(For students admitted in 2012-13 under the 3-year degree)

Curriculum for BSc in Mathematics and Economics

General Requirements

Students are required to complete the following general requirements for graduation in addition to program specific requirements:

Required Courses in English Communication
Common Core Requirements
Required Course in Physical Education

For details please refer to the section "General Requirements" on this website.

Program Specific Requirements

Credit(s)

Required courses

	MATH 2021	Multivariable and Vector Calculus	4
	MATH 2031	Introduction to Real Analysis	4
	MATH 2121	Linear Algebra	4
	MATH 2411	Applied Statistics	4
	MATH 3033	Real Analysis	4
(1)	ECON 1503	Big Problems in Economics: Issues, Ideas, and Principles	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
(2)	ECON 4670	Economics Research and Communication	0
	COMP 1022P	Introduction to Computing with Java	3

Elective courses

	Elective types		Minimum no. of courses	Minimum total credits
(3,5)	MATH	Mathematics Elective	3	9
(4,5)	ECON	Economics Elective	3	9
	FREE	Free Elective	4	12

Notes:

(1) The students who have not taken HKAL Economics or have scored below Grade C in HKAL Economics should take ECON 1503. All other students take a free elective.

(2) The zero-credit ECON 4670 research requirement is fulfilled by writing a term paper in one of the Economics electives.

(3) The three mathematics electives must be of 3000-level or above, out of which at least one course must be of 4000-level or above. Some recommended mathematics electives are MATH 3425, MATH 3426, MATH 4321 and MATH 4512.

(4) The three economics electives are chosen at the 4000-level or above. Some recommended economics electives are ECON 4284, ECON 4304, ECON 4334 and ECON 4354.

(5) Unless otherwise approved by the Department, mathematics courses coded from 1000 to 1600 cannot be used to fulfill any MATH or FREE elective requirements.

For graduation, students are required to complete both the general requirements and requirements specified for the program, and to earn a minimum of 90 credits.