Data Science

Bachelor of Science | College of Arts & Sciences | Quinnipiac University | Catalog year 2023-2024

Sample four-year plan

Shown below is one of many possible paths through the curriculum. Each student's individual academic plan is crafted in consultation with their academic advisor.

. First Year

Milestones: Earn 30 credits, meet with your advisor at least once a semester, and a GPA of 2.0 or higher.

Fall Semester		Credits	**Spring Semester**		Credits
EN 101	Introduction to Academic Reading and Writing *UC Foundations Inquiry*	3	EN102	Academic Writing/Research *UC Foundations Inquiry*	3
FYS 101	First-Year Seminar *UC Foundations Inquiry*	3	MA 285	Applied Statistics	3
MA 151	Calculus I	4		University Curriculum (UC)	3
DS 110	Introduction to Data Science	3		University Curriculum (UC)	3
	Social Science *University Curriculum (UC)*	3		Open Elective	3
	Total	**16**		**Total**	**15**

Second Year

Milestones: Earn 60 credits and a GPA of 2.0 or higher. Meet with your advisor at least once per semester to discuss academic, experiential learning, career, and co-curricular opportunities.

Fall Semester		Credits	**Spring Semester**		Credits
EC 365	Econometrics	3	DS 201	Intro to Python	1
CSC110 & CSC 110L	Programming and Problem-Solving and Programming and Problem-Solving Lab	3 1	MA 229	Linear Algebra *UC Foundations Inquiry*	3
	Language at 101 Level	3		Language 102 *Satisfies CAS language requirement*	3
	University Curriculum (UC)	3		University Curriculum (UC)	3
	Open Elective or Minor course	3		Open Elective or Minor course	3
	Total	**16**		**Total**	**13**

Third Year

Milestones: Earn 90 credits and a GPA of 2.0 or higher. Meet with your advisor at least once per semester. Participate in study abroad, complete internship or research opportunities.

Fall Semester		Credits	**Spring Semester**		Credits
DS210/310	Algorithms for Data Science	3	DS 380	Data Mining	3
	Fine Arts *University Curriculum (UC)*	3		Humanities *University Curriculum (UC)*	3
	Natural Science + Lab *University Curriculum (UC)*	4		Natural Science + Lab *University Curriculum (UC)*	4
	University Curriculum (UC)	3		University Curriculum (UC)	3
	Open Elective or Minor course	3		Open Elective or Minor course	3
	Total	**16**		**Total**	**16**

Fourth Year

Milestones: Earn 120 credits and a GPA of 2.0 or higher. Complete possible minor or double major and prepare for graduation.

Fall Semester		Credits	**Spring Semester**		Credits
DS 385	Machine Learning	3	DS 480	Data Science Senior Seminar	4
	Fine Arts *University Curriculum (UC)*	3		Humanities *University Curriculum (UC)*	3
	Open Elective or Minor course	3		Open Elective or Minor course	3
	Open Elective	3		Open Elective	3
	Open Elective	3			
	Total	**15**		**Total**	**13**

Total number of credits to graduate: 120

Quinnipiac
College of Arts & Sciences