

Data Science - Requirements 2022-23

Questions? Contact a SoC Academic Advisor or email ugrad-help@cs.utah.edu

Course	Title	Credits	Designation	Notes	Planned Semester	DV choose 1	IR choose 1
GENERAL EDUCATION	WRTG 2010	Intermediate Writing	3	WR2	Ⓒ	_____	
	WRTG 3014 or 3015		3	CW	Ⓒ	_____	
	_____	_____	3	AI	Ⓒ	_____	
	_____	_____	3	FF	Ⓒ *	_____	<input type="checkbox"/>
	_____	_____	3	FF	Ⓒ *	_____	<input type="checkbox"/>
	_____	_____	3	HF	Ⓒ *	_____	<input type="checkbox"/>
	_____	_____	3	HF	Ⓒ *	_____	<input type="checkbox"/>
	_____	_____	3	BF	Ⓒ *	_____	<input type="checkbox"/>

PRE-MAJOR	CS 1400	Intro to Comp Prog	4			_____
	CS 1410	Intro to OOP	4			_____
	OR					
	CS 1420	Accel OOP	4			_____
	CS 2420	Intro to Algs & DS	4			_____
	Math 1310	Eng Calculus 1	4	QR	Ⓒ ■	_____

Ⓒ Honors options available see honors.utah.edu

* 4 credit options accepted

■ Calculus, MATH 1210 and 1220, also accepted

ANALYTICAL FOUNDATIONS					
CS 2100	Discrete Structures	3			_____
Math 2270	Linear Algebra	4	QR		_____
Math 3070	Applied Statistics 1	4	QR/QI	⊙	_____
Math 3080	Applied Statistics 2	4	QI		_____
DS 3190	Fndn of Data Analysis	3			_____

⊙ CS 3130 or ECE 3530 also accepted

⊗ Students pursuing Honors and choosing project must take CS 4998 concurrently with DS 4800 to satisfy the Honors Thesis Work

COMPUTING FOUNDATIONS					
DS 2500	Data Wrangling	3			_____
CS 3500	Software Practice 1	3			_____
CS 4150	Algorithms	3			_____

CORE DATA SCIENCE 2.5 GPA required to graduate					
DS 3390	Ethics in Data Science	3			_____
DS 4140	Data Mining	3			_____
DS 4350	Machine Learning	3			_____
DS 4530	Database Systems	3			_____
DS 4630	Visualizstion for DS	3			_____

● Minimum 122 credits required for graduation

DATA ANALYSIS BREADTH ELECTIVE Choose 3 from https://www.cs.utah.edu/datascience/bs-in-data-science/					
_____	_____	3			_____
_____	_____	3			_____
_____	_____	3			_____

DATA DOMAIN ELECTIVE Choose 3 from https://www.cs.utah.edu/datascience/bs-in-data-science/					
_____	_____	3			_____
_____	_____	3			_____
_____	_____	3			_____

SENIOR CAPSTONE REQUIREMENT Choose DS 4800, 4850 (Project) or DS 4940, 4970 (Thesis)					
DS _____	_____	3			_____
DS _____	_____	3		⊗	_____