

**DATA ANALYTICS
#0150**

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
Introduction to Data Science	MAT 114	3	Database Programming	CMP 241	3
Probability & Statistics	MAT 130	4	Data Science Programming OR	CMP 262	3
Fundamentals of Prog	CMP 131	3	Internship – Quantitative Analysis	MAT 223	
			Machine Learning+	ENR 264/ CMP 264	
	TOTAL	10		TOTAL	6

CERTIFICATE COMPLETION

Because some of the courses in the Data Analytics certificate are prerequisites of others, the certificate will take at least two semesters to complete (this does not include any developmental course work in math that may be required).

MATH PREREQUISITE INFORMATION

In order to enroll in MAT 114, Introduction to Data Science and MAT 130, Probability and Statistics, students must have the proper exemption by either passing through the Algebra Accuplacer placement test, review of the high school transcript (for recent graduates), have the minimum SAT, ACT, NJSLA scores, or appropriate transfer of credit in a college math course.

OTHER PREREQUISITE INFORMATION

The prerequisite of CMP 241 is CMP 131 Fundamentals of Programming

The prerequisite for CMP 262 is CMP 131 Fundamentals of Programming

The prerequisite for ENR 264/CMP 264 is MAT 114 Introduction to Data Science AND CMP 131 Fundamentals of Programming

+Machine Learning is a cross-listed course (ENR 264/CMP 264); consult with your advisor as to which course best suits your academic program needs

HONORS OPTION

There is an honors option for MAT 130 Probability and Statistics, students can take MAT 183 Honors Probability and Statistics.

GENERAL EDUCATION: [Click here for the most recent General Education course list.](#)