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

Curriculum for BSc in Mathematics - Statistics Option

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 2421	Probability	4
	MATH 3033	Real Analysis	4
(1)	MATH 3121	Algebra I	3
	MATH 3423	Statistical Inference	3
	MATH 3424	Regression Analysis	3
	MATH 3425	Stochastic Modeling	3
	MATH 4422	Data Analysis	3
	MATH 4424	Multivariate Analysis	3
	COMP 1022P	Introduction to Computing with Java	3

Elective courses

	Elective types		Minimum no. of courses	Minimum total credits
(2,5)	MATH	Mathematics Elective	4	12
(3)	SB&M	Business and Management Elective	2	6
(4,5)	FREE	Free Elective	2	6

Notes:

(1) The course can be replaced by MATH 4023, MATH 4051 or MATH 4223 provided that enrolment quota of these courses is available.

(2) MATH 2411, MATH 3426, MATH 4423 and MATH 4425 can be replaced by MATH 4052, MATH 4321, MATH 4511, MATH 4512, MATH 4824, ISOM 4520, ISOM 4550, ISOM 4590 provided that enrolment quota of these courses is available.

(3) ECON 2103/2113/2913 and ECON 2123 are recommended electives. Students entering with AL Economics take ECON 2113; however, those with grade B or above in HKAL Economics will take ECON 2913. All other students without AL Economics background, including those entering with AL Business and Economics, take ECON 2103. These recommended ECON electives may be replaced by SB&M courses that are listed as common core courses in the year the student was first admitted. However, the credits earned from these SB&M courses cannot be used to also count toward the common core requirement.

(4) Free electives must include MATH 2352. ISOM 2500 cannot be used to satisfy any FREE elective requirement.

(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.