(For students admitted in 2015-16 under the 4-year degree)

BSc in Mathematics and Economics

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

Some courses used to fulfill Major and/or School 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 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

Students MUST take the following courses prior to enrollment into the major

Major Pre-requisite 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

Required Course(s)

			Credit(s) attained
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		Note: MATH 4994 OR MATH 4999	3
MATH	4994	Capstone Project in Mathematics and Economics	3
MATH	4999	Independent Capstone Project	3
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	4670	Economics Research and Communication	0
COMP		Note: COMP 1021 OR COMP 1022P OR 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
LANG	3010	English for Mathematics and Economics	3

Elective(s)

			Minimum credit(s) required
MATH		MATH Depth Electives (2 courses from the specified elective list)	6
MATH	3423	Statistical Inference	3
MATH	3425	Stochastic Modeling	3
MATH	4321	Game Theory	3
MATH	4335	Introduction to Optimization	3
MATH	4427	Loss Models and their Applications	3
MATH	4511	Quantitative Methods for Fixed Income Derivatives	3
MATH	4512	Fundamentals of Mathematical Finance	3
ECON		ECON Depth Electives (2 courses from the specified elective list)	8
ECON	4284	Econometrics for Cross-Section and Panel Data	4
ECON	4304	Time Series Econometrics and Business Forecasting	4
ECON	4334	Money and Banking	4
ECON	4354**	International Trade and Finance	4

ECON	4364	International Trade and Investment	4
ECON	4374	International Macroeconomics and Finance	4
ECON	4584	Topics in Economic Growth	4

***Remarks on course(s):*

- ECON 4354: The course was last offered in 2012-13 and was deleted subsequently.