Computer Sciences Major & Data Science Certificate Planning Guide

Below is a sample 4-year plan that shows how a student might navigate both the Computer Sciences major and Data Science certificate. This plan is provided as a tool for students to understand the potential course load between two programs and areas of overlap and non-overlap. Please note that this is a flexible plan and students are not required to follow this plan exactly. Students are strongly encouraged to review the full curriculum for both programs on the Guide and contact relevant advisors for information on course selection.

Guide link to the Computer Sciences major (select BA or BS).

Guide link to the Data Science certificate.

4 Year Plan

	Fall		Spring	
	CS	**DS**	**CS**	**DS**
Year 1	Math 221 (5), COMP SCI 200 (3), 304 (1, optional)		COMP SCI 300 (3), Math 222 (4)	STAT 240 (4)
Shared/Gen-Ed	electives and gen-ed courses		electives and gen-ed courses	
Year 2	COMP SCI 240 (3), COMP SCI 400		COMP SCI 354 (3), COMP SCI 252 (2)	COMP SCI 320 (4)
Shared/Gen-Ed	electives and gen-ed courses		electives and gen-ed courses	
Year 3	Applications (3), COMP SCI 577 (3)	L I S 461 (3-4)	Additional Math (3), Math 320, 340, or 341 (3)	
Shared/Gen-Ed	electives and gen-ed courses		electives and gen-ed courses	
Year 4	Software & Hardware (3)		Software & Hardware (3)	
Shared/Gen-Ed	**CS/DS Elective* (3)**, electives and gen-ed courses		**CS/DS Elective* (3)**, electives and gen-ed courses	

Below is a 5-semester and 3-semester plan for students who may have less than two years to completete the Data Science certificate.

5 Semester Plan

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5
COMP SCI 320 (4)	STAT 240 (4)	L I S 461 (3-4)	**CS/DS Elective* (3)**	**CS/DS Elective* (3)**

3 Semester Plan

Semester 1	Semester 2	Semester 3
COMP SCI 320 (4), L I S 461 (3-4)	STAT 240 (4), **CS/DS Elective* (3)**	**CS/DS Elective* (3)**

*Overlapping DS/CS Electives include: CS 471, 524, 532, 544, 565, and 576.

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