



The Bachelor of Science (B.S.) in Statistics and Data Science For Catalog Year 2024

(for the B.A. plan, see the back of this page)

THIS IS A SAMPLE PROGRAM. EACH STUDENT SHOULD CONSULT A DEPARTMENT ADVISOR TO PREPARE A PROGRAM THAT FITS THEIR INDIVIDUAL BACKGROUND AND ACADEMIC NEEDS.

	<u>Fall Semester</u>		<u>Spring Semester</u>
Freshman Year			
MATH 122A & B	5	MATH 129	3
ENGL 101 or 107 or 109H	3	CSC 110 or ISTA 130 ¹	4
GE Core	3	ENGL 102 or 108 ²	3
GE Core	3	GE Core = DATA 201	3
UNIV 101	1	GE Core	3
DATA 195M ³	1		
	Total 16		Total 16
Sophomore Year			
MATH 223	4	DATA 363	3
ISTA 322 ⁴	3	MATH 313	3
Second Language ⁵	4	Second Language	4
Lab Science ⁶	4	Lab Science	4
	Total 15		Total 14
Junior Year			
DATA 375	3	DATA 474	3
MATH 464	3	MATH 466	3
Minor Course ⁷	3	Minor Courses	6
GE Core	3	Elective Course	3
GE Core	3		
	Total 15		Total 15
Senior Year			
DATA 467	3	SDS major DATA elective ⁸	3
DATA 498A	3	Minor Courses	6
Minor Course	3	UNIV 301	1
GE Core	3	Elective Courses	4
Elective Course	3		
	Total 15		Total 14

This degree program requires at least 120 total units, including 42 upper division units (300-400 level)

¹ A Python programming course is required for the SDS major and is a prerequisite for DATA 363.
² See an academic advisor if you have questions regarding the Mid-Career Writing Assessment requirement.
³ DATA 195M is an optional one-unit colloquium for new majors. Other programs, including Honors, ASEMS, and more, may require 1 unit colloquia in certain semesters.
⁴ ISTA 322 or a similar Data Engineering course is a co-requisite to DATA 363.
⁵ Second-semester proficiency in a second language is required for the BS degree.
⁶ The B.S. requires two of the following lab science courses to satisfy requirements: CHEM 141&143, 142&144; CHEM 151, 152; CHEM 161&163, 162&164; CHEM 181, CHEM 182; MCB 181R&181L; ECOL 182R&182L; PHYS 141, 161H, 142, 241, 162H, 261H; GEOS 251, 302, 304, 308, 322; HWRS 350; PSIO 201, 202. CHEM 151, PHYS 141, and PHYS 161H are approved to also fulfill the Gen Ed Exploring Perspectives Natural Scientist requirement.
⁷ To declare your minor, contact an advisor from the appropriate department.
⁸ For major elective course options, see the major handbook, website, or an academic advisor.



The Bachelor of Arts (B.A.) in Statistics and Data Science For Catalog Year 2024

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**THIS IS A SAMPLE PROGRAM. EACH STUDENT SHOULD CONSULT A DEPARTMENT ADVISOR TO PREPARE
A PROGRAM THAT FITS THEIR INDIVIDUAL BACKGROUND AND ACADEMIC NEEDS.**

	<u>Fall Semester</u>		<u>Spring Semester</u>
Freshman Year			
MATH 122A & B	5	MATH 129	3
ENGL 101 or 107 or 109H	3	CSC 110 or ISTA 130 ¹	4
GE Core	3	ENGL 102 or 108 ²	3
GE Core	3	GE Core = DATA 201	3
UNIV 101	1	GE Core	3
DATA 195M ³	1		
	Total 16		Total 16
Sophomore Year			
MATH 223	4	DATA 363	3
ISTA 322 ⁴	3	MATH 313	3
Second Language ⁵	4	Second Language	4
GE Core	3	GE Core	3
	Total 14	GE Core	3
		Total 16	
Junior Year			
DATA 375	3	DATA 474	3
MATH 464	3	MATH 466	3
Minor Course ⁶	3	Minor Course	3
Second Language	4	Second Language	4
UNIV 301	1	Elective Course	3
	Total 14		Total 16
Senior Year			
DATA 467	3	SDS major DATA elective ⁷	3
DATA 498A	3	Minor Courses	6
Minor Courses	6	Elective Courses	4
Elective Course	3		
	Total 15		Total 13

This degree program requires at least 120 total units, including 42 upper division units (300-400 level)

¹ A Python programming course is required for the SDS major and is a prerequisite for DATA 363.

² See an academic advisor if you have questions regarding the Mid-Career Writing Assessment requirement.

³ DATA 195M is an optional one-unit colloquium for new majors. Other programs, including Honors, ASEMS, and more, may require 1 unit colloquia in certain semesters.

⁴ ISTA 322 or a similar Data Engineering course is a co-requisite to DATA 363.

⁵ Fourth-semester proficiency in a second language is required for the BA degree.

⁶ To declare your minor, contact an advisor from the appropriate department.

⁷ For major elective course options, see the major handbook, website, or an academic advisor.