(For students admitted in 2025-26 under the 4-year degree)

BSc in Quantitative Social Analysis

In addition to the requirements of their major programs, students are required to complete the University requirements for graduation. For details please refer to the respective sections on this website.

Students may use no more than 9 credits earned from courses offered in self-paced online delivery mode to satisfy the graduation requirements of a degree program. This 9-credit limit does not apply to credits obtained through the credit transfer procedures of the University.

For students graduating with an additional major, they must take all the requirements specified for that major, within which they must complete at least 20 single-counted credits. These 20 credits cannot be used to fulfill any other requirements for graduation except for the 120-credit degree requirement.

Under the new 30-credit Common Core Program which is applicable to students admitted to the University in 2022-23 and thereafter, courses that have been counted towards Major Requirements are not allowed to be reused for fulfilment of the University Common Core Requirements. Students should look up the details of the Common Core Program including the general and School-/program-specific distributional requirements posted on the Common Core website where the link to it is available on this website.

Major Requirements

Required Course(s)

			Credit(s) attained
SOSC	1050	Introduction to Social Science Research	3
SOSC	1110	Data Analysis for Quantitative Social Research	3
SOSC	2400	Quantitative Data Analysis for Social Research II	3
SOSC	3200	Quantitative Social Analysis Colloquium	1
SOSC	4110	Capstone Project	3
SOSC	4330	Quantitative Data Analysis for Social Research III	3
MATH		Note: [(MATH 1005 OR MATH 1006 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-7
MATH	1005	Calculus and Statistics	4
MATH	1006	Calculus, Vectors, and Matrices	4
MATH	1013	Calculus I	3
MATH	1014	Calculus II	3
MATH	1020	Accelerated Calculus	4
MATH	1023	Honors Calculus I	3
MATH	1024	Honors Calculus II	3
MATH	2411	Applied Statistics	4
COMP	1023	Introduction to Python Programming	3

Elective(s)

			Minimum credit(s) required
SOSC		Social Science Electives (8 courses from the specified elective list. Students should take at least 2 Foundation courses, EACH of which should be from a different discipline [Foundation 1 to Foundation 5], and out of the 24 credits, at least 6 credits must be at 3000-/4000- level. Courses on the list of QSA Methodological Electives may not be counted towards this elective requirement)	24
Foundation 1: Geography/Demography			
SOSC	1780	Population and Development in China	3
SOSC	1860	Population and Society	3
Foundation 2: Economics			
SOSC	1440	Introduction to Economics	3
Foundation 3: Political Science			
SOSC	1300	The World of Politics	3
SOSC	1450**	Introduction to Comparative Politics	3
Foundation 4: Psychology			
SOSC	1960	Introduction to Psychology	3
SOSC	1980	Psychology of Personal Growth	3
Foundation 5: Sociology			
SOSC	1850	Understanding Society	3
Others			
SOSC		Any SOSC courses except those listed as Foundation course in this requirement and those listed under QSA Methodological Electives.	
SOSC/MATH/ COMP/ISOM/ MARK		QSA Methodological Electives (4 courses from the specified elective list, of which 6 credits must be taken in SOSC)	12
SOSC	3240	Application of Geographical Information Systems	3
SOSC	3600**	Public Policy Analysis	3
SOSC	3720	Introduction to Social Network Analysis	3
SOSC	3730	Survey Design and Methods	3
SOSC	4250	Experiments and Quasi-experiments in the Social Sciences	3
SOSC	4300	Computational Social Science	3
MATH	2421	Probability	4
MATH	2431	Honors Probability	4
MATH	3423	Statistical Inference	3
MATH	3424	Regression Analysis	3
MATH	3426	Sampling	3
MATH	4423	Nonparametric Statistics	3
MATH	4424	Multivariate Analysis	3

MATH	4425	Introductory Time Series	3
COMP	2011	Programming with C++	4
ISOM	3360	Data Mining for Business Analytics	3
MARK	3220	Marketing Research	4

***Remarks on course(s):*

- SOSC 1450: The course was last offered in 2020-21 and was deleted subsequently.
- SOSC 3600: The course was last offered in 2020-21 and was deleted subsequently.