

Planning Guide: Economics & Data Science Certificate

Below are sample course plans that show 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 Economics major](#) (select BA or BS).

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

4 YEAR PLAN

	Fall Semester		Spring Semester	
	<i>Econ Maj Courses</i>	<i>DS Cert Courses</i>	<i>Econ Major Courses</i>	<i>DS Cert Courses</i>
Year 1			ECON 101 (4), MATH 221 (5)	
Shared/Gen-Ed's	Electives and gen-ed courses		Electives and gen-ed courses	
Year 2	ECON 102 (4)	COMP SCI 220 (4)	ECON 301 (4), ECON 310 (4)	STAT 240 (4)
Shared/Gen-Ed's	Electives and gen-ed courses		Electives and gen-ed courses	
Year 3	ECON 302 (4), Econ Elective or Core Econ course (3-4)			
Shared/Gen-Ed's	Electives and gen-ed courses		ECON Core (3-4) * , Electives and gen-ed courses	
Year 4	Econ Elective or Core Econ course (3-4)	Data Ethics (3-4)		
Shared/Gen-Ed's	Econ/DS Elective (3-4) * , electives and gen- ed courses		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)	Econ/DS Elective (3-4)	Econ/DS Elective (3-4)	Data Ethics (3-4)

3 SEMESTER PLAN

Semester 1	Semester 2	Semester 3
COMP SCI 220 (4)	STAT 240 (4), Econ/DS Elective (3-4)	Data Ethics (3-4), Econ/DS Elective (3-4)

*Overlapping ECON/DS courses include ECON 315, 400, 410, 421, 460, 570, and 695.

Please note that students who take STAT 340 for their Economics major statistics course will not meet the prerequisite for ECON 410.

Updated August 2025.