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. 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
MATH 102 (Fulfills New Student Seminar)	1	MATH 221	4
SEEDS: Effective Writing I	3	SEEDS: Effective Writing II	3
MATH 122 (Fulfills SEEDS: Quantitative Reasoning)	4	PHYS 192	4
PHYS 191 (Fulfills SEEDS: Exploration 1 - Scientific Reasoning)	4	SEEDS: Interactive Communication	3
CSIT 111 or 104	3		
	15		**14**

Second Year

Fall	Credits	Spring	Credits
MATH 222	4	MATH 320	3
MATH 225	4	MATH 340	3
SEEDS: Exploration 2	3	Free Elective	3
Free Elective	3	Free Elective	3
SEEDS: World Language 1	3	SEEDS: World Language 2 or Free Elective	3
	17		**15**

Third Year

Fall	Credits	Spring	Credits
SEEDS: Exploration 3	3	SEEDS: Exploration 4	3
MATH Elective course	3	MATH Elective course	3
Free Elective	3	MATH 431	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
MATH 425	3	MATH Elective course	3
MATH 499	1	MATH 521	3
MATH 535	3	Graduate MATH Elective 2	3
Graduate MATH Elective 1	3	Free Elective	4
Free Elective	3	Free Elective	1
Free Elective	2		
	15		**14**

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