here for a list of courses that fulfill General Education categories (<http://catalog.montclair.edu/programs/general-education-requirements-bloomfield/>)

Code	Title	Credits
Take one course from Aesthetic Appreciation Skills		
Take one course from Communication Skills		
Take one course from Technological & Digital Literacy Skills		
<b>Take two courses from the following:</b>		
Either two courses from Transcultural & Global Awareness OR one course from Transcultural & Global Awareness AND one course from Civic Engagement Skills		

## Writing Intensive

Complete two writing intensive courses.

## Upper Level Course Requirement

Complete 15 courses at the 200-level or higher