

Bachelor of Science in Data Science Sample Schedule of Classes – Bioinformatics Track (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 (3)	Armenian Language & Literature 2	Armenian History 1	Armenian History 2		
Data Science Core	Calculus: Single Variable (4)	Calculus: Multi Variable (4)	Probability (3)	Numerical Analysis				Capstone
	Discrete Math	Introduction to Business (3)	Linear Algebra and ODE (4)	Statistics 1	Statistics 2			
	Intro to Computer Science	Programming for Data Science	Data Structures/ Algorithms for Data Science (4)	Databases and Distributed Systems	Artificial Intelligence			
					Data Visualization	Machine Learning		
Bioinformatics Track				Physics & Chemistry in Life Sciences	Cell & Molecular Biology	Intro to Bioinformatics	Systems Biology	<i>Bioinformatics Elective 2</i>
						Computational Biology	<i>Bioinformatics Elective 1</i>	
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>	<i>Gen-Ed 7</i>
Free Electives							<i>Free Elective 1</i>	<i>Free Elective 3</i>
							<i>Free Elective 2</i>	
Total Credits	<u>16</u>	<u>16</u>	<u>17</u>	<u>15</u>	<u>15</u>	<u>15</u>	<u>15</u>	<u>12</u>

Bachelor of Science in Data Science Sample Schedule of Classes – Business Analytics Track (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	Calculus: Single Variable (4)	Calculus: Multi Variable (4)	Probability	Numerical Analysis				Capstone
	Discrete Math	Introduction to Business (3)	Linear Algebra and ODE (4)	Statistics 1	Statistics 2			
	Intro to Computer Science	Programming for Data Science	Data Structures/ Algorithms for Data Science (4)	Databases and Distributed Systems	Artificial Intelligence			
					Data Visualization	Machine Learning		
Business Analytics Track				Intro to Business	Financial Accounting and	Business Intelligence	Analytics for Decision Making	<i>Business Analytics Elective</i>
						Time Series Forecasting	<i>Business Analytics Elective 1</i>	
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>	<i>Gen-Ed 7</i>
Free Electives							<i>Free Elective 1</i>	<i>Free Elective 3</i>
Free Electives							<i>Free Elective 2</i>	
Total Credits	<u>16</u>	<u>16</u>	<u>17</u>	<u>15</u>	<u>15</u>	<u>15</u>	<u>15</u>	<u>12</u>