



Induction Talk on Curriculum Structure and Course Selection for BStat Freshmen 2025

August 18, 2025 (Monday)
Room T3, Meng Wah Complex, HKU







Agenda

- 1. Understand HKU and your degree
- 2. Important terminology
- 3. Course selection
- 4. Routine study life at HKU
- 5. RSS Accreditation
- 6. Exchange, internship, professional development
- 7. What is Statistical Decision Sciences
- 8. Q&A, casual chat with current students
 - 9. Briefing by Chief Career Adviser
 - 10. Student society introduction

Around 30-40 min

Around 10-15 min

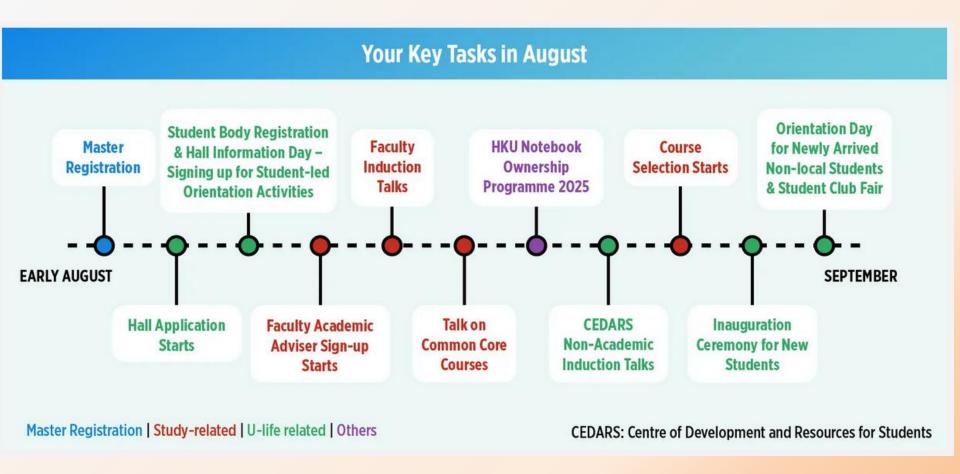
Around 10-15 min

University Educational Aims

- UEA 1: Pursuit of academic/professional excellence, critical intellectual inquiry & life-long learning
- ➤ UEA 2: Tackling novel situations and ill-defined problem
- UEA 3: Critical self-reflection, greater understanding of others, and upholding personal and professional ethics
- ➤ UEA 4: Intercultural communication, and global citizenship
- UEA 5: Communication and collaboration
- ➤ UEA 6: Leadership and advocacy for the improvement of the human condition

First Year Experience

https://firstyear.hku.hk/



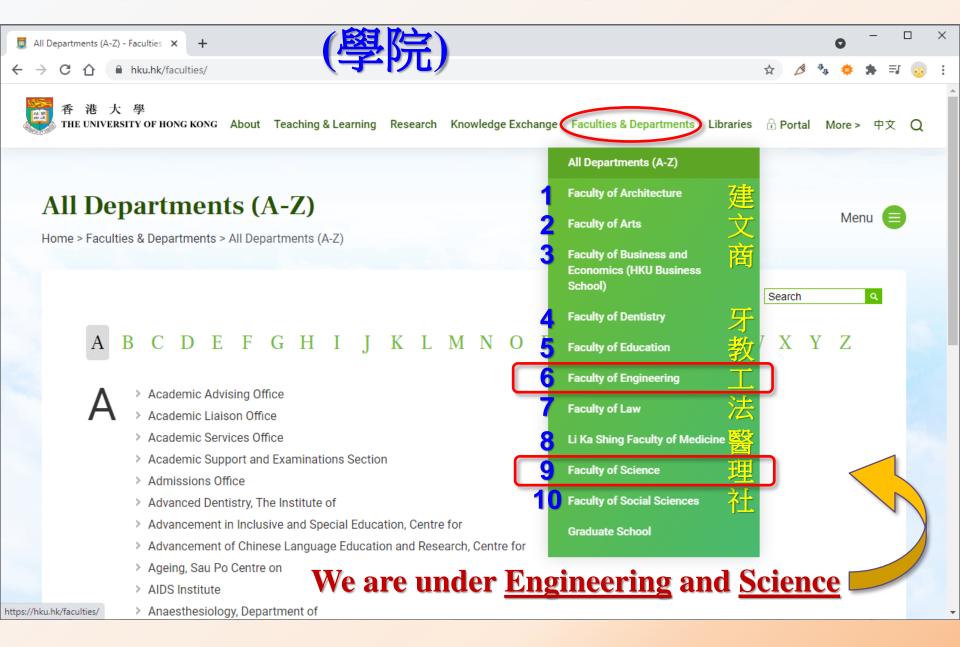
Main Campus



University Structure

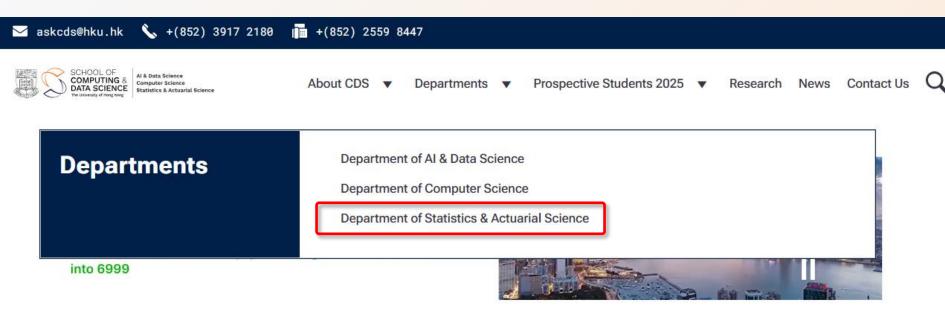
- ➤ Faculty (學院):
 - Collection of academic units that specialize in a group of broadly similar subjects
 - e.g. Faculty of Science, Faculty of Business and Economics (Business School), Faculty of Arts, Faculty of Architecture
 - ❖ We are in the School of Computing and Data Science (CDS, 計算與數據科學學院)
- ➤ Department (學系):
 - An academic unit that specializes in a specific subject
 - Usually, there are several departments in a faculty
 - ❖ We are in the Department of Statistics and Actuarial Science (SAAS, 統計及精算學系)
- List of all units at HKU: https://www.hku.hk/faculties/

HKU has 10 Faculties + 1 Graduate School



School of CDS has 3 Departments

https://www.cds.hku.hk/











15

1344

69

18th

SAAS Department Website



Department of 統計及精算學系
Statistics & Actuarial Science
THE UNIVERSITY OF HONG KONG

https://saasweb.hku.hk/

The School of Computing and Data Science (https://www.cds.hku.hk/) was established by the University of Hong Kong on 1 July 2024, comprising the Department of Computer Science and Department of Statistics and Actuarial Science.

HOME ABOUT US PEOPLE RESEARCH STUDY PROGRAMMES CURRENT STUDENTS NEWS & EVENTS CONTACT US

<u>Department Office:</u>
3/F, Run Run Shaw Building
(NOT Run Run Shaw <u>Tower!</u>)



Programmes & Admissions

> Admissions (2025-26 intake)

Undergraduate Programmes:

- Bachelor of Arts and Sciences in Applied Artificial Intelligence [BASc(AppliedAI)]
- Statistical Decision Sciences *
 - Bachelor of Statistics (Decision Analytics) [BStat(DA)]
 - Bachelor of Statistics (Risk Management) [BStat(RM)]
 - Bachelor of Statistics (Statistics) [BStat(ST)]
- Bachelor of Science in Actuarial Science [BSc(ActuarSc)]



You are studying this professional degree programme

Taught Postgraduate Programmes:

- Master of Data Science (MDASC)
- · Master of Statistics (MStat)
- . Mactor of Science in Artificial Intelligence [MSc/AIN]



Department of 統計及精算學系 Statistics & Actuarial Science THE UNIVERSITY OF HONG KONG

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RESEARCH STUDY PROGRAMMES CURRENT STUDENTS NEWS & EVENTS HOME PEOPLE **ABOUTUS** (0(0)NH7A(0)T(U)S

> Important information about the BStat programme can be found here. Check this page regularly!

- BASc(AppliedAI)
- BSc (Major in Decision Analytics)
- BSc (Major in Risk Management)
- BSc (Major in Statistics)
- BSc(ActuarSc)

BStat

- MDASC
- MStat
- Research Postgraduate

Bachelor of Statistics (Professional Core in Decision Analytics / Risk Management / Statistics) (BStat)

Timetable and Calendar

- UG Timetable for 2025-26, 1st semester (Updated on August 13, 2025)*
- UG Timetable for 2025-26, 2nd semester (Updated on August 13, 2025)*

*For reference only. The course schedule and venue may be subject to changes. Students are strongly advised to double check the course schedule and venue on HKU Portal before going to the lectures.

Calendar for the Academic Year 2025-2026

Courses

Course List in the Academic Year 2025-2026

Your Degree

- Bachelor of Statistics (BStat)
 - Professional Core in Decision Analytics (DA)
 - Professional Core in Risk Management (RM)
 - Professional Core in Statistics (ST)
- Department of Statistics and Actuarial Science
- ➤ School of Computing and Data Science (3 Departments/Divisions)
- ➤ The University of Hong Kong



Statistical Decision Sciences (SDS) 統計決策科學

- ➤ Bachelor of Statistics (BStat) 統計學學士
- ➤ Professional Core 專業必修:
 - ❖ Decision Analytics (DA) 決策分析學
 - ❖ Risk Management (RM) 風險管理學
 - ❖ Statistics (ST) 統計學

More intensive than a Major (主修)

Our SAAS Department also offers:

- Major in Decision Analytics
- Major in Risk Management
- Major in Statistics
- Minor in Risk Management
- Minor in Statistics

Academic Dates Terminology

- HKU: 1st Semester, 2nd Semester, Summer Semester
- Course selection period
- Suspension period
- Add/drop period
- Reading week
- Revision period
- Assessment period
- Check the Calendar:
 https://saasresearch.hku.hk/share/student/u2025/Dates_of_semesters_2025-2026.pdf
- Lectures and Tutorials/Example Classes
- Important Academic Dates 2025-26 from Academic Advising & Scholarships Office (AASO):

https://aas.hku.hk/important-academic-dates/

	SUN	MON	TUE	WED		FRI	SAT	FIRST SEMESTER: SEP 1 - DEC 23, 2025	Week
] 1 8	2	3 10	4	5	6	First Day of Teaching: Sep 1, 2025	1
SEP-25	7 14	8 15	16	10 17	11 18	12 19	13 20		2 3
	21	22	23	24	25	26	27		4
	28	29	30				_		5
				[1]	2	3	4		
007.05	5	6	[7]	8	9	10	11	D 6 TO 11 TO 11 O 11 O 10 O 10	6
OCT-25	12 19	13 20	14 21	15 22	16 23	17 24	18 25	Reading/Field Trip Week: Oct 13 - 18, 2025	7(Reading) 8
	26	27	28	[29]	30	31	-23		9
							1		
	2	3	4	5	6	7	8		10
NOV-25	9	10	11	12	13	14	15		11
	16 23	17 24	18 25	19 26	20 27	21 28	22 29	Last Day of Teaching: Nov 29, 2025	12 13
	30	24	23	20	21	20	29	Last Day of Teaching, Nov 29, 2023	13
		1	2	3	4	5	6	Revision Period: Dec 1 - 5, 2025	14(Revision)
	7	8	9	10	11	12	13	Assessment Period: Dec 6 - 23, 2025	1
DEC-25	14	15	16	17	18	19	20		2
	21	22	23	(24)	[25]	[26]	27		3
	28	29	30	<31>	[1]	2	3		Break
	4	5	6	7	8	9	10		Break
JAN-26	11	12	13	14	15	16	17	SECOND SEMESTER: JAN 19 - MAY 26, 2026	Break
	18	19	20	21	22	23	24	First Day of Teaching: Jan 19, 2026	1
	25	26	27	28	29	30	31		2
	1	2	3	4	5	6	7		3
FEB-26	8 15	9 <16>	10	[18]	12	20	21	Class Suspension Period for the Lunar New Year: Feb 17 - 23, 2026	4 5
	22	23	24	25	26	27	28	Ped 17 - 23, 2020	,
	1	2	3	4	5	6	7		6
	8	9	10	11	12	13	14	Reading/Field Trip Week: Mar 9 - 14, 2026	7(Reading)
MAR-26	15	(16)	17	18	19	20	21		8
	22 29	23 30	24 31	25	26	27	28		9 10
		30	- 51	1	2	[3]	[4]		10
	5	[6]	[7]	8	9	10	11		11
APR-26	12	13	14	15	16	17	18		12
	19 26	20 27	21 28	22 29	23 30	24	25		13 14
	20	21	28	29	30	[1]	2	Last Day of Teaching: May 2, 2026	14
	3	4	5	6	7	8	9	Revision Period: May 4 - 9, 2026	15(Revision)
MAY-26	10	11	12	13	14	15	16	Assessment Period: May 11 - 26, 2026	1
NIA1-20	17	18	19	20	21	22	23		2
	24	[25]	26	27	28	29	30		3
	31	1	2	3	4	5	6		Break
	7	8	9	10	11	12	13		Break
JUN-26	14	15	16	17	18	[19]	20		Break
	21	22	23	24	25	26	27	OPTIONAL SUMMER SEMESTER	Break
	28	29	30					JUN 29 - AUG 22, 2026	1
	١.		7	[1]	2	3 10	4		2
JUL-26	5 12	6 13	14	8 15	9 16	10 17	11 18		2 3
002-20	19	20	21	22	23	24	25		4
	26	27	28	29	30	31			5
							1		
	2	3	4	5	6	7	8		6
AUG-26	9 16	10 17	11 18	12 19	13 20	14 21	15 22		7 8
	23	24	25	26	27	28	29		0
	30	31	23	20	2.	20	27		
								•	

ACADEMIC ADVISING & SCHOLARSHIPS OFFICE THE UNIVERSITY OF HONG KONG About Us	Academic Scholarships Plan of Study Tips Tools & News & FAQ Advising Study						
The course information system opens for Year 1 students # to preview the available courses	From August, 2025 (after performing master registration)						
Online Course Selection for Year 1 students #	August 19, 2025 (Tue) (10:00 am) – August 25, 2025 (Mon) (4:00 pm) semester 1/full-year courses starting from 10:00 am on August 19, 2025; semester 2 courses starting from 10:10 am on August 19, 2025.						
Suspension Period	August 20, 2025 (Wed) (12:00 noon) – August 21, 2025 (Thur) (2:29 pm)						
Year 1 students # to check their course selection status online; Students can make further changes to their course selection	August 21, 2025 (Thur) (2:30 pm) – August 25, 2025 (Mon) (4:00 pm)						
Year 1 students # will not be allowed to make any changes to their course selection until the add/drop period After August 25, 2025 (Mon) (4:00 pm)							
First Day of Teaching	September 1, 2025 (Mon)						
Add/Drop Period for <u>All</u> Students	September 1, 2025 (Mon) (10:00 am) – September 15, 2025 (Mon) (4:00 pm) (a) year 1 students # starting from 10:00 am on September 1, 2025 (for both semesters); (b) year 2 students starting from 12:00 noon on September 1, 2025 (for both semesters); (c) year 3 students (including new Direct Admission into Senior Year students) starting from 2:00 pm on September 1, 2025 (for both semesters); and (d) year 4 (or above) students starting from 4:00 pm on September 1, 2025 (for both semesters).						
Suspension Period	September 2, 2025 (Tue) (12:00 noon to 4:59 pm)						
All Students to check their course selection status online	September 2, 2025 (Tue) (5:00 pm) – September 15, 2025 (Mon) (4:00 pm)						
End of Add/Drop Period	After September 15, 2025 (Mon) (4:00 pm)						
Reading/Field Trip *	October 13, 2025 (Mon) – October 18, 2025 (Sat)						
Last Day of Teaching *	November 29, 2025 (Sat)						
Revision Period *	December 1, 2025 (Mon) – December 5, 2025 (Fri)						
Assessment Period *	December 6, 2025 (Sat) – December 23, 2025 (Tue)						

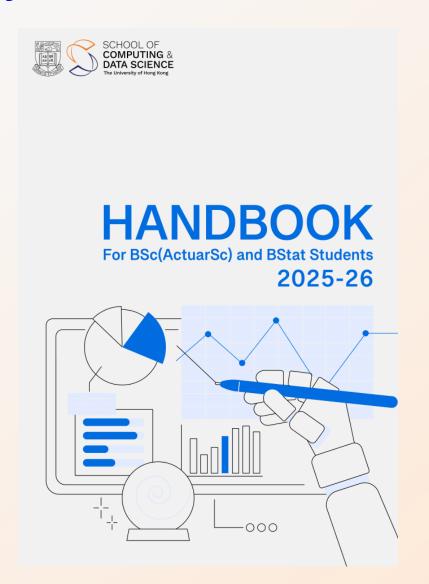
2025-2026 First Semester

https://saasresearch.hku.hk/share/student/u2025/Dates_of_Semesters_2025-2026.pdf

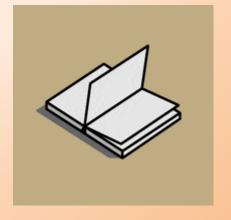
			Teaching period Teaching Teaching Period						
	SUN	MON	TUE	WED	THUR	FRI	SAT	FIRST SEMESTER: SEP 1 - DEC 23, 2025	
		1	2	3	4	5	6	First Day of Teaching: Sep 1, 2025	
	7	- 8	9	10	11	12	13		
SEP-25	14	15	16	17	18	19	20	Tutorial classes usually	
	21	22	23	24	25	26	27	start from the 2 nd week of teaching	
	28	29	30					(Follow instructions of individual courses)	
	_			[1]	2	3	4		
OCT 25	5	6	[7]	8	9	10	11	7 1 F: 11 F : W 1 0 112 10 2025	
OCT-25	12	13	14	15	16	17 24	18 25	Reading/Field Trip Week: Oct 13 - 18, 2025	
	19 26	20 27	21 28	22 [29]	23 30	31	23		
	20	21	20	[27]	30	31	1	\dashv	
	2	3	4	5	6	7	8		
1 2027 25	9	10	11	12	13	14	15		
NOV-25	16	17	18	19	20	21	22		
	23	24	25	26	27	28	29	Last Day of Teaching: Nov 29, 2025	
	30								
		_ 1	2	3	4	5	<6	Revision Period: Dec 1 - 5, 2025	
	7	8	9	10	11	12	13	Assessment Period: Dec 6 - 23, 2025	
DEC-25	14	15	16	17	18	19	20		
	21	22	23	(24)	[25]	[26]	27		
	28	29	30	<31>					

Student Handbook 2025

https://saasresearch.hku.hk/share/student/u2025/SAAS-Handbook2025-26.pdf



- Degree Curriculum
- Graduation Requirements
- Honours Classification
- Degree Regulations
- Declaration of Major/Minor
- Course Registration



BStat Curriculum Requirements (240 credits) (Page 15) Professional Core in Professional Core in Professional Core in Risk Management Statistics **Decision Analytics** (120 credits): (120 credits): (120 credits): Level 1 or 2 courses Introductory Disciplinary Introductory Disciplinary Introductory Disciplinary "Disciplinary Core" means compulsory Core (30 credits) Core (42 credits) Core (30 credits) Introductory Disciplinary Introductory Disciplinary Introductory Disciplinary - "Disciplinary Elective" means you have a choice Elective (12 credits) Elective (12 credits) Elective (12 credits) Advanced Disciplinary Core Advanced Disciplinary Core Advanced Disciplinary Core (48 credits) (42 credits) (36 credits) Level 3 or above courses Advanced Disciplinary Advanced Disciplinary Advanced Disciplinary Elective (30 credits) Elective (24 credits) Elective (24 credits) Capstone (6 credits) Capstone (6 credits) Capstone (6 credits) focuses on integration and application of knowledge and skills gained in the Common Core Courses (36 credits): early years of study 6 courses in 5 Areas of Inquiry (at least 1 and not more than 2 courses from each AoI) UG 5 Requirements (54 credits) Language Enhancement Courses (12 credits): English: Study 8 semesters CAES1001 Academic Communication in English (ACE) (0 credit)¹ > Including exchange [normally taken in Year 1] > Excluding internship (leave) CAES9821 Professional and Technical Communication for Statistical Sciences (6 credits) 1 semester: 30 credits (5 courses) [normally taken in Year 2] 1 year: 60 credits (10 courses) Chinese: CSCI9001 Practical Chinese for Science Students (6 credits)2 (course code and title to be confirmed) [normally taken in Year 3] Need special approval if you want to take Artificial Intelligence Literacy (6 credits): > 36 credits, or AILT1001 Artificial Intelligence Literacy I (3 credits) AlLTxxxx Artificial Intelligence Literacy II (in specific area) (3 credits) < 24 credits in one semester (Not allowed for Year 1 students) Any other non-credit bearing course (0 credit): UGRE1001 Introduction to the Constitution, the Basic Law and the National Security Law

Combination Option A

Free electives: 66 credits to make up the 240 total credits

Combination Option B

Minor: 36-48 credits; and Free electives: 18-30 credits to make up the 240 total credits Combination Option C

Major: 72-96 credits

Total no. of credits cannot exceed 288

Overall study period cannot exceed 6 years
(except for mandatory military service)

Syllabus

https://saasresearch.hku.hk/share/bstat/2025-26/BStat-Syllabuses.pdf

- Most courses you will take are worth 6 credits each. Some shorter courses are worth a smaller number of credits (typically 3).
- To complete the BStat curriculum, you are required to <u>pass at least 240</u> credits of courses normally spread over four years of full-time study. You should take <u>60 credits of courses</u> in each year.
- Normally study for <u>8 semesters</u>, including exchange but excluding internship (leave).
- Two semesters a year:
 normal load is
 30 credits (5 courses)
 in each semester.

	Professional core					
Course category	Decision Analytics	Risk Management	Statistics			
UG 5 Requirements	54 credits	54 credits	54 credits			
Disciplinary Core Courses (Introductory)	42 credits	30 credits	30 credits			
Disciplinary Elective Courses (Introductory)	12 credits	12 credits	12 credits			
Disciplinary Core Courses (Advanced)	36 credits	48 credits	42 credits			
Disciplinary Elective Courses (Advanced)	24 credits	24 credits	30 credits			
Capstone Experience Courses	6 credits	6 credits	6 credits			
Elective Courses	66 credits	66 credits	66 credits			
Total	240 credits	240 credits	240 credits			

List of Courses Offered by SAAS

https://saasweb.hku.hk/courses/202526/

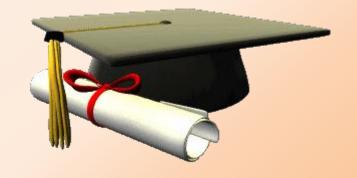
Click the course code to check individual course syllabus

Course List in the Academic Year 2025-2026

Course Code	Title	Semester offered in 2025-2026
SDST1016	Data science 101	2
SDST1018	Foundations of data science	2
SDST1600	Statistics: ideas and concepts	1, 2
SDST2601	Probability and statistics I	1, 2
SDST2602	Probability and statistics II	1, 2
SDST2604	Introduction to R/Python programming and elementary data analysis	1
SDST2901	Probability and statistics: foundations of actuarial science	2
SDST2902	Financial mathematics	2
SDST3010	Image processing and computer vision	2
SDST3021	Modern biostatistics	1
SDST3600	Linear statistical analysis	1, 2
SDST3602	Statistical inference	1
SDST3603	Stochastic processes	1
SDST3606	Business logistics	1
SDST3609	The statistics of investment risk	1
SDST3610	Risk management and insurance	2

Graduation Requirements

- Other than taking Disciplinary Core and Elective courses
- > 3 Language Courses
 - CAES1001 (Year 1, no credit)
 - ❖ CAES9821 (Year 2)
 - CSCI9001 (Year 3) [to be confirmed]
- ▶ 6 Common Core (CC) Courses
- 2 Al Literacy Courses (3 credits each)
 - AILT1001 (For all university students)
 - AILTxxxx (For specific area)
- 1 Capstone Course
 - SDST4710 (6 credits) [Group Project]
 - SDST4766 (6 credits) [Internship]
 - SDST3799 (6 credits) [Individual Project]
 - SDST4799 (12 credits) [Individual Project]



1 Non-Credit Bearing Course: UGRE1001

Common Core (CC) Courses

- https://commoncore.hku.hk/
- 5 Areas of Inquiry (AoIs):
 - Scientific and Technological Literacy
 - Arts and Humanities
 - Global Issues
 - China: Culture, State and Society
 - Artificial Intelligence
- Requirement:
 - Take 6 CC courses, one from each Aol and not more than 2 from any Aol
- Enrollment Statistics:
 - https://sweb.hku.hk/ccacad/ccc_appl/enrol_stat.html

A Note on Course Codes

- Courses offered by our SAAS Department have course codes of the form SDSTxxxx and STATxxxx.
- Students admitted in 2025 and thereafter (i.e. YOU!) must enroll in courses with prefix SDST.
- Courses with prefix STAT are for students admitted in 2024 or before only.
- SDST/STAT courses with the same course numbers have identical content and time slot.
 - For example, SDST1600 and STAT1600 are both Statistics: Ideas and Concepts and are taught by the same teacher.
 - Courses with prefix other than SDST and STAT may be offered by other departments, they may refer to different courses even if the course number is the same.







Bachelor of Statistics (Decision Analytics) [BStat(DA)]

You have selected Bachelor of Statistics (Decision Analytics). Select other options to view other undergraduate programme.

Curriculum Map

Year 1 Year 2	Year 3 Year 4	Programme Features				
Decision Analytics Core (Foundation) 42 Credits	Decision Analytics Core (Advanced) 36 Credits	Accreditation by the Royal Statistical Society (RSS)				
	Capstone	2 High-performance analytics				
	Internship or Project 6 Credits	3 Statistical & computational methods				
Mathematics Electives 12 Credits	Decision Analytics Electives 24 Credits	Practical applications to different industries				
	Free Electives / 2 nd Major / Minor(s) 66 Credits					
University Re Common Core, Lang 54 Cre						





54 Credits



Bachelor of Statistics (Risk Management) [BStat(RM)]

You have selected Bachelor of Statistics (Risk Management). Select other options to view other undergraduate programme.

Curriculum Map

Year 1 Year 2	Year 3 Year 4	Programme Features
Risk Management Core (Foundation) 30 Credits	Risk Management Core (Advanced) 48 Credits	Accreditation by the Royal Statistical Society (RSS)
	Capstone	2 Quantitative analysis
	Internship or Project 6 Credits	3 Investment & risk modelling
Mathematics Electives 12 Credits	Risk Management Electives 24 Credits	4 Entrepreneurship
Free Electives / 2 ^{nc}		5 Internship & industry exposure
University Re Common Core, Lang		







Bachelor of Statistics (Statistics) [BStat(ST)]

You have selected Bachelor of Statistics (Statistics). Select other options to view other undergraduate programme.

Curriculum Map

Year 1 Year 2	Year 3 Year 4	Programme Features
Statistics Core (Foundation) 30 Credits	Statistics Core (Advanced) 42 Credits	Accreditation by the Royal Statistical Society (RSS)
	Capstone	Poundation of statistical methodologies
	Internship or Project 6 Credits	Training for research skill/research study
Mathematics Electives 12 Credits	Statistics Electives 30 Credits	Practical applications to different industries
Free Electives / 2 nd		5 Internship & industry exposure
University Re	quirements	
Common Core, Lang 54 Cre		

BStat (Professional Core in Decision Analytics) Suggested Study Plan A

Year	One			Two	Th	iree	Four		
Semester	One	Two	One	Two	One	Two	One	Two	
Disciplinary	MATH1013	COMP1117	COMP2113	COMP2118	MATH3900	SDST3612	SDST4610	SDST4609	
Core	University	Computer	Programming	Data Structures and	Optimization for	Statistical Machine	Bayesian Learning	Big Data Analytics	
	Mathematics II	Programming	Technologies	Algorithms Essentials	AI and Data	Learning			
					Analytics			SDST4611	
	SDST1600		SDST2601	SDST2602	SDST3600			High-Dimensional	
	Statistics: Ideas and		Probability and	Probability and	Linear Statistical			Statistical Learning	
	Concepts		Statistics I	Statistics II	Analysis				
Disciplinary		List A (for general		Statistics 11	-	ourses) selected from the	following courses:		
Elective			MATH2014	_	COMP3251 A		-		
						lgorithm Design and Ana			
		Fundamental	Multivariable			troduction to Database M cientific Computing	lanagement Systems		
		Concepts of	Calculus and			Iodern Nonparametric Sta	tistics		
		Mathematics	Linear Algebra			atistical Data Analysis			
			or			ata Visualization atural Language Processi:	ng		
		List B (for advance	d study)	-		ledical Image Analysis	ng .		
		MATH2101	MATH2211	-		ime-Series Analysis			
			Multivariable			lultivariate Data Analysis terpretable Machine Lear			
		Linear Algebra I				ausal Inference	ming		
			Calculus		SDST7609 R	esearch Methods in Statis	tics		
Capstone						ected from the following			
						irected Studies in Stati			
						apstone Experience for	: Statistics Undergradu	ates	
						tatistics Internship tatistics Project (12 cre	dita		
Other	AILT1001			AILT2001	30314/99 3	austics Project (12 cie			
Courses	Artificial Intelligence			Artificial Intelligence					
Courses	Literacy I (3 credits)			Literacy II (3 credits)					
Common	Dictacy 1 (5 credits)	l							
Core		Six comr	non core courses (36	credits) within the first th	ree years				
Language	CAESI			ES9821		I9001			
	Academic Communi			chnical Communication	Practical Chinese for Science Students (to be confirmed)				
	(0 cred	its)	for Statis	stical Sciences					
	(offered in both	n semesters)	(offered in	both semesters)	(offered in b	oth semesters)			

Note 1: This suggested study plan is for students' reference only. Students can choose another subclass if a course is also offered in different semesters/time slots. However, students are reminded to check the course prerequisites when planning their studies ahead, whilst course offering semester and availability are subject to changes every year. Please refer to the Student Handbook, Regulations and Syllabus for more details.

Note 2: Students may also choose to take more Disciplinary Core or Elective courses as free electives than the number stipulated above within the allowed course load.

Note 3: If there are any courses mutually exclusive to any Disciplinary Core courses, students must take the course stated in the curriculum to fulfil the degree requirement of the Professional Core. Course replacement should only be applied for the other Major(s) or Minor(s).

Note 4: Please refer to the Student Handbook for details about exemption of language courses if applicable.

BStat (Professional Core in Risk Management) Suggested Study Plan A

Year	One			Two	T	hree	Four	
Semester	One	Two	One	Two	One	Two	One	Two
Disciplinary	MATH1013	COMP1117	SDST2601	SDST2602	SDST3600	SDST3618	SDST4601	SDST4607
Core	University	Computer	Probability and	Probability and	Linear Statistical	Derivatives and	Time-Series	Credit Risk
	Mathematics II	Programming	Statistics I	Statistics II	Analysis	Risk Management	Analysis	Analysis
	SDST1600			SDST3615	SDST3609		SDST4610	SDST4608
	Statistics: Ideas and			Practical Mathematics	The Statistics of		Bayesian Learning	Market Risk
	Concepts			for Investment	Investment Risk			Analysis
Disciplinary		List A (for general)	study)	At least 24 credits (4 co	,	he following courses:		
Elective		MATH2012	MATH2014	SDST3602 Statis				
		Fundamental	Multivariable	SDST3603 Stock	nastic Processes Management and Inst	trance		
		Concepts of	Calculus and		stical Machine Learni			
		Mathematics	Linear Algebra	SDST3655 Surv				
			or	SDST3910 Finar				
		List B (for advance		SDST3911 Finan				
				⊣	ent Topics in Risk Ma	nagement el Accords in Banking	and Einanaa	
		MATH2101	MATH2211		ntitative Risk Manager		and Finance	
		Linear Algebra I	Multivariable		arch Methods in Statis			
			Calculus	SDST7610 Adva	nced Probability			
Capstone						ected from the following	•	
						Directed Studies in Stati		
						apstone Experience for tatistics Internship	Statistics Undergradu	ates
						tatistics Project (12 cre	dits)	
Other	AILT1001			AILT2001				
Courses	Artificial Intelligence			Artificial Intelligence				
	Literacy I (3 credits)			Literacy II (3 credits)				
Common Core		Six comm	non core courses (36	credits) within the first th	ree years			
Language	CAES1			ES9821		CI9001		
	Academic Communi (0 cred	_		chnical Communication Practical Chinese for Science Students (to be confirmed)				
	(offered in both		/- CC 1 i	both semesters)	4 66 1: 1	oth semesters)		

Note 1: This suggested study plan is for students' reference only. Students can choose another subclass if a course is also offered in different semesters/time slots. However, students are reminded to check the course prerequisites when planning their studies ahead, whilst course offering semester and availability are subject to changes every year. Please refer to the Student Handbook, Regulations and Syllabus for more details.

Note 2: Students may also choose to take more Disciplinary Core or Elective courses as free electives than the number stipulated above within the allowed course load.

Note 3: If there are any courses mutually exclusive to any Disciplinary Core courses, students must take the course stated in the curriculum to fulfil the degree requirement of the Professional Core. Course replacement should only be applied for the other Major(s) or Minor(s).

Note 4: Please refer to the Student Handbook for details about exemption of language courses if applicable.

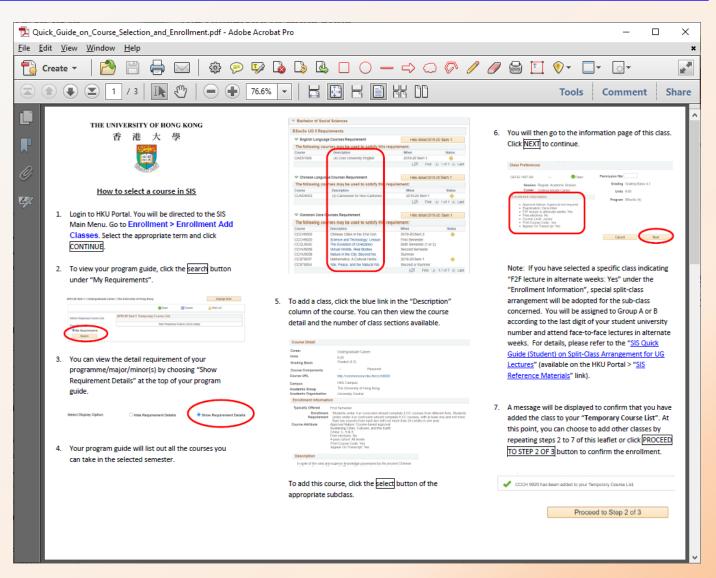
BStat (Professional Core in Statistics) Suggested Study Plan A

Year	One	,	Two			Th	ree	Four	
Semester	One	Two	One	Two		One	Two	One	Two
Disciplinary Core	MATH1013 University Mathematics II SDST1600 Statistics: Ideas and Concepts	COMP1117 Computer Programming	SDST2601 Probability and Statistics I	SDST2602 Probability and Statistics II		SDST3600 Linear Statistical Analysis SDST3603 Stochastic Processes SDST3620 Modern Nonparametric Statistics	SDST3621 Statistical Data Analysis	SDST3602 Statistical Inference SDST4610 Bayesian Learning	SDST4602 Multivariate Data Analysis
Disciplinary Elective		List A (for general s MATH2012 Fundamental Concepts of Mathematics List B (for advanced MATH2101 Linear Algebra I	MATH2014 Multivariable Calculus and Linear Algebra	At least 30 credits (5 courses) selected from the following courses in List S1 and List S2. At least 6 credits (1 course) in List S1 (mainstream statistical topics): SDST3612 Statistical Machine Learning SDST3655 Survival Analysis SDST4601 Time-Series Analysis At least 12 credits (2 courses) in List S2 (statistical applications and other advanced topics): SDST3021 Modern Biostatistics SDST3604 Design and Analysis of Experiments SDST3606 Business Logistics SDST3607 Statistics in Clinical Medicine and SDST3607 Statistics in Clinical Medicine and Bio-medical Research SDST3608 Statistical Genetics SDST7610 Advanced Probability					satistical Learning Statistics
Capstone						SDST3799 Di SDST4710 Ca SDST4766 St	ected from the followin frected Studies in Statis apstone Experience for atistics Internship atistics Project (12 cree	g courses: stics Statistics Undergradu	
Other Courses	AILT1001 Artificial Intelligence Literacy I (3 credits)			AILT2001 Artificial Intelligence Literacy II (3 credits)					
Common Core	, , , , , , , , , , , , , , , , , , , ,	Six comm	non core courses (36 c			ree years			
Language	CAESI Academic Communi (0 cred (offered in both	cation in English	Professional & Tec for Statis	CAES9821 rofessional & Technical Communication for Statistical Sciences (offered in both semesters)			I9001 or Science Students onfirmed) oth semesters)		

- Note 1: This suggested study plan is for students' reference only. Students can choose another subclass if a 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 Student Handbook, Regulations and Syllabus for more details.
- Note 2: Students may also choose to take more Disciplinary Core or Elective courses as free electives than the number stipulated above within the allowed course load.
- Note 3: If there are any courses mutually exclusive to any Disciplinary Core courses, students must take the course stated in the curriculum to fulfil the degree requirement of the Professional Core. Course replacement should only be applied for the other Major(s) or Minor(s).
- Note 4: Please refer to the Student Handbook for details about exemption of language courses if applicable.

Course Selection in SIS

https://intraweb.hku.hk/reserved_1/sis_student/sis/SIS-reference-materials.html



Special Approval

- During your studies, you may need to submit requests for special approvals, for example:
 - Overloading or underloading
 - Advanced standing (waiver of taking courses similar to those you have taken in the past)
 - Prerequisite not met (e.g. you cannot enroll in a course because you failed a prerequisite course)
 - Time clash
 - Leave of absence (for internship, military service, etc.)
- Submit the corresponding application form to our department by the stipulated deadline
- The forms will be available at https://saasweb.hku.hk/current/forms/
- Different procedure compared to current Year 2+ students!

Special Approval

- Time Clash
 - Must seek advice from the teachers concerned
- Overloading or Underloading (formally "Taking courses deviating from normal load")
 - ❖ Defined as > 36 or < 24 credits in 1 semester, or > 72 credits in 1 year
 - Detailed study plan needed for approver to assess your situation
 - Not approved for Year 1 students

Leave of Absence

- Sick leave (e.g. semester-long): Medical certificate as evidence
- Full-time internship: Contract of internship offer
- Other reasons: Relevant supporting documents

Regulations on Discontinuation

https://saasresearch.hku.hk/share/bstat/2025-26/BStat-Regulations.pdf

ST 9

Unless otherwise permitted by the Board of Studies of the School of Computing and Data Science, candidates shall be recommended for discontinuation of their studies if they have:

- a) failed to complete successfully 36 or more credits in two consecutive semesters (not including the summer semester), except where they are not required to take such a number of credits in the two given semesters; or
- failed to achieve an average Semester GPA of 1.0 or higher for two consecutive semesters (not including the summer semester); or
- c) exceeded the maximum period of registration specified in ST 2.

6 years

Personal Tips

- Understand the difference between secondary school and university
 - Need more initiatives and self-discipline
 - Time management
- Plan your own path and build up your profile
 - Leadership
 - Voluntary service
 - Hobbies
 - **Extra-curricular activities**
 - **Certificates**



Major and Minor

Page 21 of the Student Handbook:

BStat

The curriculum of BStat offers three Professional Cores, namely *Decision Analytics*, *Risk Management* and *Statistics*, for students to choose one as their primary major.

Students in their first year are not required to declare any Professional Core as their primary major, second major, or minor(s). They are encouraged to explore courses matching their interests and capacity before committing to a specific Professional Core, second major and/or minor(s). From the second year until the start of the third year, students must declare their intended Professional Core (e.g. primary major) online during course selection periods, while declaration of second major and/or minor(s) is optional. If they wish to change their declared primary major, second major and/or minor(s), such changes can be made online no later than the first course selection period of their final academic year before graduation.

Since each Professional Core, major and minor has specific requirements, including unique course structures and requirement of courses and credits, students who decide to change their primary major, second major and/or minor(s) should review the relevant requirements carefully and allow sufficient time to complete them.

Failure to fulfill the course requirements of the declared Professional Core (e.g. primary major) will render students ineligible for graduation. However, failure to meet the requirements of any declared second major or minor(s) by graduation (or the last academic semester) will result in the automatic deletion of that major/minor from the record.

Major and Minor

Page 22 of the Student Handbook:

Important Notes on Major/Minor Combinations:

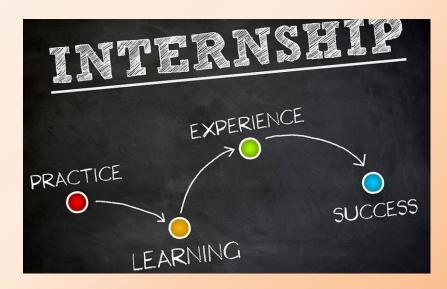
Certain combinations of majors and minors are not permitted for BStat students. Specifically:

- If you plan to declare Professional Core in Decision Analytics as your primary major, you are not allowed to take:
 - Major in Computer Science
 - Minor in Computer Science
 - Major in Decision Analytics
 - Major in Risk Management
 - Major in Statistics
 - Minor in Risk Management
 - Minor in Statistics
- If you plan to declare Professional Core in Risk Management or Professional Core in Statistics as your primary major, you are not allowed to take:
 - Major in Decision Analytics
 - Major in Risk Management
 - Major in Statistics
 - Minor in Risk Management
 - Minor in Statistics

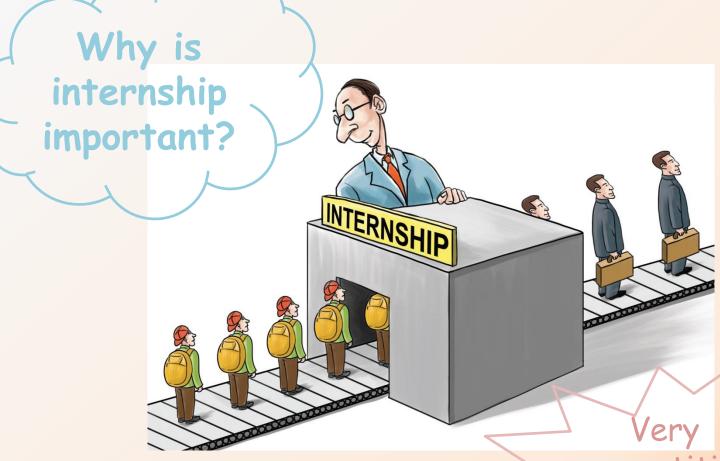
Please ensure your declared major/minor combinations comply with these restrictions.



Internship and Career Training



Internship



competitive market!

Skill Set

EN SKILL INCKE

- > Hard Skills
 - Statistical knowledge
 - Mathematical mind
 - Financial sense
 - Logical thinking
 - Modelling skills
 - Statistical techniques
 - Language proficiency
 - Programming skills
 - Computational effectiveness and efficiency

- Soft Skills
 - Communication
 - Presentation
 - Flexibility
 - Motivation
 - Patience
 - Attitude
 - Respect
 - Leadership
 - Teamwork
 - Time management
 - Work ethics

Job Hunting

- How to look for job opportunity?
 - Full-time placement/internship
 - Part-time work
 - Summer job
- **CEDARS**
- ➤ NETjobs
- > JIJIS
- ➤ Internship/Job Online-application System (for SAAS students only)



- BASc(AppliedAI)
- BSc (Major in Decision Analytics)
- BSc (Major in Risk Management)
- BSc (Major in Statistics)
- BSc(ActuarSc)
- BStat
- MDASC
- MStat
- Research Postgraduate
- Student Internship
- Scholarships
- Career Advising Programme (CAP)
- Useful Links
- Plagiarism

The Internship Programme

Login to Internship/Job Online-application System (required HKU VPN)

Benefits to Students

There is no better training than obtaining solid hands-on experience in the real workplace. In conjunction with the <u>Career Advising Programme</u>, our Internship Programme serves precisely this purpose. As an intern, the student will gain insight into the challenging world and daily activities of an Actuary/Statistician/Data Scientist while strengthening his/her technical, analytical and communication skills.

Under the Internship Programme, BASc(AppliedAI) students, BSc(ActuarSc) students, students who declare Decision Analytics / Risk Management / Statistics as their First Major, and our postgraduate students are eligible to use the Department's Internship/Job Online-application System, where related internships and other job openings including graduate positions will be posted.

Our alumni may wish to know that normally they will still be eligible to use the System after graduation from our Department.

Benefits to Employers

Actuarial Science and Decision Analytics / Risk Management / Statistics students at The University of Hong Kong are equipped with a wide spectrum of knowledge and skills:

- · data management, data analysis, statistical modelling;
- · loss modelling, actuarial modelling; and
- · ability to use software applications, such as VBA, spreadsheets, database management, R, SAS, graphics, etc.

Actuarial Science and Decision Analytics / Risk Management / Statistics students can contribute to the employer's company in many areas:



Records shown 1 - 13 of 13

Change Password

Update Contact Phone No.

Update Status

Logout

lobtype	Company Name	Job Title / Job Description / Form	Closing date	Action		
Internship_AS&ST	Chubb Life Hong Kong	Actuarial Interns (Jan-Jun 2018) SP 1114	2017-08-27	Submit completed application via email at@chubb.com		
Internship_AS&ST	AXA China Region Insurance Co Ltd	Intern (Jan-Jun 2018) FL 1138	2017-08-27	APPLY		
Internship_AS&ST	Prudential Hong Kong Limited	Actuarial Intern (Jul-Dec 2018) ML 1193	2017-09-30	APPLY		
Internship_AS&ST	AIA Group	Actuarial Internship Programme (Jul-Dec 2018) AW 1201	2017-08-20	<u>APPLY</u>		
Internship_AS	Prudential Corporation Asia	3 Actuarial Internships (Jul-Dec 2018) NC 1212	2017-08-27	<u>APPLY</u>		
Internship_AS&ST	Hannover Re	Data Analyst Intern/Actuarial Intern (start in mid of Aug) AY 1222	2017-08-13	Submit completed application via email at <u>@hannover-re.com</u>		
Full-time_AS&ST	Deloitte China	Consultant / Senior Consultant (GRAD)(ASAP) GL 1225	2017-08-20	Submit completed application via email at@deloitte.com.hk		
Internship_ST&AS	Swiss Re	Intern (ASAP)(6 months) RL 1230	2017-08-16	Submit completed application via email at@swissre.com		
Full-time_ST&AS	Swiss Re	2018 Graduates Programme(GRAD)(ASAP) RL 1232	2017-09-30	Please apply directly through http://www.swissre.com/		
Full-time_AS&ST	Prudential Corporation Asia	Actuarial Assistant (GRAD)(ASAP) NC 1233	2017-08-20	<u>APPLY</u>		
Internship_ST&AS	JP Morgan	2018 C&I Bank Risk Management Summer Analyst Program JP 1234	2017-10-29	Please apply directly through https://jpmc.recsolu.com/external/requisitions/XzCM1GKqKa3kc		
Internship_AS&ST	AIA Group	Actuarial Audit Internship Programme (Jan-Jun 2018) CL 1235	2017-08-20	APPLY		
Full-time_AS	FTLife Insurance Company Limited	Actuarial Assistant (GRAD) (ASAP) CC 1236	2017-09-10	Submit completed application via email at@ftlife.com.hk		

Please read the following terms very carefully and complete the blanks, if applicable, before you submit applications:										
	1.	lf applicable, I have completed my last exchange on yyy	ry-mm-dd	or last internship o	n yyyy-mm-dd					
DECLARATIO	Interview Feedback Form ASAP (but not later than 3 days) after attending the interview and receiving offer. 5. If I decide to decline any possible nomination and job offer, I will notify the Department within 24 hours at internship-job@saas 6. If applicable, requirements I do not meet include.									
				Max. 100 characters) .						
	7.	। I have provided the latest CV and cover letter tailored to t								
		8. If I resign from the position prior to the end date stated in the job description, I will complete Section C of the Interview Feedback Form within 3 days.								
	9.	3. I agree not to send my application directly to the employer without prior consents of my Department.								
N S		10. I vaken the course STAT4767 Actuarial Science Internship. If not, I vake the course STAT4767 Actuarial Science Internship after I accept an internship position. (This course is required if you want to be regarded as a student intern and exempted from								
3	the Minimum Wage Ordinance). 11. After I accept a full-time internship position that overlaps with the academic school period from September 1 to May 31, I will appleave of absence from the Department via the Faculty of Science office as soon as possible. Please note that the Department re the right NOT to approve any cancellation for leave of absence that has already been approved. 12. I understand that I may be disqualified for nomination of all prospective internship and graduate job opportunities for any reviolation of the above obligations.									
Application Form / Cover Letter (compulsory) If an application form is available, you must submit your filled form as Choose File No file chosen										
If an application form is available, you must submit your filled form as required here.			Choose File No life Ci	nosen						
CV / Resume (compulsory)			Choose File No file chosen							
Scanned HKU Transcript / Exam Result (compulsory) Please capture the page which shows ALL your Course Names, Exam Grades and your current CGPA in HKU Portal and then save it as PDF.			Choose File No file chosen							
Other Supporting Document(s)		porting Document(s)	Choose File No file chosen (combine all relevant supporting documents into one PDF file.)							
PC Skill										
			(Max. 100 characters)							
Language Skill			DSE English or Equivalent HKAL English or Equivalent HKCEE English or Equivalent	NA ▼ Equiva NA ▼ HKAL Equiva	Chinese or Ilent E Chinese or	NA V				
Α	Apply Capcel									

- Eligibility to use the System
 - Only students/alumni of <u>Department of SAAS</u>
 - For BStat students, you are required to attend
 - Workplace Etiquette Workshop (either session in Sem 1 or Sem 2)
 - Consultation session with career adviser
 - Preliminary access to the System will be granted in the middle of Sem 1. Full access will be granted upon completion of all requirements in the middle of Sem 2
 - As soon as you have preliminary access, you should upload your CV for career adviser's review
 - Check our Department's job advertisements from time to time and apply them before the deadline

Workplace Etiquette Workshop

- Date: September 16, 2025 (Tuesday)
- ightharpoonup Time: 4:00 5:00 pm
- ➤ Venue: Room LE1, Library Extension Building
- Our Career Adviser will remind you of some useful workplace gesture and attitude.
- You must attend **one session** of **Workplace Etiquette Workshop** (+ other requirements) before being granted full access to the Internship / Job Online-application System.
- ➤ If you have a time clash, you can attend either event in Semester 2, typically in January or February.

Professional Preparation Programme (PPP)

- Offered in both semesters
- > Series of workshops
- > Modules



- Case Analysis & Presentation
 - Provide business cases and real-life situations for your professional analysis
- **&** Group Interview
 - Specialize the skill in collaboration in group presentation, like leadership and organization
- Choosing between Job Offers (for more senior students)
 - Train students on how to assess different offers critically and make a wise decision

Certificate Course in "Essential IT Skills"

- > Non-credit bearing
- ➤ Offered in June (after Semester 2)
- Senior year students have priority, but Year 1 students are also admitted!
- **Contents**
 - **♦** C++
 - ***** Excel VBA
 - * SQL
 - R
 - * Python
 - * Project presentation



Professional Development (PD)

- Tailored consultation on CV and cover letter writing
- One-to-one or group consultation on interview skills, e.g. mock interview
- Tailored modules of Professional Preparation Programme (PPP)
- Career talks
- Company visits
- > Alumni sharing
- > SAAS Career Fair [Big Event!]



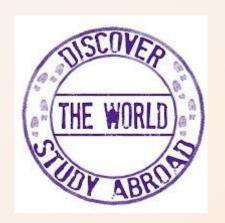


Exchange Experience



Exchange Opportunities

- HKU Worldwide Undergraduate Student Exchange Programme (HKUWW)
 - https://intlaffairs.hku.hk/hku-worldwide-student-exchange
- Overseas Experiential Learning Activities (organized at the departmental level)
 - https://saasweb.hku.hk/current/exchange.php





Exchange Credit Transfer

Students on exchange may take courses regarded as equivalent to some HKU courses to fulfill the degree requirement.

- The grades obtained in these courses are not counted towards your GPA.
- Students need to complete an application form (to be available on SAAS webpage) for credit transfer and obtain approval from our department before departure.

Career Support and Activities

- Centre of Development and Resources for Students (CEDARS) (www.cedars.hku.hk)
- Workplace Etiquette Workshop
- Internship Presentation by senior DA/RM/ST students
- Departmental Internship/Job Online-application System
- Professional Development (PD)
 - Professional Preparation Programme (PPP)
 - Individual consultation on cover letter, CV and interview skills
 - © Corporate Mentorship Programme (CMP)
 - Market information workshop
 - Firm visits and alumni sharing
 - SAAS Career Fair



Student Community Platform

We provide an online platform for all BStat students to discuss academic and professional matters, share experience in studying and job hunting, etc.



Why do you choose to major in Risk Management?

by Wat Kam Pui - Wednesday, 19 April 2023, 10:04 PM

Can senior students (especially final year students) share some views with junior students to let them know any prospect about our major to help them decide which science major to pursue?

- · Why did you choose to major in risk management?
- · Any difficulties have you encountered?
- · Any advice you can give to junior students?

Thanks for leaving useful comments to us...





Re: Why do you choose to major in Risk Management?

- Thursday, 20 April 2023, 7:45 AM

· Why did you choose to major in risk management?

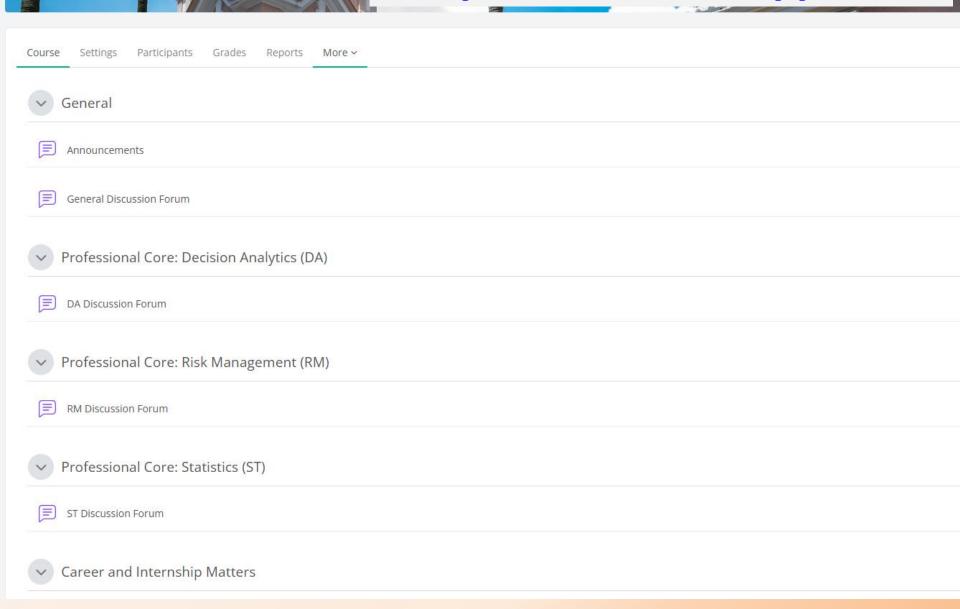
The curriculum of risk management is are more practical and easy for me.

· Any difficulties you have encountered?

The main difficulty would be how we apply what we learn to our work. Another pick up basic qualitative risk management knowledge (e.g. what is the risk manaleisure time as the employer expects us to know the general aspects of the risk

BSTAT Statistical Decision Sciences Community [2025]

Link: https://moodle.hku.hk/course/view.php?id=125814



More Student Activities

> SAAS Student Gathering (new!)

- A casual event for you to get to know your classmates and make friends
- Sharing by current students and/or alumni
- Date and venue to be confirmed, likely in October or November 2025

Focus Group Meeting

- A meeting with students and teachers to voice your opinions and feedback about the programme
- Date and venue to be confirmed, likely in April 2026

School Academic Advisers Student Peer Advisers

- Sign up your School Academic Adviser (SAA) and Student Peer Adviser (SPA): https://aas.hku.hk/faa-signup/
- You are <u>required</u> to meet your SAA at least one time in your First Year (preferably within the add/drop period), to talk about:
 - Your adaption to the university life
 - Your study plan, course enrollment
 - Any problems you encountered
 - Any concerns you have
- If you later need any academic advising, you are always welcome to approach your SAA and/or SPA.

School Academic Advisers Student Peer Advisers



About Us

Academic Advising

Scholarships

Plan of Study

Study Tips

Tools & Resources

News & Activities

FA

Sign up for Your Faculty Academic Adviser/ Faculty Student Adviser

Welcome on Board!

At HKU, every undergraduate student is supported by a Faculty Academic Adviser (FAA) – an academic staff member from your home Faculty who offers guidance on academic matters. Some Faculties also appoint Faculty Student Advisers (FSA) – senior students who help you transition into university life by sharing their experience and advice.

FAA/FSA SIGN-UP SCHEDULE 2025-26

Architecture*, Arts (double-degree programmes), Business School, Computing and Data Science, Engineering, Law, Science, Social Sciences Aug 11 (Mon) 2pm - Aug 19 (Tue) 10am

Sign up via https://ugaa.hku.hk/signup-faa.php.

The system will automatically assign an FAA if you do not sign-up

by the deadline(s).

Arts (single-degree programmes)

Aug 15 (Fri) 5pm – Aug 22 (Fri) 10am

Click here to sign up for your FAA/FSA

^{*}Students from the Faculty of Architecture are only required to sign up for an FAA.

Academic Advising Forum

- Please click to join this university-wide academic advising forum administered by AASO:
 - ♦ https://moodle.hku.hk/course/view.php?id=77388 ← Click this!
- Examples given by AASO:
 - 10 Tips for Effective Learning and Successful Adjustment to University Studies https://aas.hku.hk/effective-tips/
 - Here are some tips on how to survive your exams https://aas.hku.hk/survive-exams/
 - Don't know how to calculate or estimate your GPA? Want to pull it up too? Let's try our GPA Calculator! https://aas.hku.hk/cgpa-calculator/
 - Full list of majors available @HKU https://aas.hku.hk/list-of-major/
 - Full list of minors available @HKU https://aas.hku.hk/list-of-minor/
 - How to select majors/ minors? These tips and videos might help. https://aas.hku.hk/how-to-select-mm/
 - How would your study plan be affected if your major/ minor is changed? You can use the "What-if" Function in "Degree Audit" of SIS to check it out. https://aas.hku.hk/acad_roadmap/year-two-engage/
 - Have you ever heard about Temporary Academic Advisers (TAA)? They are teachers and are happy to help students explore different major/ minor options. https://aas.hku.hk/steps-student/

University Resources

- HKU Library (HKUL)
 - ❖ <u>lib.hku.hk</u>
- Examinations Office
 - www.exam.hku.hk
- Centre of Development and Resources for Students (CEDARS)
 - cedars.hku.hk
- Academic Advising & Scholarships Office (AASO)
 - aas.hku.hk
- University Health Service (UHS)
 - * uhs.hku.hk
- Centre for Sports and Exercise
 - cse.hku.hk





FUTURE READINESS

These two online courses are specifically designed to help year one students successfully transition to university life and provide you with the foundational skills needed to excel in your academic journey

* First year students have been pre-enrolled







Preparation for University: Essentials for Success



Introduction to Research Methods

FUTURE READINESS

Completion of each course will earn you one out-of-classroom academic credit*

Bonus: if you complete both courses by the end of October, you will get a HKU T-shirt/campus store coupon

*Out-of-classroom academic credits are transcriptable credits in blocks of three as a recognition of out-of-classroom learning experiences; they do not count against the 240-credit graduation requirement for a normative four-year programme.



fri.hku.hk



Important Reminders

- Check HKU email account daily (Very important!)
- ➤ Note the deadline of any events and applications
- ➤ Course Selection
 - * Note the pre-requisites and restrictions
 - ❖ Never take a course which is mutually exclusive to the core courses in BStat curriculum
- ➤ Be active in career preparation
- Plan ahead for your four years
- > Seek proper help from the right place
- > Manage your time wisely
- > Assess your own ability and schedule



Final Remarks

- ➤ Don't be too dependent!
- Don't be too independent!

- Set your own goals:
 - Graduating with First Class Honours?
 - ❖ Getting a Second Major in @&%*#~!?
 - Having done more internships before graduation?
 - Going exchange to various countries?
 - Receiving a job offer from a top firm?
 - Getting to know 1000 people? (PS: 365 × 4 = 1460 > 1000)
- ➤ Be realistic! Be diligent!

Questionnaire for BStat Freshmen

We would like to hear from you about your views of your study at HKU. Please scan this QR code and complete the online questionnaire. Thank you!

Show the completion page to our staff to receive a souvenir!







Q & A



Statistical Decision Sciences

Department of Statistics & Actuarial Science, HKU

Why **Decision**?

- Something we do everyday
- Involves a thinking process
- Broad interpretation: from *picking a lunch set* to *picking a political/religious stance*, etc.

Why Statistical?

• The only alternative is to consult a fortune teller. Most of the time it doesn't work.

Why Sciences?

- Observation, experimentation, development of theories
- Covers broad range of disciplines, structured under 3 professional cores:

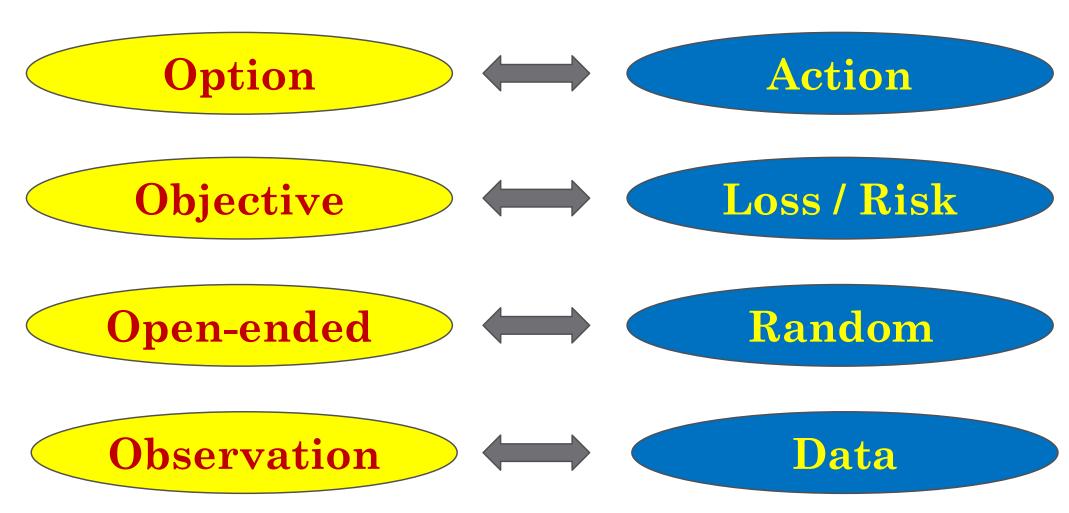
Decision Analytics / Risk Management / Statistics

What makes a **Statistical Decision problem**?



What makes a **Statistical Decision problem**?

Example:



SDS - a discipline to reach out from finiteness to infinity...

finiteness

(observable)



VS

infinity

(unobservable)



Sample vs Population

Past vs Future

Known vs Unknown

DATA vs TRUTH

Statistical Decision Sciences vs

AI & Data Science

Not mutually exclusive

Not equivalent

AI & DS → technology-oriented

SDS → methodology-oriented

AI & DS → trains machines to think wise

 $SDS \rightarrow trains humans to think wise$

AI & DS → makes life easy & comfortable

SDS → makes life meaningful

"I have decided to tell lies..."



Question: "If God wanna give me a time limit,

I'll say this love will last???"

Two cops chasing the Joker



Question: Is Joker there or not?

Alive in the Andes



12 December 1972 (Tuesday) - Day 61 16 people still alive...

Food is quickly running out...

enough for 1 person to last out 500 days (or for 16 people to last out 31.25 days)

"Old Christians" rugby team



Roberto Canessa

- 19 years old
- Medicine student



Fernando Parrado

- 21 years old
- Mechanical engineering student



Antonio Vizintin

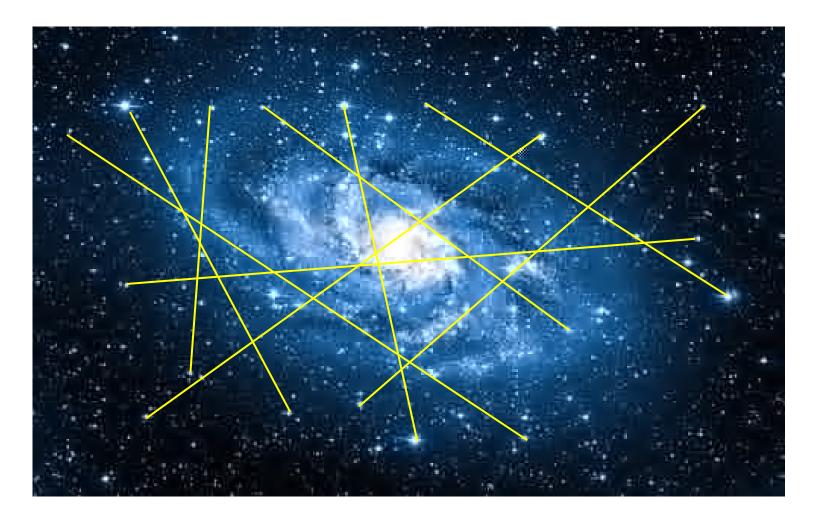
- 19 years old
- Law student

SUGGESTION

→ The trio Canessa, Parrado & Vizintin trek west to seek help

Question: How much of the remaining food should the trio take away?

A final takeaway...



INTEGRATION 融會貫通

Wish you all a great start on your SDS journey.

THANK YOU!