

Natural Sciences or Mathematics AS: Data Science Option

The Data Science option prepares students to transfer into the junior year of a baccalaureate program in data science or a related area such as data analytics or applied mathematics. Data science occupations include teaching positions at all levels, data scientists, data analysts, data engineers, data architects, business analysts and statisticians.

Data Science Recommended Semester Sequence

First Semester

Course Name	Credit Hours
English Composition I	3
Calculus I	4
Fundamentals of Programming	3
Communication Elective	3
Humanities Elective	3
Credit Hours:	16

Second Semester

Course Name	Credit Hours
English Composition II	3
Calculus II	4
Statistics	4
Foundations of Data Science*	4
Credit Hours:	15

*Suggested open-source course from UC Berkeley.

Third Semester

Course Name	Credit Hours
Advanced Programming Concepts	3
Calculus III	4
Linear Algebra	4
Physics I	4
Credit Hours:	15

Fourth Semester

Course Name	Credit Hours
Discrete Math [Computer Science]	4
Differential Equations	4
Social Science Elective	3
Humanities Elective	3
Credit Hours:	14