

Suggested BSc(ActuarSc) 4-year Curricular Structure¹
(for students admitted in 2018 and 2019)

Year	One		Two		Three		Four	
Semester	One	Two	One	Two	One	Two	One	Two
Disciplinary Core	ECON1210 Introductory Microeconomics MATH1821 Mathematical Methods for Actuarial Science I ACCT1101 Introduction to Financial Accounting	ECON1220 Introductory Macroeconomics MATH2822 Mathematical Methods for Actuarial Science II STAT2901 Probability and Statistics: Foundations of Actuarial Science STAT2902 Financial Mathematics	COMP1117 Computer Programming STAT3901 Life Contingencies I STAT3902 Statistical Models STAT3904 Corporate Finance for Actuarial Science	STAT3903 Stochastic Models STAT3905 Introduction to Financial Derivatives STAT3907 Linear Models and Forecasting	STAT3906 Risk Theory I STAT3910 Financial Economics I	STAT3908 Credibility Theory and Loss Distributions STAT3909 Life Contingencies II STAT4904 Statistical Learning for Risk Modelling	Capstone ⁵	
Disciplinary Elective²							12 credits of disciplinary electives ⁵	
Free Elective²					12 credits of free electives		42 credits of free electives	
Common Core	Common core	Common core	Common core	Common core	Common core	Common core		
Language	CAES1000⁴ Core University English		CAES9821 Professional and Technical Communication for Mathematical Sciences		CSCI9001^{3,4} Practical Chinese for Science Students			
Credits	30	30	30	30	30	30	30	30

Notes

- This table is suggested for students' reference only. Students can choose another subclass if the course is also offered in different semesters/time slots. However, students are reminded to check the course pre-requisites when planning their studies ahead, whilst course offering semester and availability are subject to changes every year. Please refer to the Faculty of Science's Student Handbook and Syllabuses & Regulations for more details.
- Students may also choose to take more Disciplinary Electives or inter/intra-faculty electives as free electives than the number stipulated above within the allowed course load.
- Putonghua-speaking students can also choose to satisfy the Chinese language enhancement requirement by taking CUND9002 or CUND9003 instead.
- Please refer to the Student Handbook for details about exemption if applicable.
- Lists of Disciplinary Electives (at least 12 credits) and Capstone courses:

<u>Disciplinary Electives</u>		<u>Capstone</u>	
STAT3911	Financial Economics II	STAT4607	Credit Risk Analysis
STAT3951	Topics on Advanced Actuarial Modelling	STAT4608	Market Risk Analysis
STAT3953	Fundamentals of Actuarial Practice	STAT4901	Risk Theory II
STAT3954	Current Topics in Actuarial Science	STAT4902	Selected Topics in Actuarial Science
STAT3955	Survival Analysis	STAT4903	Actuarial Techniques for General Insurance
STAT3956	Life Contingencies III		
		STAT4711	Capstone Experience for Actuarial Science Undergraduates
		STAT4767	Actuarial Science Internship
		STAT4798	Statistics and Actuarial Science Project