

PHYSICS (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. 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/>).

Program Requirements

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

Physics Major (B.S.) (<http://catalog.montclair.edu/programs/physics-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.

First Year			
Fall	Credits	Spring	Credits
New Student Seminar	1	PHYS 198	1
SEEDS: Effective Writing I	3	SEEDS: Effective Writing II	3
AMAT 120 or MATH 122 (Fulfills SEEDS: Quantitative Reasoning)	4	AMAT 220 or MATH 221	4
PHYS 191 (Fulfills SEEDS: Exploration 1 - Scientific Reasoning)	4	PHYS 192	4
CSIT 104	3	Major Elective	4
15		16	

Second Year			
Fall	Credits	Spring	Credits
MATH 222	3	AMAT 350, MATH 325, or PHYS 377	3
PHYS 210	3	PHYS 320	3
PHYS 230	4	PHYS 340	3
SEEDS: World Language 1	3	SEEDS: Interactive Communication	3
		SEEDS: World Language 2 or Free Elective	3
14		15	

Third Year			
Fall	Credits	Spring	Credits
SEEDS: Exploration 2	3	SEEDS: Exploration 3	3
PHYS 220	3	PHYS 360	3
CHEM 120	4	CHEM 121	4
Free Elective	3	Physics Elective	3
Free Elective	3		
16		13	

Fourth Year			
Fall	Credits	Spring	Credits
PHYS 300	1	PHYS 330	4
PHYS 464	3	Physics Elective	3
SEEDS: Political and Civic Life	3	SEEDS: Exploration 4	3
Free Elective	3	MBA Graduate Swing Courses	6
Free Elective	3		
Free Elective	2		
15		16	

Total Credits 120

Graduate Program Roadmap

Fourth Year	
Summer	Credits
First Half	
MBA Core course	1.5
MBA Elective	1.5
Second Half	
MBA Core course	1.5
MBA Core course	1.5
6	

Fifth Year			
Fall	Credits	Spring	Credits
First Half		First Half	
MBA Core course	1.5	MBA Core course	1.5
MBA Core course	1.5	MBA Core Course	1.5

MBA Flexible Core course	1.5	MBA Flexible Core	1.5
MBA Elective	1.5	MBA Elective	1.5
Second Half		Second Half	
MBA Core course	1.5	MBA Core course	1.5
MBA Core course	1.5	MBA Core course	1.5
MBA Elective	1.5	MBA Core course	1.5
	10.5		10.5

Total Credits 27