

Bachelor of Science in Data Science Sample Schedule of Classes (121 credits)

	Fall 1	Spring 1	Fall 2	Spring 2	Fall 3	Spring 3	Fall 4	Spring 4
Foundation	Freshman Seminar 1	Freshman Seminar 2	Armenian Language & Literature 1	Armenian Language & Literature 2	Armenian History 1	Armenian History 2		
Data Science Core	CS100 Calculus 1	CS101 Calculus 2	CS102 Calculus 3	ENGS211 Numerical Methods				DS299 Capstone
	CS111 Discrete Math	BUS101 Introduction to Business	CS107 Probability	CS108 Statistics 1	DS110 Statistics 2			
	CS110 Intro to Computer Science	DS120 Programming for Data Science	CS104 Linear Algebra	DS205 Databases and Distributed Systems	CS246 Artificial Intelligence			
			DS115 Data Structures/ Algorithms for Data Science (4)	DS150 Physics & Chemistry in Life Sciences	DS116 Data Visualization	CS251 Machine Learning		
Gen-Ed	<i>Gen-Ed 1</i>	<i>Gen-Ed 2</i>		<i>Gen-Ed 3</i>			<i>Gen-Ed 4</i>	<i>Gen-Ed 5</i>
								<i>Gen-Ed 6</i>
Free Electives							<i>Free Elective 1</i>	<i>Free Elective 3</i>
							<i>Free Elective 2</i>	

Tracks

Bioinformatics Track					DS151 Cell & Molecular Biology	DS211 Intro to Bioinformatics	DS215 Systems Biology	<i>Bioinformatics Elective 2</i>
						DS213 Computational Biology	<i>Bioinformatics Elective 1</i>	
Total Credits	<u>15</u>	<u>15</u>	<u>16</u>	<u>18</u>	<u>15</u>	<u>12</u>	<u>15</u>	<u>15</u>
Business Analytics Track					DS 227 Business Analytics for Data Science	DS206 Business Intelligence	DS223 Marketing Analytics	<i>Business Analytics Elective 2</i>
						DS207 Time Series Forecasting	<i>Business Analytics Elective 1</i>	
Total Credits	<u>15</u>	<u>15</u>	<u>16</u>	<u>18</u>	<u>15</u>	<u>12</u>	<u>15</u>	<u>15</u>