Plan of Study: Bachelor of Science in Statistical Data Science

Department of Statistics, College of Liberal Arts and Sciences

Cumulative GPA:

Student Name:	Student ID:	Catalog Year:
Prerequisite Course Requirer	ments	
	Bachelor of Science (BS) in Statistical Da 15 of which must be at UConn, with a cumu	
	SE 1010, CSE 1729, or STAT 2255):	
Total credits:		
Cumulative GPA:		
Major Course Requirements		
Statistical data science majors are requir a 3.2 cumulative GPA:	ed to take at least 36 major credits, includi	ng the following courses, and maintair
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Core Area Requirements		
Programming and Data Management (STAT 3025Q or STAT 3025Q	AT 3375Q or MATH 3160; and STAT 3215	iQ):
Domain Sequence		
Domain name: Domain courses:		
Additional Required Courses STAT 3255 Capstone requirement (STAT 4915 or W requirement (STAT 4916W or MCE		
Total credits:		

Qualifying Courses for the Major

Core Area Requirements

- Programming and Data Management: STAT 2255 (one course, 3 credits)
- Basic Data Analysis: STAT 3025Q or STAT 3375Q* or MATH 3160; and STAT 3215Q (two courses, 6 credits).
- Data Ethics: PHIL 3202 (one course, 3 credits).
- Data Visualization: STAT 3675Q* or GEOG 3510 or EEB 4100** (one course, at least three credits).
- Advanced Analysis: MATH 2210Q and STAT 4255 (two courses, 6 credits).

Please note:

- *Students completing a statistics domain must take STAT 3375Q and STAT 3675Q to meet these requirements.
- **EEB 4100 is recommended for students completing the Biological Data Science domain.
- †Students completing a Biological Data Science domain may take any of the following to meet the capstone and W requirement: (i) STAT 4915 / STAT4916W, (ii) EEB 4896W, or (iii) MCB 4897W. Credits in EEB 4896W cannot simultaneously count toward both an Honors thesis in EEB and a Data Science capstone.

Domain Sequences

Advanced Statistics

STAT 3445 and two of the following: STAT 3515Q, STAT 4625, STAT 4825, STAT 4845, STAT 4190.

Please note: At least and no more than 3 credits of STAT 4190 may count toward the major and must be pre-approved by the Department of Statistics for adequate data science content.

American Political Institutions

Three of the following: POLS 3600, POLS 3601, POLS 3603WQ, POLS 3604, POLS 3606.

American Political Representation

Three of the following: POLS 2607, POLS 3608W, POLS 3612, POLS 3617, POLS 3618, POLS 3625.

Biological Data Science

Three of the following: EEB 3899‡, EEB 5050, EEB 5300, EEB 5348, EEB 5349, MCB 3421, MCB 3637, MCB 4008, MCB 4009, MCB 4014, MCB 5430, MCB 5472, MCB 5631, MCB 4896‡.

Please note:

- Students can choose any three courses‡ from the list above based on availability; however, interested students might consider choosing subsets of courses from the list above that align with established sub-areas:
 - o Genome sequencing and analysis: EEB 5300, MCB 3637, MCB 5430.
 - o Phylogenetics and evolution: EEB 5348, EEB 5349, MCB 3421, MCB 5472.
 - o Ecological analyses: EEB 5050, EEB 5348, MCB 5631.
 - o Molecular structure and function: MCB 4008, MCB 4009, MCB 4014.
- ‡ Only 3 credits of either EEB 3899 or MCB 4896 can count toward the major, and these credits cannot simultaneously count toward another major or degree.

Financial Analysis

Three of the following: ECON 3313, ECON 3315, ECON 3413, ECON 4323.

Marine Science

Three of the following: MARN 3001, MARN 3002, MARN 3014, MARN 4001, MARN 4210Q.

Population Dynamics

Three of the following: SOCI 2110(W), SOCI 2651(W), SOC 2660(W), SOCI 2820(W), SOCI 2901(W), SOCI 3971(W).