

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	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	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		
Bioinformatics Track				Physics & Chemistry in Life Sciences	Cell & Molecular Biology	Intro to Bioinformatics	Systems Biology	Bioinformatics Elective 2
						Computational Biology	Bioinformatics Elective 1	
Gen-Ed	Gen-Ed 1	Gen-Ed 2	Gen-Ed 3		Gen-Ed 4	Gen-Ed 5	Gen-Ed 6	Gen-Ed 7
Free Electives							Free Elective 1	Free Elective 3
							Free Elective 2	
Total Credits	16	17	16	15	15	15	15	12

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	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		
Business Analytics Track				Intro to Business	Financial Accounting and Analysis	Business Intelligence	Analytics for Decision Making	Business Analytics Elective 2
						Time Series Forecasting	Business Analytics Elective 1	
Gen-Ed	Gen-Ed 1	Gen-Ed 2	Gen-Ed 3		Gen-Ed 4	Gen-Ed 5	Gen-Ed 6	Gen-Ed 7
Free Electives							Free Elective 1	Free Elective 3
							Free Elective 2	
Total Credits	16	17	16	15	15	15	15	12