

B.S. in Data Science 2023-24

For students starting with CS 1420 and Calculus 1

Year 1		Year 2		Year 3		Year 4	
Fall (17)	Spring (17)	Fall (14)	Spring (12)	Fall (13)	Spring (13)	Fall (13)	Spring (12)
CS 1420 Accel Object Oriented Prog 4 FA/SP	CS 2420 Intro Algorithms & Data Structures 4 FA/SP/SU co-reqs	CS 3500 Software Practice 1 4 FA/SP	DS 2500 Data Wrangling 3 SP	DS 3190 Foundations of Data Analysis 3 FA	DS 4530 Database Systems 3 SP	DS 4800 Senior Capstone Design 3 FA/SP	DS 4850 Senior Capstone Project 3 FA/SP
MATH 1310 Engineering Calculus 1 4 FA/SP	MATH 1320 Engineering Calculus 2 4 FA/SP/SU co-reqs	CS 2100 Discrete Structures 3 FA/SP	CS 4150 Algorithms 3 FA/SP	DS 3390 Ethics in Data Science 3 FA	Data Analysis Breadth Elec. 3 FA/SP/SU	DS 4940 Undergraduate Research 3 FA/SP	DS 4970 Bachelors Thesis 3 FA/SP
General Education (FF) 3 FA/SP/SU	General Education (WRTG 2010) 3 FA/SP/SU	MATH 2270 Linear Algebra 4 FA/SP/SU	DS 4140 Data Mining 3 SP	MATH 3070 Applied Statistics 1 4 FA/SP/SU	MATH 3080 Applied Statistics 2 4 SP	DS 4630 Visualization for Data Science 3 FA	DS 4350 Machine Learning 3 FA/SP
General Education (AI) 3 FA/SP/SU	General Education (HF) 3 FA/SP/SU	General Education (FF) 3 FA/SP/SU	General Education (HF) 3 FA/SP/SU	WRTG 3014 or 3015 Scientific or Professional Writing 3 FA/SP/SU	Data Domain Elective 3 FA/SP/SU	Data Analysis Breadth Elec. 3 FA/SP/SU	Data Analysis Breadth Elec. 3 FA/SP/SU
General Education (BF) 3 FA/SP/SU	General Education (BF) 3 FA/SP/SU	General Education (FF) 3 FA/SP/SU	General Education (HF) 3 FA/SP/SU	Data Domain Elective 3 FA/SP/SU	Data Domain Elective 3 FA/SP/SU	Data Domain Elective 3 FA/SP/SU	Data Domain Elective 3 FA/SP/SU
Ready to apply to the program? Access the application link located in the Student Handbook!		<ul style="list-style-type: none"> ▪ MATH 1210 and MATH 1220 also accepted ⊕ Students pursuing Honors and choosing the project must take CS 4998 concurrently with DS 4850 to satisfy the Honors Thesis Work. Honors students pursuing the thesis must take CS 4999 (instead of CS 4970) ⊙ See https://www.cs.utah.edu/datascience/bs-in-data-science/ for Data Analysis Breadth and Data Domain Elective options * CS 3130 or ECE 3530 also accepted ⊖ DV and IR requirements can be combined with HF/FF/BF electives ✓ Honors options available 					
gray = Pre-Major Courses 110 credit hours total *122 credit hours required for* *graduation*							