BS in Data Science and General Education Requirements – 121 credits

General Education (GE) (13 courses, plus one QS and one SS from core)		DS Major Core (18 courses, 58 credits)	Business Analytics (BA) Track (3 courses +2 Track Electives, 15 credits)		Free Electives (3 courses, 9 credits)
Foundation Requirements (6 courses, 18 credits) Freshman Seminar I Freshman Seminar II Armenian Language/Literature I Armenian Language/Literature II Armenian History I Armenian History II *All undergraduate students must take these 6 courses*	**A N D**	Single Variable Calculus (4) Multi Variable Calculus (4) Linear Algebra & Ordinary Differential Equations (4) Data Visualization Discrete Math Probability Statistics 1 Statistics 2 Numerical Analysis Introduction to Computer Science Programming for Data Science Data Structures/Algorithms for Data Science (4) Machine Learning Artificial Intelligence Databases and Distributed Systems Physics & Chemistry in Life Sciences Intro to Business Capstone	Track Requirements (3 courses) Business Intelligence Time Series Forecasting Analytics for Decision Making Track Electives (2 courses from following) *Business Data Management Marketing Analytics eCommerce Stochastic Modeling*	**A N D**	*Any three additional courses offered at AUA*
Quantitative Science Requirements (2 courses, 6 credits, + core course Physics & Chemistry in Life Sciences)					
BA Track / **BI Track** Two courses coded as GE-QS, as a cluster / Cell & Molecular Biology -------------------------- + one upper QS course as a cluster			**OR**		
			Bioinformatics (BI) Track (3 courses + 2 Track Electives, 15 credits)		
Social Science Requirements (2 courses, 6 credits, + core course Intro to Business)			Track Requirements (3 courses) Introduction to Bioinformatics Computational Biology Systems Biology Track Electives (2 courses from following) *Functional Genomics Bioinformatics Algorithms Structural Modeling Biotechnology*		
BA Track / **BI Track** Financial Accounting & Analysis -------------------------- + one upper SS course as a cluster / Two courses coded as GE-SS, as a cluster					
Arts & Humanities Requirements (3 courses, 9 credits) Three courses coded as GE-AH, as a cluster					