COUNTY COLLEGE OF MORRIS CURRICULUM CHECK SHEET

Requirements for Graduation Certificate of Achievement

#0150 **DATA ANALYTICS Certificate of Achievement**

Name:	
ID	Total Transfer Credits

FALL 2022

COURSE		CODE	CR	GR	TR	NOTES:		
						This is an unoffic		
*Introduction to Data Science		MAT 114	3			should be used for purposes only. The certificate in E prepare individuals science techniques from data and iden trends utilizing mu Analytics courses with instruction in component computer programmachine learning,		
*Probability and Statistics I		MAT 130	4					
Fundamentals of Programming		CMP 131	3					
Database Programming		CMP 241	3					
Data Science Programming Machine Learning	OR	CMP 262 ENR 264	3			statistics, and visu modeling. Student		
Macmine Learning		LIM 204				world databases to societal problems issues related to d and integrity. For more informa advisement assista Kelly Fitzpatrick		
		TOTAL	16					
						Certificate awarde completion of all coverall average of		
						*Students must ha exemption by eith Algebra Accuplac review of the high recent graduates), SAT, ACT, NJSL		
						appropriate transfer college math cour		

ial document and r academic planning

Data Analytics will s to apply data to generate insights tify and predict Iltiple variables. Data will include puter databases, ming inference, probability and al analytics and s will work with real answer and solve and explore ethical ata privacy, security,

ion, and/or nce, contact Prof. at (973) 328-5765 or edu

d after successful courses with an 2.0 or better.

ve the proper er passing through the er placement test, school transcript (for have the minimum A scores, or er of credit in a se.

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	·	CREDITS	SEMESTER II		CREDITS
Introduction to Data Science	MAT 114	3	Database Programming	CMP 241	3
Probability & Statistics I	MAT 130	4	Data Science Programming OR	CMP 262	3
Fundamentals of Prog	CMP 131	3	Machine Learning	ENR 264	
	TOTAL	10		TOTAL	6

CERTIFCATE 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 I, 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 is MAT 114 Introduction to Data Science AND CMP131 Fundamentals of Programming

HONORS OPTION

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

GENERAL EDUCATION: Click here for the most recent General Education course list.