MATH BA-DATA SCIENCE PROGRAM COMPLETION PLAN

Cr.	First Semester	Cr.	Second Semester
4	MATH 125 Calculus I	4	MATH 126 Calculus II
3	COMPSCI 115 Python Programming	3	COMPSCI 215 Advanced Python Programming
3	ENGLISH 101 Foundations of Writing	3	DATASCI 110 Introduction to Data Science
3	General Education Course	3	General Education Course
1	INTSTUDY 100 University Seminar	3	General Education Course
14	Total Semester Credits	16	Total Semester Credits

Cr.	Third Semester	Cr.	Fourth Semester
3	MATH 185 Discrete Mathematics	3	MATH 241 Probability & Statistics
4	DATASCI 210 Data Vizualization	3	MATH 240 Statistical Methods or MATH 141 Introduction to Statistics
3	INTSTUDY 231 Tech Writing (suggested)	3	COMPSCI 357 Data Base Design
3	General Education Course	3	General Education Course
2	General Education Course	3	General Education Course
15	Total Semester Credits	15	Total Semester Credits

Cr.	Fifth Semester	Cr.	Sixth Semester
3	DATASCI 310 Databases for Big Data	3	DATASCI 410 Machine Learning
3	MATH 340 Statistical Software (or Major Elective)	3	COMPSCI 348 Data Mining
3	Major Elective	3	Major Elective
3	General Education Course	3	General Education Course
3	General Education Course	3	General Education Course
15	Total Semester Credits	15	Total Semester Credits

Cr.	Seventh Semester	Cr.	Eighth Semester
3	DATASCI 420 Advanced Data Science	3	Free Elective
3	Major Elective (or MATH 340)	3	. Free Elective
3	General Education Course	3	Free Elective
3	General Education Course	3	Free Elective
3	General Education Course	3	Free Elective
15	Total Semester Credits	15	Total Semester Credits

TOTAL CREDITS: 120

IMPORTANT NOTES:

General Education courses shown as an example only. The number will depend on the choice of courses.

Major Electives shown as an example only; consult advisor for current schedule of department electives.

Number of Free Electives will depend on general education and major elective choices.