

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: <u>List A</u> STAT3602 Statistical Inference STAT3603 Stochastic Processes STAT3620 Modern Nonparametric Statistics STAT3621 Statistical Data Analysis STAT3655 Survival Analysis STAT4601 Time-series Analysis <u>List B</u> 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.