

SCIENCE & MATH DEGREE
Mathematics Option
#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			SEMESTER II		
		CREDITS			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		<u>4</u>
Social Science Elective		<u>3</u>			
	TOTAL	17		TOTAL	14
SEMESTER III			SEMESTER IV		
Discrete Mathematics	OR MAT 225	4	General Education Elective	Free	3
Ordinary Differential Equations	MAT 244		Elective		3
Technology Elective		3	Linear Algebra	MAT 228	3
Free Elective		3	Computer Programming	OR ENR 125	3
Calculus III	MAT 230	<u>4</u>	Introduction to Data Science	MAT 114	
	TOTAL	14	General Education Elective		<u>3</u>
				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: Any two-part sequence of the following:
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

DATA ANALYTICS CERTIFICATE OF ACHIEVEMENT: Students interested in obtaining this certificate should consider the following electives:

- Technology Elective (3-Credits):** CMP 131 Fundamentals of Programming
- General Education Electives (4-Credits):** MAT 130 Probability and Statistics
- Restrictive Electives (3-Credits):** MAT 114 Intro to Data Science
- Free Electives (3-Credits):** CMP 241 Database Programming
- Free Electives (3-Credits):** **One of the Following Courses Below:**
 - CMP 262 Data Science Programming
 - ENR 264/CMP 264 Machine Learning
 - MAT 223 Internship-Quantitative Analysis

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.