

## 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
<b>Foundation</b>	Freshman Seminar 1	Freshman Seminar 2	Armenian Language & Literature 1	Armenian Language & Literature 2	Armenian History 1	Armenian History 2		
<b>Data Science Core</b>	Calculus: Single Variable (4)	Calculus: Multi Variable (4)	Probability	Numerical Analysis				Capstone
	Discrete Math	Linear Algebra and ODE (4)	Statistics 1	Statistics 2				
	Intro to Computer Science	Object Oriented Programming	Data Structures and Algorithms (4)	Databases and Distributed Systems	Artificial Intelligence			
					Data Visualization with R	Machine Learning		
<b>Bioinformatics Track</b>				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>	
<b>Gen-Ed</b>	<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>
<b>Free Electives</b>							<i>Free Elective 1</i>	<i>Free Elective 3</i>
							<i>Free Elective 2</i>	
<b>Total Credits</b>	<b>16</b>	<b>17</b>	<b>16</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>12</b>

## 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
<b>Foundation</b>	Freshman Seminar 1	Freshman Seminar 2	Armenian Language & Literature 1	Armenian Language & Literature 2	Armenian History 1	Armenian History 2		
<b>Data Science Core</b>	Calculus: Single Variable (4)	Calculus: Multi Variable (4)	Probability	Numerical Analysis				Capstone
	Discrete Math	Linear Algebra and ODE (4)	Statistics 1	Statistics 2				
	Intro to Computer Science	Object Oriented Programming	Data Structures and Algorithms (4)	Databases and Distributed Systems	Artificial Intelligence			
					Data Visualization with R	Machine Learning		
<b>Business Analytics Track</b>				Intro to Business	Financial Accounting and Analysis	Business Intelligence	Analytics for Decision Making	<i>Business Analytics Elective 2</i>
						Time Series Forecasting	<i>Business Analytics Elective 1</i>	
<b>Gen-Ed</b>	<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>
<b>Free Electives</b>							<i>Free Elective 1</i>	<i>Free Elective 3</i>
							<i>Free Elective 2</i>	
<b>Total Credits</b>	<b>16</b>	<b>17</b>	<b>16</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>12</b>