(For students admitted in 2020-21 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.

Some courses used to fulfill Major Requirements can also fulfill University Common Core Requirements. Students may reuse a maximum of 9 credits of these courses to count towards Common Core Requirements.

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.

Some courses in the curriculum have been previously coded with CORE-prefix where the special CORE-prefix has been replaced by the domain code of courses starting from Fall 2023-24. Students who have registered with these CORE-coded courses may look up their latest course codes by consulting the conversion table published on the Common Core 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
SCIE/SBMT		Note: SCIE 1000 OR SBMT 1111		0
SCIE	1000	Science School Induction	0	
SBMT	1111	Business Student Induction	0	
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
LABU	2060	Effective Communication in Business		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	1004	Chemistry in Everyday Life	3
CHEM	1010	General Chemistry IA	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	1030	Environmental Science	3
PHYS	1001	Physics and the Modern Society	3
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.