

(For students admitted in 2018-19 under the 4-year degree)

BSc in Quantitative Social Analysis

Students taking the BSc Program in Quantitative Social Analysis as their first major are exempted from the School Requirements. However, they are still required to complete the University requirements in addition to the major requirements for graduation.

Some courses used to fulfill Major Requirements can also fulfill University Common Core Requirements. Students may reuse a maximum of 6 credits of these courses to count towards Common Core Requirements.

Students may use no more than 6 credits earned from courses offered in pure online delivery mode to satisfy the graduation requirements of a degree program. This 6-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.

Major Requirements

Required Course(s)

			Credit(s) attained
SOSC	1100	Elementary Statistics for Social Research	3
SOSC	1200	Quantitative Social Analysis	3
SOSC	1210	First-Year Seminar for Quantitative Social Analysis	1
SOSC	2140	Research Methods in the Social Sciences	3
SOSC	2400	Intermediate Statistics for Social Research	3
SOSC		Note: Attainment of 2 credits from SOSC 3700 by taking the course for 2 times (Students may request to use UROP 1100 and/or UROP courses of higher level to substitute for SOSC 3700 upon approval by the program office)	2
	SOSC 3700	Quantitative Social Analysis Practicum	1
SOSC	4100	Research Pro-seminar	1
SOSC	4110	Capstone Project	3
MATH		Note: [(MATH 1012 <u>OR</u> MATH 1013 <u>OR</u> MATH 1023) <u>AND</u> (MATH 1014 <u>OR</u> MATH 1024)] <u>OR</u> [MATH 1020]	4-7
	MATH 1012	Calculus IA	4
	MATH 1013	Calculus IB	3
	MATH 1014	Calculus II	3
	MATH 1020	Accelerated Calculus	4
	MATH 1023	Honors Calculus I	3
	MATH 1024	Honors Calculus II	3
MATH		Note: MATH 2011 <u>OR</u> MATH 2023	3-4
	MATH 2011	Introduction to Multivariable Calculus	3
	MATH 2023	Multivariable Calculus	4

MATH	2411	Applied Statistics	4
LANG	2070	English Communication for Humanities and Social Science Studies I	3
LANG/LABU		Note: LANG 3070 <u>OR</u> LABU 2060	3
LANG	3070	English Communication for Humanities and Social Science Studies II	3
LABU	2060	Effective Communication in Business	3
COMP		Note: COMP 1021 <u>OR</u> COMP 1022P <u>OR</u> COMP 1022Q	3
COMP	1021	Introduction to Computer Science	3
COMP	1022P	Introduction to Computing with Java	3
COMP	1022Q	Introduction to Computing with Excel VBA	3
COMP	1942	Exploring and Visualizing Data	3

Elective(s)

			Minimum credit(s) required
SOSC		Social Science Electives (Any 5 courses in the subject of SOSC, of which 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)	15
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	3280	Methods for Demographic Analysis	3
SOSC	3600	Public Policy Analysis	3
SOSC	3720	Introduction to Social Network Analysis	3
SOSC	4320	Policy Analysis and Design for Sustainable Development	3
SOSC	4330	Advanced Statistics for Social Research	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