Bachelor of Science in Data Science and General Education Requirements – 121 credits

General Education (GE) (15 courses, 45 credits)		DS Major Core (16 courses, 52 credits)	Business Analytics (BA) Track (3 courses +2 Track Electives, 15 credits)		Free Electives (3 courses, 9 credits)
Complete information about General Education requirements can be found at http://aua.am/general-education-at-aua					
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**	Calculus: Single Variable (4) Calculus: Multi Variable (4) Linear Algebra & Ordinary Differential Equations (4) Data Visualization with R Discrete Math Probability Statistics 1 Statistics 2 Numerical Analysis Introduction to Computer Science Object Oriented Programming Data Structures & Algorithms (4) Machine Learning Artificial Intelligence Databases and Distributed Systems 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 (3 courses, 9 credits) **BA Track**: Three courses coded as GE-QS, as a cluster **BI Track**: Physics & Chemistry in Life Sciences / Cell & Molecular Biology / + one upper division QS course			**OR**		
			Bioinformatics (BI) Track (3 courses + 2 Track Electives, 15 credits) Track Requirements (3 courses) Introduction to Bioinformatics Computational Biology Systems Biology Track Electives (2 courses from following) *Functional Genomics* *Bioinformatics Algorithms* *Structural Modeling* *Biotechnology*		
Social Science Requirements (3 courses, 9 credits) **BA Track**: Intro to Business / Financial Accounting & Analysis / + one upper division SS course **BI Track**: Three courses coded as GE-SS, as a cluster					
Arts & Humanities Requirements (3 courses, 9 credits) Three courses coded as GE-AH, as a cluster					