

Mathematics Major & Data Science Certificate Planning Guide

Below is a sample 4-year plan that shows how a student might navigate both the Economics 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 Mathematics major \(select Mathematics BA or BS\).](#)

[Guide link to the Data Science certificate.](#)

4 Year Plan

	Fall		Spring	
	Math	DS	Math	DS
Year 1	MATH 221 (5)		Math 222 (4)	
Shared/Gen-Ed	electives and gen-ed courses		electives and gen-ed courses	
Year 2	MATH 234 (4)	COMP SCI 220 (4)	MATH 341 (3), Intermediate Math (3)	
Shared/Gen-Ed	electives and gen-ed courses		electives and gen-ed courses	
Year 3	Intermediate Math (3), Advanced Math (3)		Intermediate Math (3), Advanced Math (3)	
Shared/Gen-Ed	electives and gen-ed courses		electives and gen-ed courses	
Year 4		STAT 240 (4), L I S 461 (3-4)		DS Elective
Shared/Gen-Ed	electives and gen-ed courses		MATH/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 complete the Data Science certificate.

5 Semester Plan

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5
COMP SCI 220 (4)	STAT 240 (4)	L I S 461 (3-4)	DS Elective (3)	MATH/DS Elective (3)

3 Semester Plan

Semester 1	Semester 2	Semester 3
COMP SCI 220 (4)	STAT 240 (4), L I S 461 (3-4)	MATH/DS Elective (3) , DS Elective (3)

***Overlapping MATH/DS electives include: MATH 444 & 535.**

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