

Planning Guide: Statistics & Data Science Certificate

Below are sample course plans that show how a student might navigate both the Statistics 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 Statistics major](#) (select Statistics BA or BS).

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

4 YEAR PLAN

	Fall Semester		Spring Semester	
	<i>STAT Maj Courses</i>	<i>DS Cert Courses</i>	<i>STAT Maj Courses</i>	<i>DS Cert Courses</i>
Year 1	MATH 221 (5)		MATH 222 (4)	
Shared/Gen-Ed's	Electives and gen-ed courses		COMP SCI 220 (4) , Electives and gen-ed courses	
Year 2	MATH 234 (4)		STAT 303 (1), MATH 340, 341, 320, or 345 (3)	
Shared/Gen-Ed's	STAT 240 (4) , Electives and gen-ed courses		STAT 340 (4) * , Electives and gen-ed courses	
Year 3	STAT 309 (3) & STAT 424 (3)		STAT 310 (3) & STAT/DS Elective * (3)	
Shared/Gen-Ed's	Electives and gen-ed courses		Electives and gen-ed courses	
Year 4	STAT Electives (6)	Data Ethics (3-4)	STAT Electives (6)	
Shared/Gen-Ed's	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)	STAT 340 (3)	STAT/DS Elective (3)	Data Ethics (3-4)

3 SEMESTER PLAN

Semester 1	Semester 2	Semester 3
COMP SCI 220 (4)	STAT 240 (4) , Data Ethics (3-4)	STAT 340 (4) , STAT/DS Elective (3)

*Overlapping STAT/DS electives include ACT SCI 654, COMP SCI 532, ECON 570, I SY E 521, SOC 362, STAT 405, 436, and 471.

Updated August 2025.