FALL 2025

COURSE	CODE	CR	G	TR
General Education Foundation (32 CR)				
COMMUNICATION (6 CR)				
English Composition I	ENG 111	3		
English Composition II	ENG 112	3		
MATH/SCIENCE/TECHNOLOGY (11 CR)				
Restricted Laboratory Science*		4		
Restricted Laboratory Science*		4		
Technology Elective**#		3		
SOCIAL SCIENCE (3 CR)				
Choose from General Education course list (Social Science)				
		3		
HUMANITIES (3 CR)				
Choose from General Education course list (Humanities)				
		3		
SOCIAL SCIENCE OR HUMANITIES (3 CR)				
Choose from General Education course list (Social Science or Humanities)				
		3		
GENERAL EDUCATION ELECTIVES (6 CR)				
Choose from General Education course list (General Education) #				
		3		
		3		
MATHEMATICS CORE (28 CR)				
Analytic Geometry & Calculus I	MAT 131	4		
Analytic Geometry & Calculus II	MAT 132	4		
Calculus III	MAT 230	4		
Linear Algebra	MAT 228	3		
Discrete Mathematics **OR**	MAT 225	4		
Ordinary Differential Equations	MAT 244	4		
Computer Programming for Engineers **OR**	ENR 125	3		
Introduction to Data Science#	MAT 114	3		
Free Electives+#		6		
	TOTAL	60		

NOTES:

This is an unofficial document and should be used for academic planning purposes only. All students are required to see their Academic Advisor each semester to discuss and approve their selection of courses before they register. Due to continual program revisions mandated by accrediting agencies and/or changes in state mandated requirements, students should consult their academic advisor when selecting courses.

If you need the name of your academic advisor, contact the Math Department office, SH 319, 973-328-5707 or athurman@ccm.edu.

To determine the transferability of your courses to participating NJ Colleges & Universities, access www.njtransfer.org.

*See reverse side for choices.

**You may take CMP 128, CMP 131 or CMP 135.

+Please discuss these choices with your Academic Advisor.
Students interested in using free elective credits to complete the Internship-Quantitative Analysis (MAT 221, MAT 222, or MAT 223), contact athurman@ccm.edu.

Students interested in completing the Data Analytics certificate should choose these electives carefully and consult with the Information Technology Department, EH 225, 973 328-5780.

MATHEMATICS OPTION
Science & Math Degree
#2150
Suggested Sequence by Semester

This suggested sequence does not include any required developmental courses.
Degree completion time may vary depending upon the number of credits taken each semester.

SEMESTER I		CREDITS	SEMESTER II		CREDITS
English Composition I	ENG 111	3	English Composition II	ENG 112	3
Humanities Elective		3	Social Science or Humanities		3
Calculus I	MAT 131	4	Calculus II	MAT 132	4
Laboratory Science		4	Laboratory Science		4
Social Science Elective		3			
	TOTAL	17		TOTAL	14

SEMESTER III			SEMESTER IV		
Discrete Mathematics **OR**	MAT 225	4	General Education Elective		3
Ordinary Differential Equations	MAT 244		Free Elective		3
Technology Elective		3	Linear Algebra	MAT 228	3
Free Elective		3	Computer Programming **OR**	ENR 125	3
Calculus III	MAT 230	4	Introduction to Data Science	MAT 114	
			General Education Elective		3
	TOTAL	14		TOTAL	15

GENERAL EDUCATION ELECTIVES: Please select appropriate courses from the approved list of General Education courses for Humanities, Social Science, Communication or Language, and Math-Science-Technology. Students who plan to transfer to a B.A. (Bachelor of Arts) program should take COM 109, Speech Fundamentals, since this is required under communication for that degree. Click here for the most recent General Education course list.

RESTRICTED LABORATORY SCIENCE: You may choose any two-part sequence of the following, however, please discuss your transfer plan with your academic advisor when selecting your science electives, as certain four-year institutions require specific choices.
- **Unless otherwise noted, science courses listed below are each 4 CR, 8 CR for the sequence.**

BIO 121-122 General Biology I, II   BIO 101-102 Anatomy & Physiology I, II
CHM 125/126 – 127/128 Gen. Chemistry I, II   PHY 125/126 – 127/128 Gen. Physics I, II
PHY 130 – PHY 133/134, Engineering Physics I, II (PHY 133 – 4 CR, PHY 134 – 1 CR) – sequence total is 9 CR.

NOTE: Students will not receive credit towards graduation for more than one of the following courses: MAT 124, Statistics and MAT 130, Probability and Statistics.

HONORS COURSES: You may be eligible to take honors courses. Discuss this option with your Academic Advisor.