

BIOLOGY (B.S.) (COMBINED B.S./M.B.A. BUSINESS ADMINISTRATION)

A Combined Degree program enables undergraduate students to enroll in graduate courses in their senior year, which can be counted towards the completion of both their Bachelor's and Master's degree requirements.

The ability to take these "swing courses" allows students to earn both their Bachelor's and Master's degrees in a shortened period of time, typically within five years of intensive study. Undergraduate students interested in this option can find more information regarding program requirements on the University's Combined Programs website (<https://www.montclair.edu/combined-programs/programs-of-study/>).

Certain pre-qualified students may be accepted into the major; others will need to complete the following:

3.00 overall GPA required

Please note: The Biology and Molecular Biology majors have retention policies. By the end of their second semester in the major (i.e. spring), students must maintain a minimum 2.00 GPA and have completed the following courses: BIOL 112 and/or BIOL 113, CHEM 106 and/or CHEM 120, and MATH 111. These criteria do not apply to students entering in the Fall in the <https://www.montclair.edu/university-college/stem-pioneers/> STEM Pioneers Program

Successfully complete one semester of a math, biology and chemistry course in the major with a C- or higher

Departmental advising meeting required.

Contact: Dr. Dirk Vanderklein, Science Hall, Room 116, 973-655-5265

120 credits of coursework is required for the baccalaureate degree with a minimum 2.0 overall GPA, and a minimum 2.0 major GPA.

Program Requirements

Students in this combined degree program must complete the requirements for:

Biology Major (B.S.) (<http://catalog.montclair.edu/programs/biology-bs/>)

Business Administration (M.B.A.) (<http://catalog.montclair.edu/programs/mba/>)

Graduate Swing Courses

A combined degree program allows students to complete 6-12 graduate credits ("graduate swing courses") while enrolled as an undergraduate. These courses count for both their bachelor and master's degrees. Graduate swing courses will count toward undergraduate free electives, unless noted otherwise.

The Graduate Swing Courses for this program:

M.B.A. Graduate Swing Courses (<http://catalog.montclair.edu/programs/mba-graduate-swing-courses-combined-programs/>)

Recommended Roadmap to Degree(s)

This recommended five-year plan is provided as an outline for students to follow in order to complete their degree requirements within five years. This plan is a recommendation and students should only use it in consultation with their academic advisor.

Fifth year courses are taken at the graduate level, after matriculation into the graduate portion of this combined degree program.

Undergraduate Roadmap

First Year

Fall	Credits	Spring	Credits
GENERAL EDUCATION: (A) New Student Seminar		1 GENERAL EDUCATION: (C2) Literature	3
GENERAL EDUCATION: (C1) Writing	3	BIOL 113	4
BIOL 112	4	CHEM 121	4
CHEM 120	4	Collateral Math/Applied Math/Statistics course.	4
Collateral Math/Applied Math/Statistics course.	4		
		16	15

Second Year

Fall	Credits	Spring	Credits
GENERAL EDUCATION: (C3) Communication		3 GENERAL EDUCATION: (G) Computer Science	3
World Language 1	3	GENERAL EDUCATION: (K2) Social Science – Global Cultural Perspectives	3
BIOL 230	4	World Language 2	3
CHEM 230	3	BIOL 213	4
CHEM 232	2	CHEM 231	3
		15	16

Third Year

Fall	Credits	Spring	Credits
BIOL 380		4 GENERAL EDUCATION: (J) Physical Education	1
PHYS 191 or 193	4	BIOL 417	3
Cell/Molecular Elective	3-4	PHYS 192 or 193	4
Ecology Elective	3-4	Organismal Elective	3-4
		Additional Major Elective	3-4
		14-16	14-16

Fourth Year

Fall	Credits	Spring	Credits
GENERAL EDUCATION: (D) Fine and Performing Arts		3 GENERAL EDUCATION: (K3) Social Science – Social Science Perspectives	3
GENERAL EDUCATION: (F1) Humanities – Great Works and Their Influences	3	Graduate Swing courses	6

GENERAL EDUCATION: (F2) Humanities – Philosophical and Religious Perspectives	3 Free Electives	5-1
GENERAL EDUCATION: (K1) Social Science – American and European History	3	
Additional Major elective	4	
	16	14-10

Total Credits 120

MBA Elective	1.5
	10.5
Total Credits 30	9

Graduate Roadmap

Fourth Year

Summer Credits

First Half

MBA Core course	1.5
MBA Core course	1.5
MBA Elective course	1.5

Second Half

MBA Core course	3
MBA Core course	1.5
MBA Core course	1.5

10.5

Fifth Year

	Fall	Credits	Spring	Credits
	First Half		First Half	
	MBA Core course	1.5	MBA Core course	3
	MBA Flexible Core course	1.5	MBA Elective course	1.5
	MBA Flexible Core course	1.5	Second Half	
	MBA Elective course	1.5	MBA Core course	1.5
	Second Half		MBA Core course	1.5
	MBA Core course	1.5	MBA Core course	1.5
	MBA Core course	1.5		