

MATHEMATICS (B.S.) (COMBINED B.S./M.S. MATHEMATICS)

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/>).

Program Requirements

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

Mathematics (B.S.) (<http://catalog.montclair.edu/programs/mathematics-bs/>)

Mathematics (M.S.) (<http://catalog.montclair.edu/programs/mathematics-ms/>)

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:

Code	Title	Credits
MATH 521	Real Variables I	3
MATH 535	Linear Algebra I	3
Complete two graduate electives. See the graduate program page for the course list.		6
Total Credits		12

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
GENERAL EDUCATION: (A) New Student Seminar	1	GENERAL EDUCATION: (C2) Literature	3
GENERAL EDUCATION: (C1) Writing	3	GENERAL EDUCATION: (C3) Communication	3

CSIT 111 or 104	3	GENERAL EDUCATION: (J) Physical Education	1
MATH 122	4	MATH 221	4
PHYS 191	4	PHYS 192	4
		15	15

Second Year

Fall	Credits	Spring	Credits
General Education course	3	General Education course	3
World Language 1	3	World Language 2	3
MATH 222	4	MATH 340	3
MATH 225	4	Free Elective	3
Free Elective	2	Free Elective	3
		16	15

Third Year

Fall	Credits	Spring	Credits
General Education course	3	General Education course	3
General Education course	3	General Education course	3
MATH 320	3	MATH 431	3
MATH Elective course	3	MATH Elective course	3
MATH Elective course	3	MATH Elective course	3
		15	15

Fourth Year

Fall	Credits	Spring	Credits
General Education course	3	MATH Elective course	3
World Cultures	3	MATH 521	3
MATH 425	3	Graduate MATH Elective 2	3
MATH 499	1	Free Elective	4
MATH 535	3		
Graduate MATH Elective 1	3		
		16	13

Total Credits 120

Fifth Year

Fall	Credits	Spring	Credits
MATH 540	3	MATH 531	3
Graduate MATH Elective 3	3	Graduate MATH Elective 5	3
Graduate MATH Elective 4	3	Culminating Experience	3
		9	9

Total Credits 18