

Data Science Major Checklist (Fall 2020)

Course(s)	Suggested Year	Done	Need
First Statistics Course (CHOOSE ONE)			
INQ 240 Statistical Reasoning	SO/JR		
STAT 210 Statistical Methods I	SO/JR		
Data, Computer Science, and Mathematics Courses (6 Units)			
CPSC 120 Programming	FR		
DATA 170 Exploring Data	FR		
MATH 121 Calculus I	FR/SO		
STAT 220 Statistical Methods II	SO/JR		
DATA 248 Data Visualization	SO/JR		
DATA 480 Practicum in Data Science I	SR		
DATA 490 Practicum in Data Science II	SR		
Database Course (CHOOSE ONE)			
DATA 350 Databases for Data Science	SO/JR		
CPSC 350 Databases and Web Programming	SO/JR		
Focusing Area (CHOOSE ONE BLOCK** OF 4 COURSES)			
Graduate School Focus			
CPSC 170 Fundamentals of Computer Science	SO		
CPSC 465 Machine Learning	JR/SR		
MATH 131 Discrete Mathematics	SO/JR		
STAT 304 Applied Regression Analysis	JR/SR		
Career Focus			
BUAD 205 Accounting for Decision-Making	SO/JR		
BUAD 218 Information Systems	SO/JR		
BUAD 248 Business Analytics	JR/SR		
Choose One Of:	JR/SR		
BUAD 260 Special Topics*			
BUAD 342 Corporate Finance			
BUAD 406 Independent Study*			
ECON 261 Special Topics*			
ECON 348 Econometrics			

* These options require approval of the data science program coordinator.

** Students interested in pairing the data science core courses with a different set of focus area classes should discuss their plans and needs with the program coordinator.

Note that this check sheet is intended as a guide; the Academic Catalog contains more details and nuances, and students are encouraged to check that book along with the academic advisors as needed.