

2024-2025	<b>Master of Science in Computer Science - Specialization in Software Engineering</b>	<b>Sample Plan</b>
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## Sample Plan

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

**IMPORTANT:** The MSCS-SE curriculum is changing for students starting in Fall 2024 and is reflected in this document. In particular, the capstone project will be a three-quarter project (instead of two) and CPSC 5120 will no longer be offered. These changes will not be reflected in the catalog until Fall 2025.

	Fall	Winter	Spring
Year 1	CPSC 5110* core / elective	CPSC 5200 CPSC 5800 (2 cr)	CPSC 5210 core / elective
Year 2	CPSC 5871 (4 cr) core / elective	CPSC 5872 (4 cr) core / elective	CPSC 5830 (3 cr)

\*Students have the option of waiving CPSC 5110. If so, CPSC 5110 is replaced with an elective.

The set of “core / elective” courses consists of three core courses (algorithms, systems, and software development) and one elective (any 5 credit MSCS course).

## 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 5210	Software Testing and Debugging	5	x		x
CPSC 5800	Ethics & Prof. Issues in Computing	2	x	x	x
CPSC 5871	Software Engineering Project 1	4	x		
CPSC 5872	Software Engineering Project 2	4		x	
CPSC 5873	Software Engineering Project 3	3			x
	Algorithms (CPSC 5600 or CPSC 5610)	5	5600 5610	5600	5610
	Systems (CPSC 5510 or CPSC 5520)	5	5520	5520	5510
	Software Dev. Course (six options)	5	x	x	x

## Notes

- Total number of credits to graduate: 48
- The sample plan assumes the student is starting in the full-time in the fall. Due to course sequencing, it will take at least six 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.