

Bachelor of Science - Data Science

First Time Freshman Academic Roadmap

Year 1: Freshman Year				Year Total			
Fall Semester	Term Offered	Prerequisite Courses	Units	Spring Semester	Term Offered	Prerequisite Courses	Units
CSE 2010	Fall & Spring	CSE 1250 or Instructor Consent	4	CSE 2020	Fall & Spring	CSE 2010 and MATH 2372	4
MATH 2210 (Also Satisfies GE 2)	Fall & Spring	MATH 1401 or 1403, or Placement Exam	4	MATH 2220	Fall & Spring	MATH 2210	4
MATH 2372	Fall & Spring		3	Critical Thinking (GE 1B)	Fall & Spring		3
Written Communication (GE 1A)	Fall & Spring		3	Oral Communication (GE 1C)	Fall & Spring		3
Semester Total			14	Semester Total			14

Year 2: Sophomore Year				Year Total			
Fall Semester	Term Offered	Prerequisite Courses	Units	Spring Semester	Term Offered	Prerequisite Courses	Units
CSE 1300/L	Fall & Spring		4	MATH 2265	Fall & Spring	MATH 2210 (Pre/Coreq)	3
MATH 2310	Fall & Spring	MATH 2210 and MATH 2220 (Pre/Coreq)	4	MATH 2320	Fall & Spring	MATH 2220 and MATH 2310 (C or better)	4
General Education - EX: Area 4	Fall & Spring		3	General Education - EX: Area 4	Fall & Spring		3
General Education - EX: Area 5A	Fall & Spring		3	General Education - EX: Area 3A	Fall & Spring		3
General Education - - EX: Area 5C	Fall & Spring		1	General Education - EX: American Institutions	Fall & Spring		3
Semester Total			15	Semester Total			16

Year 3: Junior Year				Year Total		30	
Fall Semester	Term Offered	Prerequisite Courses	Units	Spring Semester	Term Offered	Prerequisite Courses	Units
CSE 5350	Fall & Spring	CSE 2020 and MATH 2310	3	CSE 5360	Fall & Spring	CSE 2010 or Instructor Consent	3
MATH 3460	Fall & Spring	MATH 2320	3	CSE 5720	Fall & Spring	CSE 2020	3
DS Elective	Fall & Spring	Varies	3	DS Elective	Varies	Varies	3
General Education - EX: Area 3B	Fall & Spring		3	General Education - EX: Area 6	Fall & Spring		3
General Education - EX: Area 5B	Fall & Spring		3	General Education - EX: Area UD-2 or UD-5	Fall & Spring		3
Semester Total			15	Semester Total			15

Year 4: Senior Year				Year Total		31	
Fall Semester	Term Offered	Prerequisite Courses	Units	Spring Semester	Term Offered	Prerequisite Courses	Units
CSE 4880	Fall & Spring	Senior standing	3	CSE 5160 or MATH 5360	Fall & Spring	MATH 2265 and (CSE 2020 or MATH 4360)	3
MATH 4360	Fall	MATH 3460	3	DS Elective	Fall & Spring	Varies	3
DS Elective	Fall & Spring	Varies	3	MATH 5560	Spring	MATH 2265 and MATH 3460	3
General Education - EX: Area UD-3 & WI	Fall & Spring		3	Free Elective	Fall & Spring		3
General Education - EX: Area UD-4	Fall & Spring		3	Free Elective	Fall & Spring		4
Semester Total			15	Semester Total			16
				Degree Units Total			120

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The roadmap is an academic planning resource. Students should refer to their PAWS Report and Academic Catalog for graduation requirements

Note: Students must complete two WI designated courses. Students satisfy the writing requirements by completing:

- Two Writing Intensive (WI) designated courses, at least one at the upper-division level (required to satisfy GVAR).