(For students admitted in 2022-23 under the 4-year degree)

BSc in Mathematics and Economics

Students taking the BSc Program in Mathematics and Economics 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. For details please refer to the respective sections on this website.

Students may use no more than 6 credits earned from courses offered in self-paced 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.

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
MATH			Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [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	2023		Multivariable Calculus	4
MATH			Note: MATH 2033 OR MATH 2043	4
	MATH	2033	Mathematical Analysis	4
	MATH	2043	Honors Mathematical Analysis	4
MATH			Note: MATH 2121 OR MATH 2131	4
	MATH	2121	Linear Algebra	4
	MATH	2131	Honors in Linear and Abstract Algebra I	4
MATH	2411		Applied Statistics	4
MATH			Note: MATH 3033 OR MATH 3043	4
	MATH	3033	Real Analysis	4
	MATH	3043	Honors Real Analysis	4

MATH/ECON		Note: MATH 4994 OR MATH 4999 OR ECON 4670		0-3
MATH	4994	Capstone Project in Mathematics and Economics	3	
MATH	4999	Independent Capstone Project	3	
ECON	4670	Economics Research and Communication	0	
ECON		Note: ECON 2103 OR ECON 2113		3
ECON	2103	Principles of Microeconomics	3	
ECON	2113	Microeconomics	3	
ECON	3113	Microeconomic Theory I		4
ECON	3123	Macroeconomic Theory I		3
ECON	3133	Microeconomic Theory II		4
ECON	3143	Macroeconomic Theory II		4
ECON	3334	Introduction to Econometrics		4
ECON	3700	Writing as an Economist		3
ACCT	2010	Principles of Accounting I		3
FINA	2203	Fundamentals of Business Finance		3
COMP		Note: COMP 1021 OR COMP 1022P		3
COMP	1021	Introduction to Computer Science	3	
COMP	1022P	Introduction to Computing with Java	3	
LABU	2040	Business Case Analyses		3

Elective(s)

			Minimum credit(s) required
MATH		MATH Depth Electives (2 courses from the specified elective list. Courses taken as Major Required Courses may not be counted towards this elective requirement.)	6
MATH		Mathematics courses at 4000-level or above	
MATH	3423	Statistical Inference	3
MATH	3425	Stochastic Modeling	3
MATH	3426	Sampling	3
ECON		ECON 4000-level or above Electives (At least 2 courses of the subject and level as specified)	8
SSCI		Science Foundation course (2 courses from the specified elective list)	6
CHEM	1008	Introductory Chemistry	3
CHEM	1020	General Chemistry I	3
CHEM	1030	General Chemistry II	3
LIFS	1030**	Environmental Science	3
LIFS	1901	General Biology I	3
LIFS	1902	General Biology II	3
LIFS	1930	Nature of Life Sciences	3
LIFS	2210	Biochemistry I	3
OCES	1010	Principles and Applications of Environmental Science	3

PHYS	1101	Introductory Physics	4
PHYS	1111	General Physics I	3
PHYS	1112	General Physics I with Calculus	3
PHYS	1114	General Physics II	3
PHYS	1312	Honors General Physics I	3
PHYS	1314	Honors General Physics II	3

Remarks on course(s):
-     LIFS 1030:   The course was last offered in 2020-21 and was deleted subsequently.