

Sample 4-Year Plan: Cartography & GIS and Data Science

Below is a sample 4-year plan that shows how a student might navigate both the Cartography and GIS major and Data Science major. This plan indicates both potential areas of overlap and non-overlap. Please note that it is not required that all double majors follow this plan, nor is it required that students overlap the maximum number of courses between the two majors. This plan is provided as a tool for students to understand the potential course load between the two majors.

Students are strongly encouraged to review the full curriculum for both majors on the Guide and contact relevant advisors for information on course selection.

- *Cartography and GIS Guide:* <https://guide.wisc.edu/undergraduate/letters-science/geography/#degreesmajorscertificatestext> (select either Cartography & GIS BA or BS)
- *Data Science Guide:* <https://guide.wisc.edu/undergraduate/letters-science/statistics/#degreesmajorscertificatestext> (select either Data Science BA or BS)

	Fall		Spring	
	<i>Cart Major Courses</i>	<i>DS Major Courses</i>	<i>Cart Major Courses</i>	<i>DS Major Courses</i>
Year 1	MATH 114 (5)	COMP SCI 220 (4)		MATH 221 (5), COMP SCI 320 (4)
<i>Shared/Gen-ed</i>	Electives and gen-ed courses		Electives and gen-ed courses	
Year 2	GEOG 370 (4)	MATH 222 (4)	GEOG 377 (4)	STAT 340 (4)
<i>Shared/Gen-ed</i>	STAT 240 (4), electives and gen-ed courses		Electives and gen-ed courses	
Year 3	Human Geog (3-4)	L I S 461 (3-4)	People-Envir Geog (3-4)	Linear Algebra (3)
<i>Shared/Gen-ed</i>	GEOG 378 (4), electives and gen-ed courses		GEOG 573 (4), electives and gen-ed courses	
Year 4	GEOG 371 (3), Physical Geog (3)		GEOG 565 (3),	Machine Learning (3)
<i>Shared/Gen-ed</i>	Electives and gen-ed courses		GEOG 579 (4), electives and gen-ed courses	