(For students admitted in 2012-13 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.

Major Requirements

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

Major Pre-requisite course(s)

			Credit(s)
MATH		Note: [(MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-6
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

Required Course(s)

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	4999	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)

MATH		MATH Depth Electives (2 courses from the specified elective list)	6
MATH	3425	Stochastic Modeling	3
MATH	3426	Sampling	3
MATH	4321	Game Theory	3
MATH	4335	Introduction to Optimization	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