

Statistics and Data Science B.S. 4-Year Pathway

Fall Freshman Courses		Course or GE Title	Units	GE/Major
MATH 150*		Calculus I	4	Area 2, major
		Any First Year Seminar with GE	3	e.g FYS + Area 3B
		English Composition GE	3	Area 1A
		Ethnic Studies GE	3	Areas 6
		US History GE	3	Area 4, US1
		Total	16	
Spring Freshman Courses		Course or GE Title	Units	GE/Major
MATH 151		Calculus 2	4	Major
MATH 170		Discrete Mathematics	4	Major
		Oral Communication GE	3	Area 1C
		Biological Science (with Lab) GE	4	Area 5B & 5C
		Total	15	
Fall Sophomore Courses		Course or GE Title	Units	GE/Major
MATH 230 or MATH 265 (fall only)		Elementary Linear Algebra	3	Major
MATH 320		Applied Probability & Statistics	4	Major
CST 231 or CST 319		Option for Computing Course	4	Major
		Civics/Service Learning GE	3	Area 4, US2&3
		Total	14	
Spring Sophomore Courses		Course or GE Title	Units	GE/Major
STAT 210 (spring only)		Statistical Computing with R	1	Major
MATH 250 (spring only)		Multivariate Calculus	4	Major
		Critical Thinking GE	3	Area 1B
		Arts GE	3	Area 3A
		Physical Science GE	3	Area 5A
		Total	14	
Fall Junior Courses		Course or GE Title	Units	GE/Major
MATH 300 (fall only)		Major Proseminar	3	GWAR, Major
STAT 310 (fall only)		Data Visualization	3	Area 2 UDGE
STAT 330 (even years), 335 (odd years), or other option		STAT elective #1	4	Major
Elective or Minor Course			5	
		Total	15	
Spring Junior Courses		Course or GE Title	Units	GE/Major
MATH 362S (spring only)		Svc Lrn for Math/Stat Consultants	4	UDSL, Major
STAT 410 (spring only)		General Linearized Models	4	Major
STAT 320 (even years) or 325 (odd years), or other option		STAT elective #2	4	Major
		UD Area 4 Social and Behavioral Sciences GE	3	Area 4 UDGE
		Total	15	
Fall Senior Courses		Course or GE Title	Units	GE/Major
STAT 420 (fall only)		Statistical Theory I	4	Major
STAT 211,330,335,440 MATH 322,374,375,420 or Approved		MATH/STAT Elective #1 not taken	4	Major
		UD C with World Culture & Languages GE	3	Area 3 UDGE WCL
Elective or Minor Course			4	
		Total	15	
Spring Senior Courses		Course or GE Title	Units	GE/Major
STAT 400		Statistics and Data Science Capstone Seminar	4	Major
STAT 421 (spring only)		Statistical Theory II	4	Major
STAT 320,325, MATH 330,374,375,421 or Approved Minor		MATH/STAT Elective #2 not taken	4	Major
Elective or Minor Course			4	
		Total	16	
		SDS 4-Year Pathway	120	

*Students must complete an online placement to enroll in MATH 150. Contact the MATH advisor for information about the Calculus placement.

*Students who start in Precalculus will replace elective units with MATH 130: Precalculus (5 units)