2024-2025	Master of Science in Computer Science - Specialization in Data Science	Sample Plan

Sample Plan

All courses are 5 credits unless specified otherwise. This plan is for full-time students who start in Fall 2024.

	Fall	Winter	Spring
Year 1	CPSC 5305 (3 cr) CPSC 5610 or CPSC 5520 MATH 5315** (3 cr)	CPSC 5310 CPSC 5610 or CPSC 5520	CPSC 5320 (3 cr) CPSC 5330 (3 cr) CPSC 5110* or CPSC 5200
Year 2	Software dev. course CPSC 5800 (2 cr)	Data Science Elective CPSC 5830	

*Students have the option of waiving CPSC 5110 and taking CPSC 5200 instead.
**Students have the option of waiving MATH 5315 and reducing the number of credits. In Fall 2024, MATH 5315 will not be offered. If you have not been waived from the course, see the department for options.

Course Frequencies

		Cr	Fall	Winter	Spring
CPSC 5110	Fundamentals of Software Engineering	5	x		x
CPSC 5200	Software Architecture and Design	5		x	x
CPSC 5305	Introduction to Data Science	3	x		
CPSC 5310	Machine Learning	5		x	
CPSC 5320	Visual Analytics	3			x
CPSC 5330	Big Data Analytics	3			x
CPSC 5520	Distributed Systems	5	x		
CPSC 5610	Artificial Intelligence	5	x		x
CPSC 5800	Ethics & Prof. Issues in Computing	2	x	x	x
CPSC 5830	Data Science Capstone Project	5		x	
	Software Dev. Course (six options)	5	x	x	x
	Data Science Elective (two options)	5		x	

Notes

- Total number of credits to graduate: 49 or 46 (if MATH 5315 is waived)
- The sample plan assumes the student is starting in the full-time in the fall. Due to course sequencing, it will take at least five quarters to complete.
    - It will likely take more quarters to complete for part-time students and for full-time students who start in winter or spring.