THE UNIVERSITY OF HONG KONG
DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE

4 August 2025

Suggested / Example Structure of BSc (Major in Statistics) Curriculum (for students admitted to Year 1 in 2021 and before)

Year	One		Two		Three		Four	
Semester	One	Two	One	Two	One	Two	One	Two
Disciplinary Core	**MATH1013** University Mathematics II **STAT1600** Statistics: Ideas and Concepts	**MATH2014** Multivariable Calculus and Linear Algebra	**STAT2601** Probability and Statistics I	**STAT2602** Probability and Statistics II	**STAT3600** Linear Statistical Analysis	**STAT4602** Multivariate Data Analysis		
Disciplinary Elective	At least 36 credits (6 courses) from Lists A and B, among which at least 12 credits from List A: List A **STAT3602** Statistical Inference **STAT3603** Stochastic Processes **STAT3620** Modern Nonparametric Statistics **STAT3621** Statistical Data Analysis **STAT3655** Survival Analysis **STAT4601** Time-series Analysis List B **STAT3604** Design and Analysis of Experiments **STAT3605** Quality Control and Management **STAT3606** Business Logistics **STAT3607** Statistics in Clinical Medicine and Bio-medical Research **STAT3608** Statistical Genetics **STAT3612** Statistical Machine Learning **STAT3613** Marketing Engineering **STAT3617** Sample Survey Methods **STAT4610** Bayesian Learning							
Capstone	At least 6 credits selected from the following courses: **STAT3799** Directed Studies in Statistics (6 credits) **STAT4710** Capstone Experience for Statistics Undergraduates (6 credits) **STAT4766** Statistics Internship (6 credits) **STAT4799** Statistics Project (12 credits)							
Science Foundation Courses	**SCNC1111** Scientific Method and Reasoning	**SCNC1112** Fundamentals of Modern Science						
Common Core	Six common core courses within the first three years							
Language	**CAES1000** Core University English (offered in both semesters)		**CAES9820** Academic English for Science Students or **CAES9821** Professional & Technical Communication for Mathematical Sciences (offered in both semesters)		**CSCI9001** Practical Chinese for Science Students (offered in both semesters)			

Note 1: If there are any courses (offered by SAAS or not) mutually exclusive to any Core courses, students must take the course stated in the curriculum to fulfil the degree requirement of the First Major. Course replacement should only be applied for the other Major(s) or Minor(s).

Note 2: This table is for students' reference only for planning their studies ahead. Course offering semester and availability are subject to changes. Some courses are offered in both semesters.

Note 3: Please read the Faculty of Science's Student Handbook and Syllabuses & Regulations for more details.