

Data Science Option
#2501
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
Fundamentals of Programming	CMP 131	3	Database Programming (SQL)	CMP 241	3
Probability & Statistics	MAT 130	4	Computer Science I	CMP 128	3
English Composition I	ENG 111	3	English Composition II	ENG 112	3
Humanities Elective		3	Precalculus	MAT 123	4
Intro to Data Science	MAT 114	<u>3</u>	Social Science Elective		<u>3</u>
	TOTAL	16		TOTAL	16
SEMESTER III			SEMESTER IV		
Computer Science II (Java)	CMP 129	3	Data Structures & Algorithms	CMP 233	3
Laboratory Science Sequence		4	Laboratory Science Sequence		4
Analytic Geometry & Calculus I	MAT 131	4	Diversity Elective		3
Data Science Programming OR	CMP 262	3	Discrete Mathematics	MAT 225	<u>4</u>
Machine Learning	CMP 264				
	TOTAL	14		TOTAL	14

HUMANITIES: Select one, three-credit Humanities elective from the list of approved General Education courses. PHL 114 Ethics is the recommended elective.

SOCIAL SCIENCE: Select one, three-credit Social Science elective from the list of approved General Education courses. PSY 113 General Psychology is the recommended elective.

DIVERSITY: Select one, three-credit Diversity elective from the list of approved General Education courses.

LABORATORY SCIENCE SEQUENCE: Choose a two-part laboratory science sequence from the following: PHY 125/126 and PHY 127/128, General Physics Lab and Lecture I & II, CHM 125/126 and CHM 127/128, General Chemistry Lab and Lecture I & II or BIO 101 and BIO 102, Anatomy and Physiology I & II.

COMPUTER INFORMATION SYSTEMS ELECTIVES: Select CMP 262 Data Science Programming or CMP 264 Machine Learning.

HONORS COURSES: You may be eligible to take honors courses. Discuss this option with your Academic Advisor.

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