

# Induction Talk on Curriculum Structure and Course Selection for BSc(ActuarSc) Freshmen 2024

**August 19, 2024 (Monday)**



# Agenda

- 1. Understand HKU and your degree**
- 2. Important terminology**
- 3. Course selection**
- 4. Routine study life at HKU**
- 5. Professional examinations (SOA and IFoA)**
- 6. Exchange, internship, CAP**

# University Educational Aims (UEA)

**BSc(ActuarSc) is a professional degree...**

- **UEA 1: Pursuit of academic/professional excellence, critical intellectual inquiry**
- **UEA 2: Tackling novel situations and ill-defined problem** **Actuaries are problem solvers...**
- **UEA 3: Critical self-reflection, greater understanding of others, and upholding personal and professional ethics** **Actuaries have code of conduct...**
- **UEA 4: Intercultural communication, and global citizenship** **Actuary is a global profession...**
- **UEA 5: Communication and collaboration** **Actuaries are team players...**
- **UEA 6: Leadership and advocacy for the improvement of the human condition** **Actuaries are business leaders...**

# First Year Experience

➤ <https://firstyear.hku.hk/>



# Main Campus

## Run Run Shaw Building

-  ATM Centre
-  Filtered Water
-  Baby Care Room
-  Photocopying
-  Bank
-  Posting Box
-  Bookstore
-  Supermarket / Convenience Store
-  CEDARS Office
-  Multi-faith Prayer Room
-  KMB Fare Saver Kiosk

## Run Run Shaw Tower

**(East Gate)**

**(West Gate)**  
**MTR Exit A2**

**MTR Exit C1 (Centennial Campus)**



# HKU has 10 Faculties + 1 Graduate School

(學院)

香港大學 THE UNIVERSITY OF HONG KONG

About Teaching & Learning Research Knowledge Exchange **Faculties & Departments** Libraries Portal More > 中文

## All Departments (A-Z)

Home > Faculties & Departments > All Departments (A-Z)

A B C D E F G H I J K L M N O

**A**

- > Academic Advising Office
- > Academic Liaison Office
- > Academic Services Office
- > Academic Support and Examinations Section
- > Admissions Office
- > Advanced Dentistry, The Institute of
- > Advancement in Inclusive and Special Education, Centre for
- > Advancement of Chinese Language Education and Research, Centre for
- > Ageing, Sau Po Centre on
- > AIDS Institute
- > Anaesthesiology, Department of

All Departments (A-Z)

- 1 Faculty of Architecture 建文
- 2 Faculty of Arts 商
- 3 Faculty of Business and Economics (HKU Business School)
- 4 Faculty of Dentistry 牙
- 5 Faculty of Education 教
- 6 Faculty of Engineering 工
- 7 Faculty of Law 法
- 8 Li Ka Shing Faculty of Medicine 醫
- 9 Faculty of Science 理
- 10 Faculty of Social Sciences 社

Graduate School

Search

X Y Z

**We are under the Science Faculty**

https://hku.hk/faculties/

# Science Faculty has 6 School/Departments

<https://www.scifac.hku.hk/> (can be directed from [hku.hk/science](http://hku.hk/science))

(學系)

The screenshot shows a web browser window with the URL [scifac.hku.hk/about/departments-and-divisions/teaching-departments](https://www.scifac.hku.hk/about/departments-and-divisions/teaching-departments). The page header includes the HKU Science logo and a hamburger menu icon. The main content area displays six departmental cards, each with a representative image, a title, and a 'VIEW DEPARTMENT' or 'VIEW SCHOOL' button with a right-pointing arrow. The bottom-right card, for the Department of Statistics and Actuarial Science, is highlighted with a red border and includes an upward-pointing arrow and the word 'TOP' in a circular button.

Department/School	Image Description	Action
School of Biological Sciences	Underwater scene with a sea turtle and coral reefs.	VIEW SCHOOL →
Department of Chemistry	Abstract image of colorful, glowing molecular structures.	VIEW DEPARTMENT →
Department of Earth Sciences	Glacial landscape with snow-capped mountains and a frozen lake.	VIEW DEPARTMENT →
Department of Mathematics	Abstract geometric diagram with vectors and mathematical formulas like $v = v + v$ , $v = k(kv)$ , and $v = k(k \cdot v) = v - k(kv)$ .	VIEW DEPARTMENT →
Department of Physics	Image of a complex scientific instrument, possibly a particle detector or spectrometer.	VIEW DEPARTMENT →
Department of Statistics and Actuarial Science	Abstract image of a data visualization or code stream.	VIEW DEPARTMENT → TOP

# SAAS Department offers 3 UG programmes

<https://saasweb.hku.hk/>

(can be directed from [hku.hk/statistics](https://hku.hk/statistics))

3 TPG programmes

2 RPG programmes



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



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**Department Office:**  
**3/F, Run Run Shaw Building**

## Programmes & Admissions

### Admissions

#### Undergraduate Programmes:

- Bachelor of Arts and Sciences in Applied Artificial Intelligence (BAsc(AppliedAI))
- Bachelor of Science (Major in Decision Analytics) (BSc)
- Bachelor of Science (Major in Risk Management) (BSc)
- Bachelor of Science (Major in Statistics) (BSc)
- Bachelor of Science in Actuarial Science (BSc(ActuarSc))

**You are studying this professional degree programme**







- ▶ BSc(AppliedAI)
- ▶ BSc (Major in Decision Analytics)
- ▶ BSc (Major in Risk Management)
- ▶ BSc (Major in Statistics)
- ▶ **BSc(ActuarSc)**
- ▶ MDASC
- ▶ MStat
- ▶ Research Postgraduate
- ▶ Student Internship
- ▶ Scholarships
- ▶ Career Advising Programme (CAP)
- ▶ Useful Links
- ▶ Plagiarism
- ▶ Exchange and EL

## Bachelor of Science in Actuarial Science (BSc(ActuarSc))

### > Courses

- Syllabuses & Regulations #

# Inside "Check Course Details" you can type STAT in the "Course Code" box in order to view the list of all STAT courses.

- Actuarial Project / Directed Studies / Capstone Experience Courses
- STAT4767 Actuarial Science Internship



### > For Freshmen and Current Students

- Induction Day presentation
- Notes on Course Selection for Actuarial Science Freshmen
- BSc(ActuarSc) first year timetable

#### Students admitted in 2020 and thereafter

- Suggested BSc(ActuarSc) 4-year Curricular Structure (for students admitted in 2020 and thereafter)
- Structure of Courses for BSc(Actuarial Science) (for students admitted in 2020 and thereafter)

# Your Degree

## ➤ Bachelor of Science in Actuarial Science

- ❖ BSc(Actuarial Science)
- ❖ BSc(ActuarSc)
- ❖ BSc(AC)



## ➤ Department of Statistics and Actuarial Science

## ➤ Faculty of Science (6 Departments/School)

## ➤ The University of Hong Kong (10 Faculties)



# Academic Dates Terminology

➤ **HKU: 1<sup>st</sup> Semester, 2<sup>nd</sup> Semester, Summer Semester**

➤ **Course selection period**

➤ **Suspension period**

➤ **Add/drop period**

➤ **Reading week**

➤ **Revision period**

➤ **Assessment period**

➤ Check the Faculty calendar:

[https://www.scifac.hku.hk/f/upload/7805/Academic\\_Calendar.pdf](https://www.scifac.hku.hk/f/upload/7805/Academic_Calendar.pdf)

➤ **Lectures and Tutorials/Example Classes**

➤ **Important Academic Dates 2024-25**

➤ From Academic Advising & Scholarships Office (AASO):

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

Teaching Weeks 2024-25 for Undergraduate and Taught Postgraduate Students

	SUN	MON	TUE	WED	THUR	FRI	SAT		Week
<b>FIRST SEMESTER: SEP 2 - DEC 23, 2024</b>									
SEP-24	1	2	3	4	5	6	7	First Day of Teaching: Sep 2, 2024	1
	8	9	10	11	12	13	14		2
	15	16	17	18	19	20	21		3
	22	23	24	25	26	27	28		4
	29	30							5
OCT-24			1	2	3	4	5		6
	6	7	8	9	10	11	12	Reading/Field Trip Week: Oct 14 - 19, 2024	7(Revision)
	13	14	15	16	17	18	19		8
	20	21	22	23	24	25	26		9
	27	28	29	30	31				10
NOV-24						1	2		11
	3	4	5	6	7	8	9		12
	10	11	12	13	14	15	16	Last Day of Teaching: Nov 30, 2024	13
	17	18	19	20	21	22	23	Revision Period: Dec 2 - 6, 2024	14(Revision)
	24	25	26	27	28	29	30	Assessment Period: Dec 7 - 23, 2024	1
	31	2	3	4	5	6	7		2
DEC-24	8	9	10	11	12	13	14		3
	15	16	17	18	19	20	21		4
	22	23	(24)	(25)	(26)	27	28		5
	29	30	<31>						6
JAN-25				(1)	2	3	4		7
	5	6	7	8	9	10	11		8
	12	13	14	15	16	17	18		9
	19	20	21	22	23	24	25		10
	26	27	<28>	(29)	(30)	(31)			11
<b>SECOND SEMESTER: JAN 20 - MAY 27, 2025</b>									
								First Day of Teaching: Jan 20, 2025	1
								Class Suspension Period for the Lunar New Year: Jan 29 - Feb 4, 2025	2
FEB-25		1	2	3	4	5	6		3
	7	8	9	10	11	12	13		4
	14	15	16	17	18	19	20		5
	21	22	23	24	25	26	27		6
MAR-25								Reading/Field Trip Week: Mar 10 - 15, 2025	7(Reading)
	1	2	3	4	5	6	7		8
	8	9	10	11	12	13	14		9
	15	16	17	18	19	20	21		10
	22	23	24	25	26	27	28		11
APR-25			1	2	3	4	5		12
	6	7	8	9	10	11	12		13
	13	14	15	16	17	18	19		14
	20	21	22	23	24	25	26		15(Revision)
	27	28	29	30	31				1
MAY-25								Last Day of Teaching: May 3, 2025	2
	1	2	3	4	5	6	7	Revision Period: May 5 - 10, 2025	3
	8	9	10	11	12	13	14	Assessment Period: May 12 - 27, 2025	4
	15	16	17	18	19	20	21		5
	22	23	24	25	26	27	28		6
	29	30							7
	31								8
<b>OPTIONAL SUMMER SEMESTER JUN 30 - AUG 23, 2025</b>									
JUL-25									1
	1	2	3	4	5	6	7		2
	8	9	10	11	12	13	14		3
	15	16	17	18	19	20	21		4
	22	23	24	25	26	27	28		5
	29	30							6
AUG-25									7
	1	2	3	4	5	6	7		8
	8	9	10	11	12	13	14		
	15	16	17	18	19	20	21		
	22	23	24	25	26	27	28		
	29	30							

Online Course Selection for Year 1 students #	August 20, 2024 (Tue) (10:00 am) – August 26, 2024 (Mon) (4:00 pm) <a href="#">semester 1/full-year courses starting from 10:00 am on August 20, 2024; semester 2 courses starting from 10:10 am on August 20, 2024.</a>
Suspension Period	August 21, 2024 (Wed) (12:00 noon) – August 22, 2024 (Thur) (2:29 pm)
Year 1 students # to check their course selection status online; Students can make further changes to their course selection	August 22, 2024 (Thur) (2:30 pm) – August 26, 2024 (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 26, 2024 (Mon) (4:00 pm)
First Day of Teaching	September 2, 2024 (Mon)
Add/Drop Period for <u>All</u> Students	September 2, 2024 (Mon) (10:00 am) – September 16, 2024 (Mon) (4:00 pm) (a) year 1 students # starting from 10:00 am on September 2, 2024 (for both semesters); (b) year 2 students starting from 12:00 noon on September 2, 2024 (for both semesters); (c) year 3 students (including new Direct Admission into Senior Year students) starting from 2:00 pm on September 2, 2024 (for both semesters); and (d) year 4 (or above) students starting from 4:00 pm on September 2, 2024 (for both semesters).
Suspension Period	September 3, 2024 (Tue) (12:00 noon to 4:59 pm)
All Students to check their course selection status online	September 3, 2024 (Tue) (5:00 pm) – September 16, 2024 (Mon) (4:00 pm)
End of Add/Drop Period	After September 16, 2024 (Mon) (4:00 pm)
Reading/Field Trip *	October 14, 2024 (Mon) – October 19, 2024 (Sat)
Last Day of Teaching *	November 30, 2024 (Sat)
Revision Period *	December 2, 2024 (Mon) – December 6, 2024 (Fri)
Assessment Period *	December 7, 2024 (Sat) – December 23, 2024 (Mon)

# 2024-2025 First Semester

[https://www.scifac.hku.hk/f/upload/7805/Academic\\_Calendar.pdf](https://www.scifac.hku.hk/f/upload/7805/Academic_Calendar.pdf)

*Teaching Weeks 2024-25 for Undergraduate and Taught Postgraduate Students*

	SUN	MON	TUE	WED	THUR	FRI	SAT
SEP-24	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	[18]	19	20	21
	22	23	24	25	26	27	28
	29	30					
OCT-24			[1]	2	3	4	5
	6	7	8	9	10	[11]	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31		
NOV-24						1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
DEC-24	24	25	26	27	28	29	30
	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	(24)	[25]	[26]	27	28
	29	30	<31>				

**Teaching period**  
**FIRST SEMESTER: SEP 2 - DEC 23, 2024**

First Day of Teaching: Sep 2, 2024

Tutorial classes usually start from the 2<sup>nd</sup> week of teaching (Follow instructions of individual courses)

Reading/Field Trip Week: Oct 14 - 19, 2024

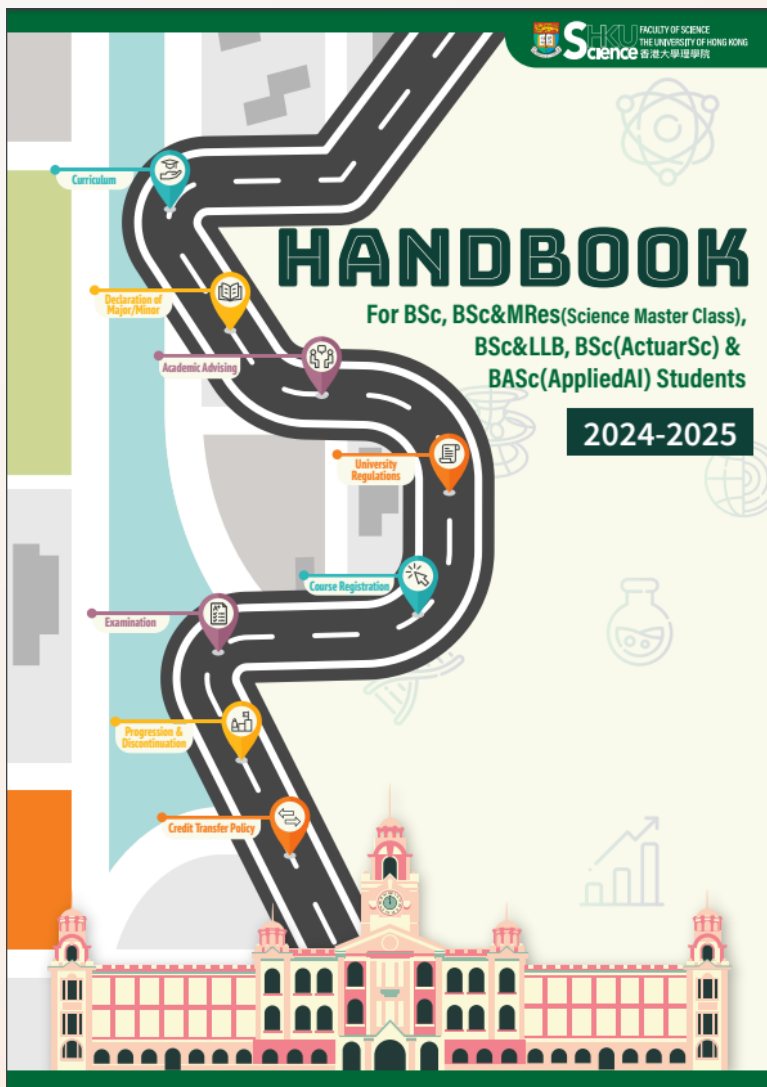
Last Day of Teaching: Nov 30, 2024

Revision Period: Dec 2 - 6, 2024

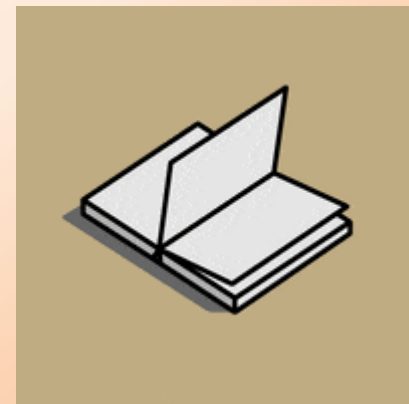
Assessment Period: Dec 7 - 23, 2024

# Student Handbook 2024

➤ <https://www.scifac.hku.hk/current/ug/useful-resources/handbooks>




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



# Syllabus

← → ↻ 🏠 [scifac.hku.hk](https://scifac.hku.hk)

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 **SHKU** FACULTY OF SCIENCE  
THE UNIVERSITY OF HONG KONG  
香港大學理學院

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## Undergraduate Programmes

- About the programmes
- 2** • [Academic Matters](#)
- 3** • [Syllabuses \(Majors, Minors & Courses\)](#)
- Academic Advising
- Induction Information for Freshmen
- Major / Minor Declaration, Course Registration & Capstone Requirement

## ENQUIRY FOR SCIENCE MAJOR/MINOR/PROGRAMME REQUIREMENTS

**5**


Admission Year \*

Major/Minor/Programme

**6**

← → ↻ 🏠 [scifac.hku.hk/current/ug/academic/syllabuses](https://scifac.hku.hk/current/ug/academic/syllabuses)

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 FACULTY OF SCIENCE  
THE UNIVERSITY OF HONG KONG  
香港大學理學院

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## SYLLABUSES (MAJORS, MINORS & COURSES)

This online undergraduate syllabuses and regulations system provides you with the most updated information on the full list of courses, their description, and details on the Science majors and minors.  
Departmental websites may also provide details on majors, minors and courses offered by the Schools/Departments.

- 4** [Check Science Major / Minor / Programme Structure](#)
- [Check Course Details](#)
- [Check Capstone Requirements for Each Major / Programme](#)
- [Past Syllabuses and Regulations](#)

# Syllabus

**“Disciplinary Core Course”**  
means compulsory

**“Disciplinary Elective”**  
means you have a choice

Level 1 or 2  
courses

Level 3 or above  
courses

focuses on integration and  
application of knowledge and skills  
gained in the early years of study

Enquiry for Science Major/Minor/Programme Requirements												
No.	Title	Admission Year (Year 1)	Department	Introductory Level Courses		Advanced Level Courses				Capstone Courses		Mapping of Courses to Programme Learning Outcomes(PLO)
				<b>Disciplinary Core Course</b>	<b>Disciplinary Elective</b>	<b>Disciplinary Core Course</b>	<b>Disciplinary Elective</b>			<b>Disciplinary Core Course</b>	<b>Disciplinary Elective</b>	
1	<a href="#">BSc in Actuarial Science</a>	2024	Statistics & Actuarial Science	ACCT1101 COMP1117 ECON1210 ECON1220 MATH1821 MATH2822 STAT2901 STAT2902		STAT3901 STAT3902 STAT3903 STAT3904 STAT3905 STAT3906 STAT3907 STAT3908 STAT3909 STAT3910 STAT4904	STAT3911 STAT3954 STAT4902	STAT3951 STAT3956 STAT4903	STAT3953 STAT4901	STAT4711 STAT4767 STAT4798		PLO Mapping

**The programme offering department**

**Click the programme name to view the overall curriculum structure**

**Click the course code to check individual course syllabus**



# Syllabus

<https://webapp.science.hku.hk/sr4/servlet/enquiry?Type=Programme&Code=BSclnActuarialScience&AdmissionYear=2024>

Programme Title	BSc in Actuarial Science
Offered to students admitted to Year 1 in	2024-2025

## Objectives:

The Actuarial Science curriculum aims at providing formal academic and professional training to students who wish to join the actuarial profession. Although actuarial science is a separate discipline with its own area of knowledge, modern actuarial training requires multidisciplinary knowledge such as probability, statistics, economics, investment, finance, law, taxation, and accounting. The Actuarial Science curriculum reflects this by incorporating various interdisciplinary courses into the basic actuarial training. The programme is set up to equip students with solid background in actuarial science, to develop their confidence and analytical skills to define and tackle problems in actuarial science and other related fields. Specifically, the programme is designed to provide adequate knowledge for students to sit for the early professional examinations organized by international actuarial organizations so that they can successfully join the actuarial profession after graduation. In addition, the programme provides enough academic training for students who wish to pursue postgraduate studies in actuarial science or other related areas.

## Learning Outcomes:

By the end of this programme, students should be able to:

- PLO 1 : understand and apply various analytic and quantitative methods to define and solve problems in insurance, finance, economics, investment, pension, financial risk management and demography (by means of coursework and tutorial classes and/or research-based project in the curriculum)
- PLO 2 : understand and identify the nature of insurance, finance and investment risks (by means of coursework and tutorial classes and/or research-based project in the curriculum)
- PLO 3 : develop analytical skills to evaluate and measure various kinds of risk, and appraise the related moral and ethical issues (by means of coursework and tutorial classes and/or research-based project in the curriculum)
- PLO 4 : formulate effective business strategies to manage various kinds of risk (by means of coursework and tutorial classes and/or research-based project in the curriculum)
- PLO 5 : communicate and collaborate with people effectively on issues related to actuarial science (by means of coursework and tutorial classes and/or research-based project in the curriculum)
- PLO 6 : discuss current actuarial issues and acquire and apply practical knowledge in some specially designed courses (by means of coursework and tutorial classes and/or research-based project in the curriculum)

## Impermissible Combination:

Minor in Actuarial Studies

AS:  
132 credits

Language:  
18 credits

Common  
core:  
36 credits

Credits  
remained:

240  
- 132  

---

108  
- 18  

---

90  
- 36  

---

54  
for free  
electives

### Required courses (132 credits)

#### 1. Year I Courses

##### Disciplinary Core Courses (42 credits)

ACCT1101	Introduction to financial accounting (6)
ECON1210	Introductory microeconomics (6)
ECON1220	Introductory macroeconomics (6)
MATH1821	Mathematical methods for actuarial science I (6)
MATH2822	Mathematical methods for actuarial science II (6)
STAT2901	Probability and statistics: foundations of actuarial science (6)
STAT2902	Financial mathematics (6)

#### 2. Year II Courses

##### Disciplinary Core Courses (42 credits)

COMP1117	Computer programming (6)
STAT3901	Life contingencies I (6)
STAT3902	Statistical models (6)
STAT3903	Stochastic models (6)
STAT3904	Corporate finance for actuarial science (6)
STAT3905	Introduction to financial derivatives (6)
STAT3907	Linear models and forecasting (6)

#### 3. Year III Courses

##### Disciplinary Core Courses (30 credits)

STAT3906	Risk theory I (6)
STAT3908	Credibility theory and loss distributions (6)
STAT3909	Life contingencies II (6)
STAT3910	Financial economics I (6)
STAT4904	Statistical learning for risk modelling (6)

#### 4. Year IV Courses

##### Disciplinary Electives (12 credits)

At least 12 credits selected from the following courses:

STAT3911	Financial economics II (6)
STAT3951	Topics on advanced actuarial modelling (6)
STAT3953	Fundamentals of actuarial practice (6)
STAT3954	Current topics in actuarial science (6)
STAT3956	Life contingencies III (6)
STAT4901	Risk theory II (6)
STAT4902	Selected topics in actuarial science (6)
STAT4903	Actuarial techniques for general insurance (6)

#### 5. Capstone Requirement (6 credits)

At least 6 credits selected from the following courses:

STAT4711	Capstone experience for actuarial science undergraduates (6)
STAT4767	Actuarial science internship (6)
STAT4798	Statistics and actuarial science project (6)

(6) means 6 credits (學分)

### Student Handbook (P.45):

To complete the BSc(ActuarSc) curriculum, you are required to pass at least 240 credits of courses normally spread over four years of full-time study. You should take 60 credits of courses in each year.

### Study 8 semesters

- Including exchange
- Excluding internship (leave)

1 semester: 30 credits (5 courses)

1 year: 60 credits (10 courses)

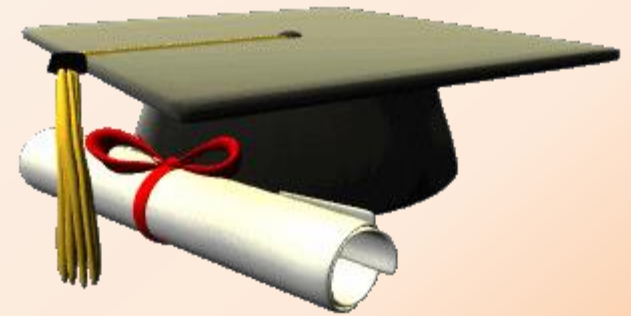
Need special approval if you want to take  
> 36 credits, or  
< 24 credits in one semester  
(Not allowed for Year 1 students)

Total no. of credits cannot exceed 288  
Overall study period cannot exceed 6 years  
(except for mandatory military service)

**BSc(ActuarSc)  
Programme Requirements**

# Other Graduation Requirements

- Other than taking Disciplinary Core and Elective courses
- 3 Language Courses
  - ❖ CAES1000 (Year 1)
  - ❖ CAES9821 (Year 2)
  - ❖ CSCI9001 (Year 3)
- 6 Common Core (CC) Courses
- 1 Capstone Course
  - ❖ STAT4711 [Group Project]
  - ❖ STAT4767 [Internship]
  - ❖ STAT4798 [Individual Project]



# Common Core (CC) Courses

➤ <https://commoncore.hku.hk/>

➤ 4 Areas of Inquiry (Aols):

- ❖ Science, Technology and Big Data
- ❖ Arts and Humanities
- ❖ Global Issues
- ❖ China: Culture, State and Society.



Science, Technology  
and Big Data



Arts and Humanities



Global Issues



China: Culture,  
State and Society

➤ 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](https://sweb.hku.hk/ccacad/ccc_appl/enrol_stat.html)

# Flow Chart of Disciplinary Courses for BSc(ActuarSc) (admitted in 2020 and thereafter)

S1 = Offered in 1st Semester

S2 = Offered in 2nd Semester

NO = Not offered currently

### VEE Courses

<sup>a</sup> VEE Economics

<sup>b</sup> VEE Accounting and Finance

<sup>c</sup> VEE Mathematical Statistics



Pre-requisite (passed the course) or suggested sequence



Co-requisite (passed or already enrolled in the course)

### Color Scheme

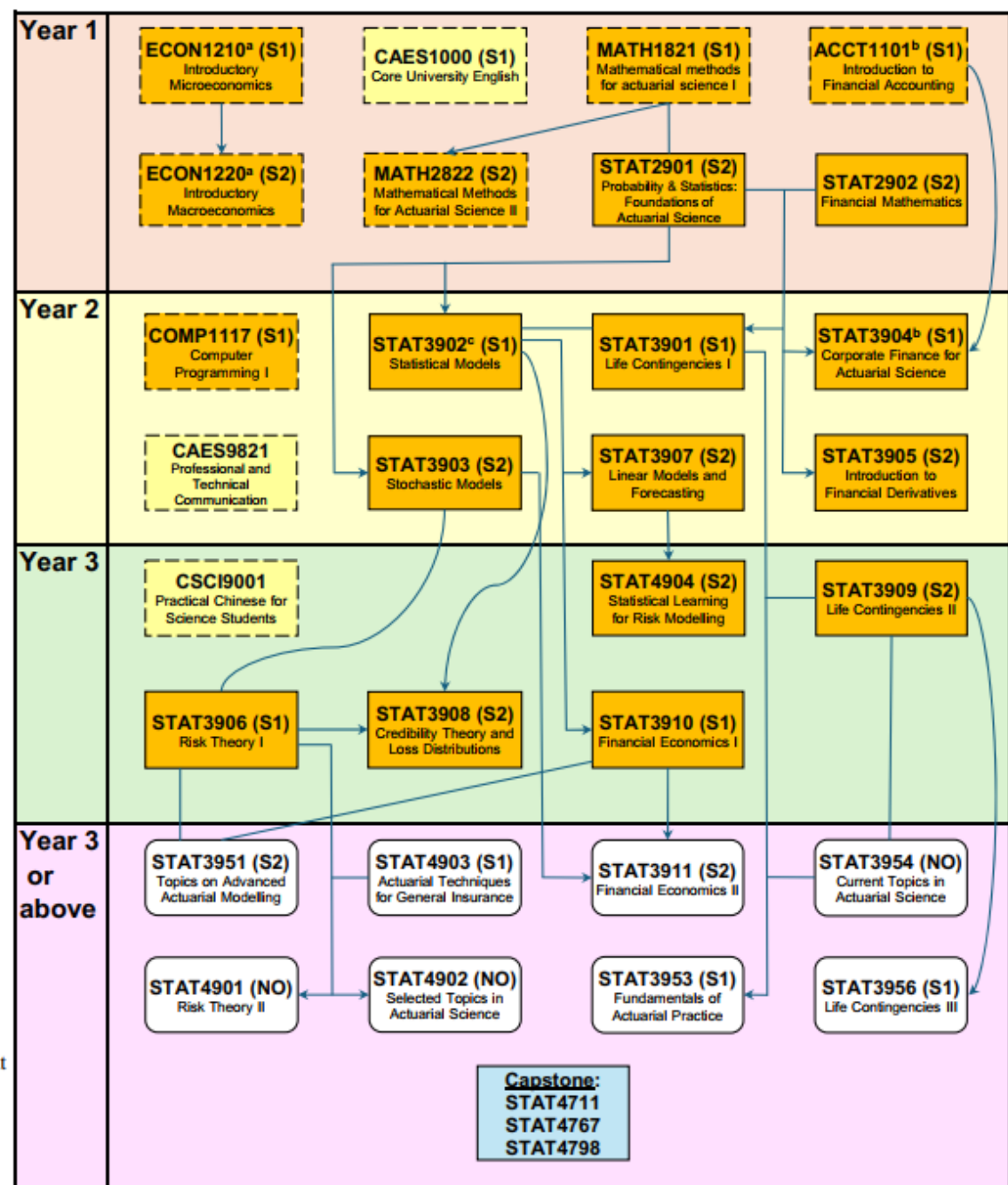
<b>Pink</b>	Year 1
<b>Yellow</b>	Year 2
<b>Green</b>	Year 3
<b>Purple</b>	Year 3 or above

### Border Scheme

<b>Solid</b>	Offered by SAAS
<b>Dashed</b>	Other Departments

### Shape Scheme

<b>Rectangle</b>	Core
<b>Rounded</b>	Elective
<b>Rectangle</b>	Capstone requirement
<b>Rectangle</b>	Language courses



# Curricular Structure

**Suggested BSc(ActuarSc) 4-year Curricular Structure<sup>1</sup>**  
(for students admitted in 2020 and thereafter)

Year	One		Two		Three		Four	
Semester	One	Two	One	Two	One	Two	One	Two
<b>Disciplinary Core</b>	<b>ECON1210</b> Introductory Microeconomics  <b>MATH1821</b> Mathematical Methods for Actuarial Science I  <b>ACCT1101</b> Introduction to Financial Accounting	<b>ECON1220</b> Introductory Macroeconomics  <b>MATH2822</b> Mathematical Methods for Actuarial Science II  <b>STAT2901</b> Probability and Statistics: Foundations of Actuarial Science  <b>STAT2902</b> Financial Mathematics	<b>COMP1117</b> Computer Programming  <b>STAT3901</b> Life Contingencies I  <b>STAT3902</b> Statistical Models  <b>STAT3904</b> Corporate Finance for Actuarial Science	<b>STAT3903</b> Stochastic Models  <b>STAT3905</b> Introduction to Financial Derivatives  <b>STAT3907</b> Linear Models and Forecasting	<b>STAT3906</b> Risk Theory I  <b>STAT3910</b> Financial Economics I	<b>STAT3908</b> Credibility Theory and Loss Distributions  <b>STAT3909</b> Life Contingencies II  <b>STAT4904</b> Statistical Learning for Risk Modelling	Capstone <sup>5</sup>	
<b>Disciplinary Elective<sup>2</sup></b>							12 credits of disciplinary electives <sup>5</sup>	
<b>Free Elective<sup>2</sup></b>					12 credits of free electives		42 credits of free electives	
<b>Common Core</b>	Common core	Common core	Common core	Common core	Common core	Common core		
<b>Language</b>	<b>CAES1000<sup>4</sup></b> Core University English			<b>CAES9821<sup>5</sup></b> Professional and Technical Communication for Statistical Sciences		<b>CSC19001<sup>3,4</sup></b> Practical Chinese for Science Students		
<b>Credits</b>	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.
- CAES9821 was previously called Professional and Technical Communication for Mathematical Sciences in 2023-24 and before.
- Lists of Disciplinary Electives (at least 12 credits) and Capstone courses:

Disciplinary Electives

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

# Disciplinary Courses

- All-round actuarial training – economics and quantitative finance, statistics and data-analytical skills, actuarial mathematics

Area of Study	Mathematics / Computer Science	Economics	Quantitative Finance	Statistics / Probability	Data Analytics	Life Insurance	Non-life Insurance
Year 1	MATH1821 MATH2822	ECON1210 ECON1220 ACCT1101	STAT2902	STAT2901			
Year 2	COMP1117		STAT3904 STAT3905	STAT3902 STAT3903	STAT3907	STAT3901	
Year 3/4			STAT3910		STAT4904	STAT3909	STAT3906 STAT3908
Year 3/4 (disciplinary elective, choose 2)			STAT3951 STAT3911			STAT3956	STAT3953 STAT3954 STAT4901 STAT4902 STAT4903

# BSc(ActuarSc) First Year Timetable

<https://www.scifac.hku.hk/current/ug/useful-resources/calendar-and-timetables>

➤ For Year 1 Semester 1, you should take

❖ MATH1821 Mathematical methods for actuarial science I

- Only **one subclass** (only for BSc(ActuarSc) students)

❖ ECON1210 Introductory microeconomics

- **Several subclasses** reserved for BSc(ActuarSc) to register on a first-come-first-served basis (for a few days), and later the remaining seats will be released to other students.

❖ ACCT1101 Introduction to financial accounting

- **Several subclasses** reserved for BSc(ActuarSc) to register on a first-come-first-served basis (for a few days), and later the remaining seats will be released to other students.



# BSc(ActuarSc) First Year Timetable

<https://www.scifac.hku.hk/current/ug/useful-resources/calendar-and-timetables>

THE UNIVERSITY OF HONG KONG  
DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE  
**Suggested BSc(ActuarSc) First Year Timetable**

1st semester of 2024-25

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 – 9:20 am						Common Core
9:30 – 10:20 am	ACCT1101-M		ECON1210-D			
10:30 – 11:20 am	ACCT1101-M	MATH1821	ECON1210-D	MATH1821		
11:30 – 12:20 pm	ACCT1101-M	MATH1821	ECON1210-D	MATH1821		
12:30 – 1:20 pm	ACCT1101-A	ACCT1101-I	Common Core	ACCT1101-A	ACCT1101-I	
1:30 – 2:20 pm	ACCT1101-A	ECON1210-C		ECON1210-B	ACCT1101-I	
2:30 – 3:20 pm	ACCT1101-L ECON1210-B	ECON1210-C		ECON1210-B	ACCT1101-K ECON1210-F	
3:30 – 4:20 pm	ACCT1101-L	ECON1210-C			ACCT1101-K ECON1210-F	
4:30 – 5:20 pm	ACCT1101-L				ACCT1101-K ECON1210-F	
5:30 – 6:20 pm						

Other course to be taken: (too many subclasses to list) CAES1000:

There are about 33 subclasses in first semester.

Remarks:

ACCT1101: A no. of places are reserved in subclasses A, I, K, L and M for BSc(ActuarSc) students. See the timeslots above.

ECON1210: A no. of places are reserved in subclasses B, C, D and F for BSc(ActuarSc) students. See the timeslots above.

# Course Selection in SIS

➤ [https://intraweb.hku.hk/reserved\\_1/sis\\_student/sis/SIS-reference-materials.html](https://intraweb.hku.hk/reserved_1/sis_student/sis/SIS-reference-materials.html)

**THE UNIVERSITY OF HONG KONG**  
香港大學

### How to select a course in SIS

1. Login to HKU Portal. You will be directed to the SIS Main Menu. Go to **Enrollment > Enrollment Add Classes**. Select the appropriate term and click **CONTINUE**.
2. To view your program guide, click the **Search** button under "My Requirements".
3. You can view the detail requirement of your programme/major/minor(s) by choosing "Show Requirement Details" at the top of your program guide.
4. Your program guide will list out all the courses you can take in the selected semester.
5. To add a class, click the blue link in the "Description" column of the course. You can then view the course detail and the number of class sections available.
6. You will then go to the information page of this class. Click **NEXT** to continue.
7. A message will be displayed to confirm that you have added the class to your "Temporary Course List". At this point, you can choose to add other classes by repeating steps 2 to 7 of this leaflet or click **PROCEED TO STEP 2 OF 3** button to confirm the enrollment.

To add this course, click the **select** button of the appropriate subclass.

**Quick\_Guide\_on\_Course\_Selection\_and\_Enrollment.pdf - Adobe Acrobat Pro**

File Edit View Window Help

Create [Icons]

1 / 3 [Navigation] 76.6% [Zoom] [Tools] [Comment] [Share]

**Bachelor of Social Sciences**

**BSoSci UD 1 Requirements**

English Language Courses Requirement

The following courses may be used to satisfy this requirement:

Course	Description	When	Status
CAES1000	(4) Core University English	2019-20 Sem 1	Full

Chinese Language Courses Requirement

The following courses may be used to satisfy this requirement:

Course	Description	When	Status
CUN29003	(4) Certificate for Non-Cantonese	2019-20 Sem 1	Full

Common Core Courses Requirement

The following courses may be used to satisfy this requirement:

Course	Description	When	Status
CCCH9002	Chinese Class in the 21st Cen	2019-20 Sem 2	Full
CCCH9003	Science and Technology Lesson	First Semester	Full
CCCH9042	The Evolution of Civilization	Both Semester (1 or 2)	Full
CCCH9006	Visual Images, Real Bodies	Second Semester	Full
CCCH9008	Nature in the City: Beyond the	Summer	Full
CCS79027	Mathematics: A Cultural History	2019-20 Sem 1	Full
CCS79054	War, Peace, and the Natural Wo	Second or Summer	Full

**Course Detail**

Undergraduate Course

Units: 6.00

Grading Basis: Credit (A-F)

Course Components: -- Required

Course URL: <http://enrollment.hku.hk/bsoc0902>

Campus: HKU Campus

Academic Group: The University of Hong Kong

Academic Organisation: University Central

**Enrollment Information**

Typically Offered: First Semester

**Enrollment Requirements**

Students under 3-yr curriculum should complete 2 CC courses from different AOs. Students under under 4-yr curriculum should complete 6 CC courses, with at least one and not more than two courses from each category with not more than 24 credits in one year.

**Approval Notes:** Course-based approval

**Course Attributes**

Sustaining Course: Culture, and the Earth

Core: C, S, U

First Offered: N/A

4-year cohort: All levels

First Course Code: Yes

Appears On Transcript: Yes

**Description**

In spite of the vast and superior knowledge possessed by the ancient Chinese

**Class Preferences**

GEOG 1007-0A [Open] Permission No. [ ]

Session: Regular Academic Session

Section: [ ]

Enrollment Information

- Approval Status: Approval not required
- Registration: Concurrent
- F2F: Yes
- Face-to-Face: No
- Course Level: Undergraduate
- First Course Code: Yes
- Appears On Transcript: Yes

Buttons: Cancel, Next

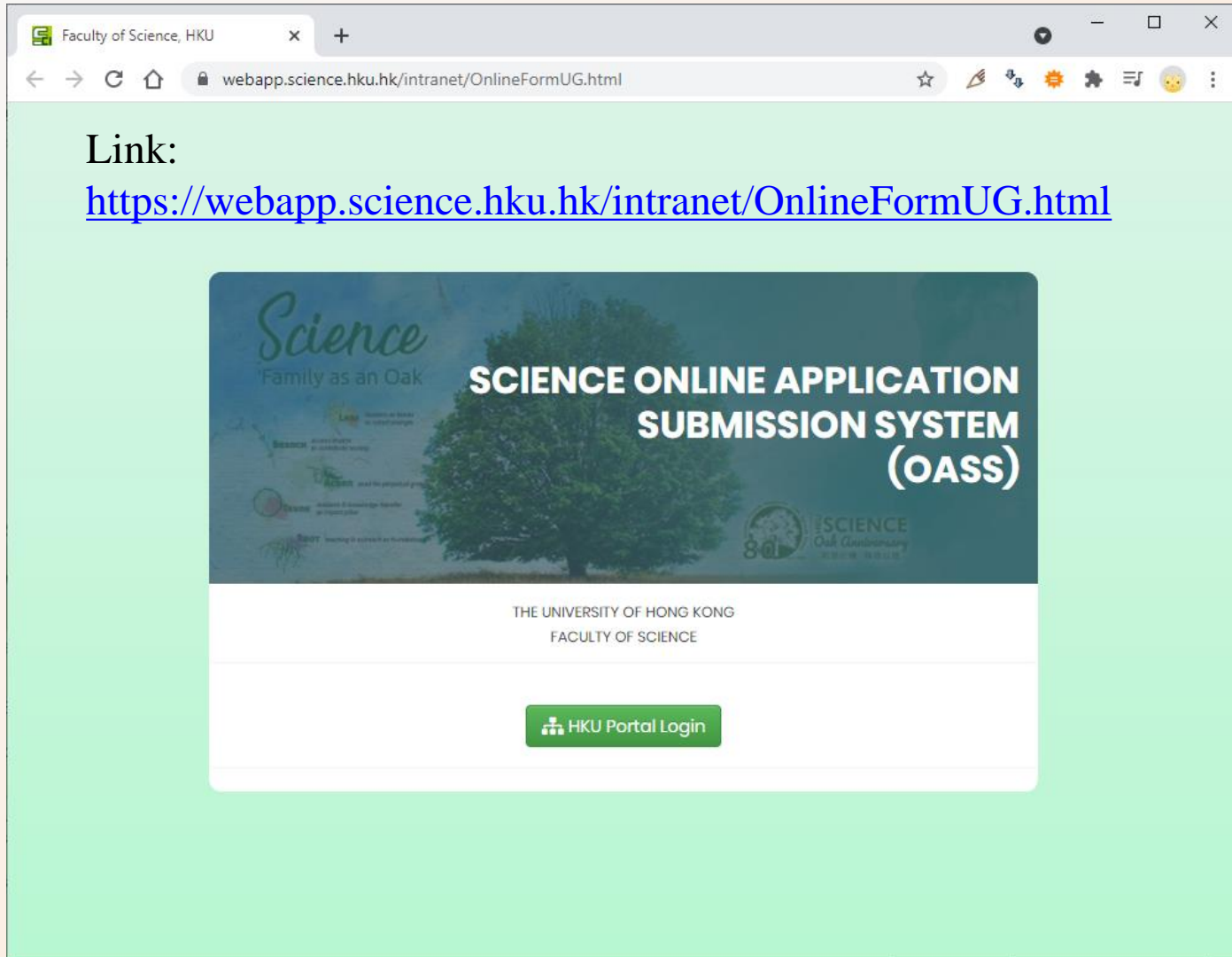
Note: If you have selected a specific class indicating "F2F lecture in alternate weeks: Yes" under the "Enrollment Information", special split-class arrangement will be adopted for the sub-class concerned. You will be assigned to Group A or B according to the last digit of your student university number and attend face-to-face lectures in alternate weeks. For details, please refer to the "SIS Quick Guide (Student) on Split-Class Arrangement for UG Lectures" (available on the HKU Portal > "SIS Reference Materials" link).

7. A message will be displayed to confirm that you have added the class to your "Temporary Course List". At this point, you can choose to add other classes by repeating steps 2 to 7 of this leaflet or click **PROCEED TO STEP 2 OF 3** button to confirm the enrollment.

✓ CCCH 9020 has been added to your Temporary Course List.

Proceed to Step 2 of 3

# Science Online Application Submission System (OASS)



Faculty of Science, HKU

webapp.science.hku.hk/intranet/OnlineFormUG.html

Link:  
<https://webapp.science.hku.hk/intranet/OnlineFormUG.html>

Science  
Family as an Oak

SCIENCE ONLINE APPLICATION  
SUBMISSION SYSTEM  
(OASS)

THE UNIVERSITY OF HONG KONG  
FACULTY OF SCIENCE

HKU Portal Login

# Science Online Application Submission System (OASS)

THE UNIVERSITY OF HONG KONG  
FACULTY OF SCIENCE

## Science Online Application Submission System (OASS)

UG

 watkp

Logout 

- [SF401 - Summer Research Fellowship \(SRF\) and Overseas Research Fellowship \(ORF\) Schemes](#)
- [SF402 - Student Peer Adviser Scheme \(SPAS\)](#)
- [SF404 - Exemption from Taking Chinese Language Course](#)
- [SF405 - Granting of Advanced Standing / Transferred Credits](#)
- [SF406 - Exemption from Taking a Capstone Course in the Second \(Science\) Major](#)
- [SF408 - Taking Course Load Deviating from Normal Load](#)  
[Application period (For Year 2 & above students) : August 1, 2024 (10:00 am) - August 12, 2024 (04:00 pm)]
- [SF412 - Early Graduation](#)
- [SF413 - Taking a Replacement Course](#)
- [SF414 - Checking of Assessment Result](#)
- [SF415 - Course Approval Form](#)  
[Deadline (For Year 2 or above): By August 12, 2024 (4:00 pm)]
- [SF416 - Leave of Absence](#)
- [SF417 - Intended Major for BSc / BSc&MRes \(Science Master Class\) / BSc&LLB Freshmen](#)  
[for BSc, BSc&MRes and BSc&LLB Year 1 students only]

\* All the forms can be accessed by students only.

2024/08/14 04:01

# Special Approval

## ➤ Prerequisite not met

## ➤ Time clash

- ❖ Not approved unless under very special circumstances
- ❖ Must first seek advice from the concerned course teachers

## ➤ Taking course load deviating from normal load

( $> 36$  or  $< 24$  credits in 1 semester, or  $> 72$  credits in 1 year)

- ❖ Not suggested for first year students



### Step 1:

- Seek advice from course teachers and/or course selection advisers (CSA)

### Step 2:

- Submit request to OASS with supporting document (e.g. your timetable)

### Step 3:

- Wait for approval/rejection and check the course enrollment status

# Regulations on Discontinuation

## Progression and Discontinuation

The Faculty stresses the importance of the academic performance of students. Students who do not perform satisfactorily may be recommended for discontinuation of their studies.

## BSc(ActuarSc)

- AS5(g) Candidates shall be recommended for discontinuation of their studies if they have:
  - (i) 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
  - (ii) failed to achieve an average Semester GPA of 1.0 or higher for two consecutive semesters (not including the summer semester), or
  - (iii) exceeded the maximum period of registration specified in AS3, unless otherwise permitted by the Board of the Faculty.

# Actuarial Teachers

➤ Dr. David Lee, ASA

- ❖ Programme Director, Chief CSA
- ❖ RRS120
- ❖ [leedav@hku.hk](mailto:leedav@hku.hk)



➤ Prof. K.C. Cheung, ASA

- ❖ CSA
- ❖ RRS219
- ❖ [kccg@hku.hk](mailto:kccg@hku.hk)



➤ Prof. Wenyuan Li

- ❖ CSA
- ❖ RRS232
- ❖ [wylsaas@hku.hk](mailto:wylsaas@hku.hk)



# Actuarial Teachers

➤ Prof. Tim J. Boonen

- ❖ *Credit Transfer Coordinator*
- ❖ RRS225
- ❖ [tjboonen@hku.hk](mailto:tjboonen@hku.hk)



➤ Dr. K.P. Wat, FSA

- ❖ *Admission*
- ❖ RRS235
- ❖ [watkp@hku.hk](mailto:watkp@hku.hk)



➤ Prof. Marius Hofert

- ❖ RRS228
- ❖ [mhofert@hku.hk](mailto:mhofert@hku.hk)





# 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

## BSc(ActuarSc)

You may optionally take a major or minor(s) offered by any Faculty, provided that you fully satisfy the course requirements.

As students are not required to declare any major (or minor) in the first year, you can try out courses that suit your academic interests before you commit to a particular major/minor. You have to declare your intended major or minor(s) online during the course selection period in August before the start of your third year of study, the latest. However, even if you have declared your major/minor, you can still change it as long as the online course selection system is opened in the 1st semester of your last academic year for graduation. You should take ultimate responsibility to ensure that you have enough time to fulfil the curriculum requirements of a particular major/minor, as well as the pre-requisite and co-requisites of selected courses are fulfilled when you consider changing your major/minor.

If you fail to fulfill the declared major or minor(s) upon graduation, such major or minor(s) will be deleted automatically from record.

Some non-Science faculties may set a minimum requirement for their majors and minors offered. You should check with the relevant Faculty for the detailed requirements.

# Popular Majors and Minors

## ➤ Second Majors:

- ❖ Finance
- ❖ Computer Science
- ❖ Economics
- ❖ Sociology

## ➤ Minors:

- ❖ Accounting
- ❖ Computer Science
- ❖ Economics
- ❖ Finance
- ❖ Hong Kong Studies
- ❖ Mathematics
- ❖ Physics
- ❖ Spanish
- ❖ Sustaining Cities, Cultures, and the Earth

# Reminder in Course Selection

- You **MUST** follow the BSc(ActuarSc) curriculum to take ALL the disciplinary core courses!
- For example, if you wish to do a minor in finance, you will encounter some issues:

*Problems for  
BSc(ActuarSc)  
students*

## Minor in Finance (36 credits)

<u>Course code</u>	<u>Course title</u>	<u>Credits</u>
ACCT1101#	Introduction to financial accounting	6
ECON1210#	Introductory microeconomics	6
FINA1310#	Corporate finance	6
XXXXxxxx#	One of the following prescribed statistics courses:	6
	ECON1280 Analysis of economic data <i>or</i>	
	STAT1602 Business statistics <i>or</i>	
	STAT1603 Introductory statistics	
ECON1220	Introductory macroeconomics	6
FINA2320	Investments and portfolio analysis	6



*Do you know why?*

# Reminder in Course Selection

- ACCT1101 and ECON1210 should be taken by BSc(ActuarSc) to fulfill the degree requirement, the courses may not be double counted to fulfill other major/minor requirements.
- FINA1310 is not in the BSc(ActuarSc), so what is the problem?

*Problems for  
BSc(ActuarSc)  
students*

## Minor in Finance (36 credits)

<u>Course code</u>	<u>Course title</u>	<u>Credits</u>
ACCT1101 <sup>#</sup>	Introduction to financial accounting	6
ECON1210 <sup>#</sup>	Introductory microeconomics	6
FINA1310 <sup>#</sup>	Corporate finance	6
XXXXXXX <sup>#</sup>	One of the following prescribed statistics courses:	6
	ECON1280 Analysis of economic data <i>or</i>	
	STAT1602 Business statistics <i>or</i>	
	STAT1603 Introductory statistics	
ECON1220	Introductory macroeconomics	6
FINA2320	Investments and portfolio analysis	6



*Do you know why?*

THE UNIVERSITY OF HONG KONG  
FACULTY OF BUSINESS AND ECONOMICS  
FINA1310 – Corporate Finance

**GENERAL INFORMATION**

**FINA1310ABC**

Instructor: [REDACTED]  
Email: [REDACTED]  
Office: [REDACTED]  
Phone: [REDACTED]  
Semester: 1  
...

**FINA1310KL**

Instructor: [REDACTED]  
Email: [REDACTED]  
Office: [REDACTED]  
Phone: [REDACTED]  
Semester: 2

Consultation times: TBA

Tutor: TBA

**Pre-requisites:** ACCT1101 Introduction to financial accounting

**Co-requisites:** None

**Mutually exclusive:** STAT3904 Corporate finance for actuarial science

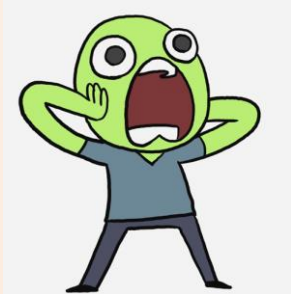
**Course Website:** Your Moodle Account

Other information: refer to supplementary information provided by individual instructor later

**COURSE DESCRIPTION**

This is an introductory finance course that develops the basic concepts and tools applicable to corporate financial decisions. Two main tasks of financial managers are studied: project evaluation and financing decisions. Specific topics include present value calculation, valuation of stocks and bonds, investment criteria and capital budgeting, risk and return, cost of capital, and capital structure. Corporate ethics is also incorporated in the discussions.

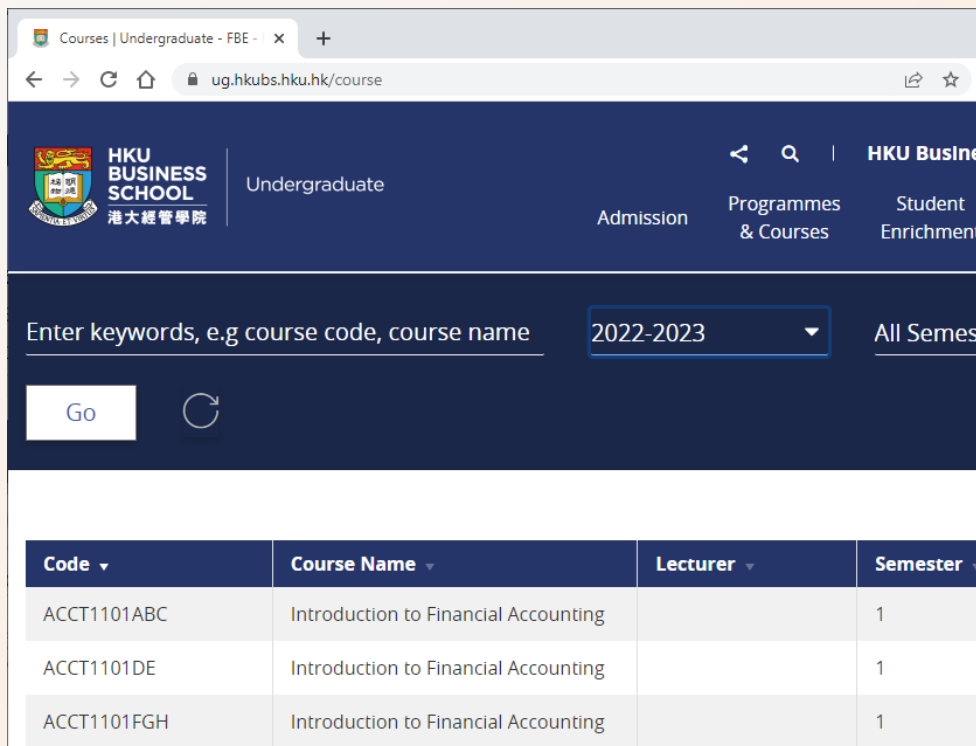
*Passing in FINA1310  
will disallow you to  
enroll in STAT3904  
(a core course), so you  
will fail to complete  
your BSc(ActuarSc)  
degree*



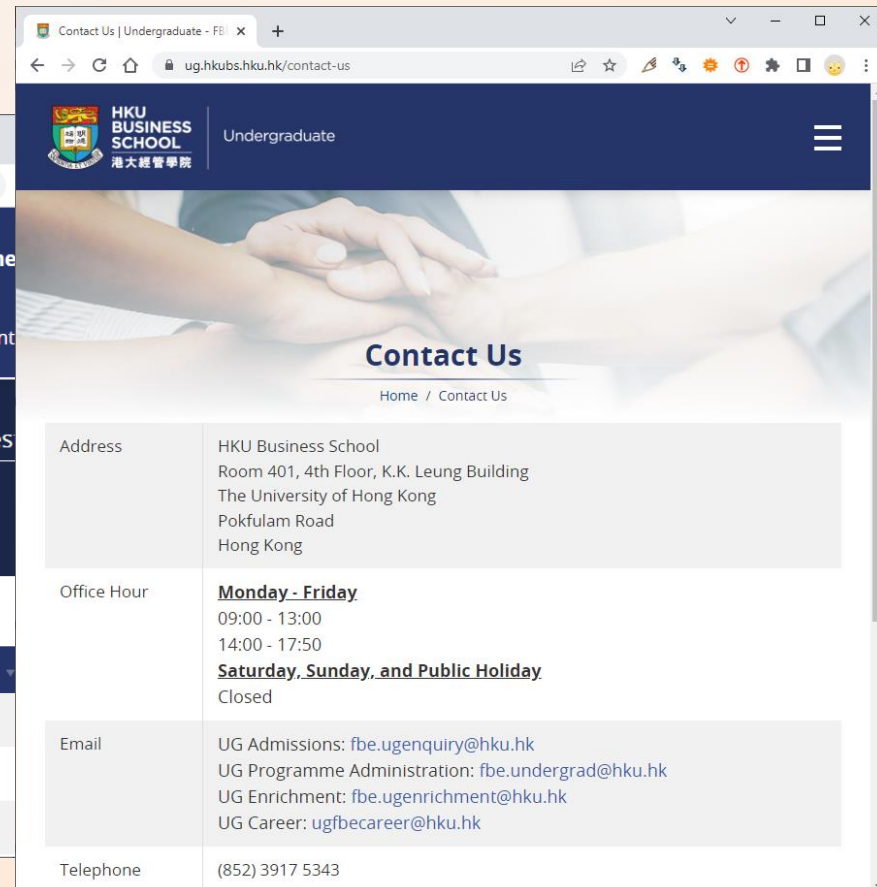
# Reminder in Course Selection

## ➤ General Principle:

- ❖ For any conflict, you must first follow your degree curriculum (i.e. your first major), and then you should seek special arrangement (e.g. course replacement) in your second major or minor(s), through the course offering department/faculty.



Code	Course Name	Lecturer	Semester
ACCT1101ABC	Introduction to Financial Accounting		1
ACCT1101DE	Introduction to Financial Accounting		1
ACCT1101FGH	Introduction to Financial Accounting		1



**Contact Us**

Home / Contact Us

Address	HKU Business School Room 401, 4th Floor, K.K. Leung Building The University of Hong Kong Pokfulam Road Hong Kong
Office Hour	<b>Monday - Friday</b> 09:00 - 13:00 14:00 - 17:50 <b>Saturday, Sunday, and Public Holiday</b> Closed
Email	UG Admissions: fbe.ugenquiry@hku.hk UG Programme Administration: fbe.undergrad@hku.hk UG Enrichment: fbe.ugenrichment@hku.hk UG Career: ugfbecareer@hku.hk
Telephone	(852) 3917 5343

# Professional Examinations and Accreditation Arrangements





# Professional Exams

## ➤ Institute and Faculty of Actuaries (IFoA) (<https://www.actuaries.org.uk/>)



- ❖ To be an Associate of IFoA:
  - Core Principles (CS1-2, CM1-2, CB1-3)
  - Core Practices (CP1-3)
  - Personal and Professional Development (PPD)

## ➤ Society of Actuaries (SOA) (<https://www.soa.org>)



- ❖ To be an Associate of SOA (ASA):
  - 6 Exams: P, FM, FAM, ALTAM/ASTAM, SRM, PA
  - 3 VEE Topics: (<https://www.soa.org/education/exam-req/edu-vee.aspx>)
    - ✓ Economics
    - ✓ Accounting and Finance
    - ✓ Mathematical Statistics
  - 4 e-Learning Courses: PAF, ASF, ATPA, FAP
  - 1 Seminar: Associateship Professionalism Course (APC)



# IFoA Curriculum since 2019

## Qualification: Associate

Core Principles	Actuarial Statistics	Actuarial Mathematics	Business		Pass all Core Principles and Core Practice exams
	Actuarial Statistics CS1	Actuarial Mathematics CM1	Business Finance CB1	Business Economics CB2	
	Risk Modelling and Survival Analysis CS2	Financial Engineering and Loss Reserving CM2	Business Management CB3		
Core Practices	Actuarial Practice	Modelling Practice	Communications Practice		
	Actuarial Practice CP1	Modelling Practice CP2	Communications Practice CP3		

## Qualification: Fellow

	Alternative	Health and Care	Life Insurance	Pensions and other benefits	Investment and Finance		General Insurance		Enterprise and Risk Management	
Specialist Principles	Master's level dissertation SP0	Health and Care Principles SP1	Life Insurance Principles SP2	Pensions and other benefits Principles SP4	Investment and Finance Principles SP5	Financial Derivatives Principles SP6	General Insurance Reserving and Capital Modelling Principles SP7	General Insurance Pricing Principles SP8	Enterprise Risk Management Principles SP9	Pass two SP subjects
Specialist Advanced	Master's level thesis SA0	Health and Care Advanced SA1	Life Insurance Advanced SA2	Pensions and other benefits Advanced SA4	Investment and Finance Advanced SA7		General Insurance Advanced SA3			Pass one SA subject



# IFoA Accreditation

- In 2019, an accreditation agreement was signed and approved by IFoA. Under the new accreditation agreement, The University of Hong Kong now joins the ranks of selected institutions worldwide that offer the maximum exemptions (CS1, CS2, CM1, CM2, CB1, and CB2).
- <https://saasweb.hku.hk/current/as/ac-exemptions.php>

- With the new accreditation, students who graduate with a BSc(ActuarSc) degree from The University of Hong Kong with the required marks in specified subjects will be exempted from taking various IFoA subjects in the new curriculum, as they begin their journey towards qualifying as an actuary.



# SOA Curriculum: ASA Pathway 2022



**SOCIETY OF  
ACTUARIES®**

Qualification: Associate (ASA)

FOUNDATIONS	ACTUARIAL I	ACTUARIAL II	ADVANCED	PROFESSIONALISM
<b>EXAM</b> FINANCIAL MATHEMATICS <b>STAT2902</b> <b>STAT3905</b>	<b>EXAM</b> FUNDAMENTALS OF ACTUARIAL MATHEMATICS <b>STAT3901, STAT3906</b> <b>STAT3908, STAT4903</b>	<b>EXAM</b> ADVANCED LONG-TERM ACTUARIAL MATHEMATICS <b>OR</b> ADVANCED SHORT-TERM ACTUARIAL MATHEMATICS <b>STAT3901, STAT3903,</b> <b>STAT3909, STAT3956,</b> <b>OR STAT3906,</b> <b>STAT3908, STAT4903</b>	<b>e-LEARNING</b> FUNDAMENTALS OF ACTUARIAL PRACTICE  <b>STAT3953</b>	<b>SEMINAR</b> ASSOCIATESHIP PROFESSIONALISM COURSE
<b>EXAM</b> PROBABILITY <b>STAT2901</b> <b>STAT3902</b>	<b>VEE</b> MATHEMATICAL STATISTICS  <b>*STAT3902</b>	<b>EXAM</b> PREDICTIVE ANALYTICS  <b>STAT4904</b>	<b>e-LEARNING</b> ADVANCED TOPICS IN PREDICTIVE ANALYTICS  <b>(STAT4904)</b>	
<b>VEE</b> ECONOMICS  <b>*ECON1210</b> <b>*ECON1220</b>				
<b>VEE</b> ACCOUNTING AND FINANCE  <b>*ACCT1101</b> <b>*STAT3904</b>	<b>EXAM</b> STATISTICS FOR RISK MODELING <b>STAT3907</b> <b>STAT4904</b>			
<b>e-LEARNING</b> PRE-ACTUARIAL FOUNDATIONS  <b>(Internships and            Career Training)</b>	<b>e-LEARNING</b> ACTUARIAL SCIENCE FOUNDATIONS  <b>(STAT3953)</b>			

\*VEE approved courses

# SOA Preliminary Exams

- **Exam P**
  - ❖ STAT2901, STAT3902
- **Exam FM\***
  - ❖ STAT2902
- **Exam FAM**
  - ❖ STAT3901, STAT3906
- **Exam ALTAM\* (Option 1)**
  - ❖ STAT3909, **STAT3956**
- **Exam ASTAM\* (Option 2)**
  - ❖ STAT3908, **STAT4903**
- **Exam SRM\***
  - ❖ STAT3907, STAT4904
- **Exam PA**
  - ❖ **STAT4904**

Blue: Disciplinary Elective Course

<https://saasweb.hku.hk/current/as/uec.php>



*University-earned credits (UEC) apply to some of these HKU courses where students can get exemption from the corresponding SOA exams\* upon satisfactory exam results at HKU.*



# SOA Validation by Educational Experience (VEE)

- **VEE Economics**
  - ❖ ECON1210, ECON1220
- **VEE Accounting and Finance**
  - ❖ ACCT1101, STAT3904
- **VEE Mathematical Statistics**
  - ❖ STAT3902



## Remarks:

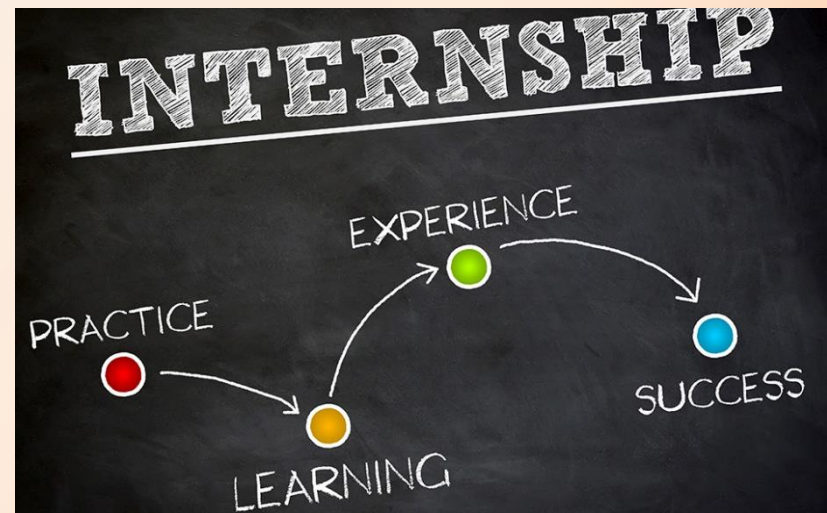
There are other courses approved by SOA, but they are *not core courses* of the BSc(ActuarSc) programme. Some of those courses and our BSc(ActuarSc) core courses are *mutually exclusive*.

<https://saasweb.hku.hk/current/as/vee.php>

# Career Matters

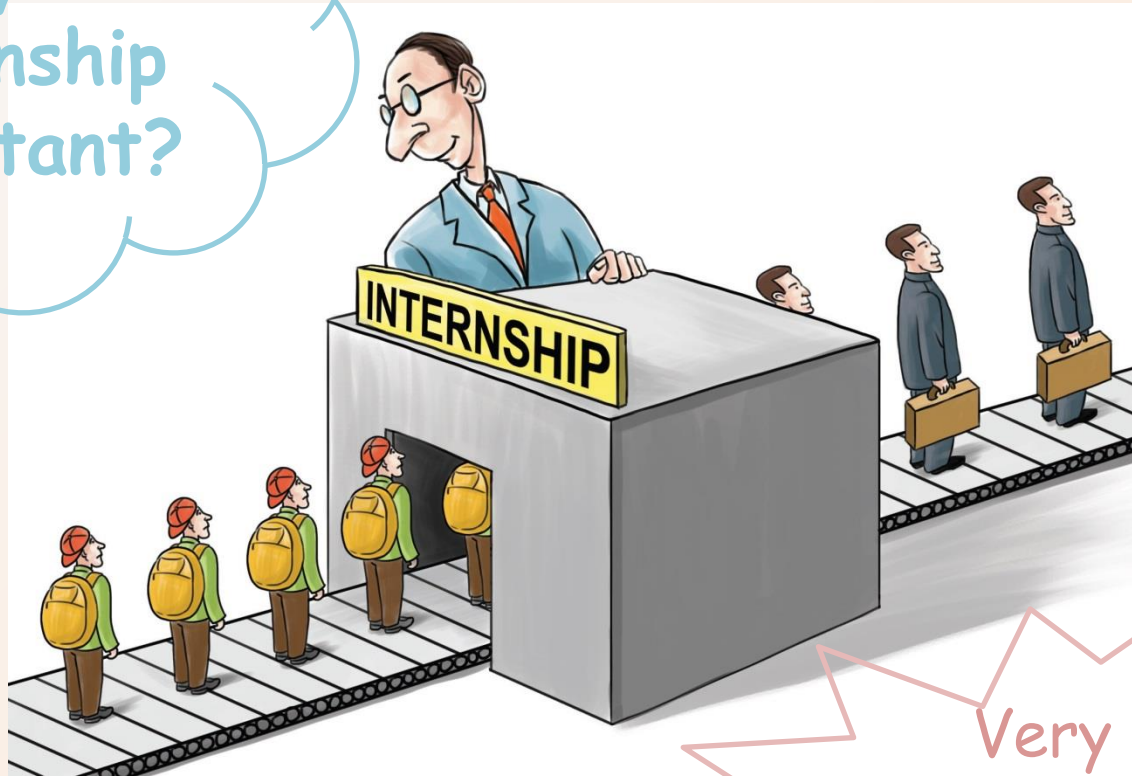


# Internship and Career Training



# Internship

Why is  
internship  
important?



Very  
competitive  
market!



# Internship

Hello my name is

INTERN

- Usually in Year 3 or Year 4
- 6 months (e.g. January-June or July-December)
- Need to apply for leave of absence, and defer the study

Apply Internship				Apply for Leave + Apply for Enrolment				Internship Period								Oral Presentation and Report																							
Year 2 Sem 1				Year 2 Sem 2				Year 3 Sem 1								Year 3 Sem 2				Year 4 Sem 1				Year 4 Sem 2				Deferred Year 5											
9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12

- If you wish to use your internship to fulfill the **Capstone Requirement: STAT4767 Actuarial science internship**,
  - ❖ the earliest time you can start your internship is the summer after your Year 2 study;
  - ❖ you must have passed 4 advanced disciplinary courses including STAT3901 Life contingencies I prior to the start of the internship;
  - ❖ submit your registration prior to the start of the internship.
- Check the details on the Department website:
  - <https://saasweb.hku.hk/current/stat4767.php>

# Skill Set



## ➤ Hard Skills

- ❖ Actuarial 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)*

# Internship / Job Online-application System



Department of 統計及精算學系  
Statistics & Actuarial Science



- Home
- About Us
- People
- Research
- Study Programmes
- For Students**
- News & Events
- Useful Links

- › BSc
- › BSc(ActuarSc)
- › MStat
- › Research Postgraduate
- › Student Internship**
- › Student Intranet
- › Scholarships
- › Career Advising Programme (CAP) **NEW**

## The Internship Programme

[Login to Internship/Job Online-application System](#)

### › Benefits to Students

There is no better training than obtaining solid hands-on experience in the real workplace. 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 while strengthening his/her technical, analytical and communication skills.

Under the Internship Programme, 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 packages: word processing, spreadsheets, VBA, database management, SAS, graphics, PowerPoint presentation.

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

Skills and Areas of Knowledge	Typical Job Areas
<ul style="list-style-type: none"><li>• financial services and banking</li><li>• insurance pricing and analysis</li><li>• actuarial consulting</li><li>• pension and benefit programme evaluation</li><li>• financial reporting</li><li>• risk analysis</li></ul>	<ul style="list-style-type: none"><li>• data analysis for evaluation of programmes</li><li>• end-user computer support</li><li>• designing worksheets and graphs</li><li>• using PC spreadsheet software</li><li>• financial analysis using actuarial and statistical techniques</li></ul>

# Internship / Job Online-application System



Department of 統計及精算學系  
Statistics & Actuarial Science



## Internship / Job Online-application System



UID :

Name :

Last Status : Available working period: From: 2017-07-01 To: 2019-12-31

PPP Score : Letter & CV Submitted :

Major : Actuarial Science

E-mail :

Contact Phone:

Mock Interview :  Case Analysis & Presentation :

[Current Job List](#) • 
 [Application History](#) • 
 [Past Internship/Jobs](#) •

Records shown 1 - 13 of 13

Jobtype	Company Name	Job Title / Job Description / Form	Closing date	Action
Internship_AS&ST	Chubb Life Hong Kong	<a href="#">Actuarial Interns (Jan-Jun 2018) SP 1114</a>	2017-08-27	Submit completed application via email at <input type="text" value=""/> @chubb.com
Internship_AS&ST	AXA China Region Insurance Co Ltd	<a href="#">Intern (Jan-Jun 2018) FL 1138</a>	2017-08-27	<a href="#">APPLY</a>
Internship_AS&ST	Prudential Hong Kong Limited	<a href="#">Actuarial Intern (Jul-Dec 2018) ML 1193</a>	2017-09-30	<a href="#">APPLY</a>
Internship_AS&ST	AIA Group	<a href="#">Actuarial Internship Programme (Jul-Dec 2018) AW 1201</a>	2017-08-20	<a href="#">APPLY</a>
Internship_AS	Prudential Corporation Asia	<a href="#">3 Actuarial Internships (Jul-Dec 2018) NC 1212</a>	2017-08-27	<a href="#">APPLY</a>
Internship_AS&ST	Hannover Re	<a href="#">Data Analyst Intern/Actuarial Intern (start in mid of Aug) AY 1222</a>	2017-08-13	Submit completed application via email at <input type="text" value=""/> @hannover-re.com
Full-time_AS&ST	Deloitte China	<a href="#">Consultant / Senior Consultant (GRAD)(ASAP) GL 1225</a>	2017-08-20	Submit completed application via email at <input type="text" value=""/> @deloitte.com.hk
Internship_ST&AS	Swiss Re	<a href="#">Intern (ASAP)(6 months) RL 1230</a>	2017-08-16	Submit completed application via email at <input type="text" value=""/> @swissre.com
Full-time_ST&AS	Swiss Re	<a href="#">2018 Graduates Programme(GRAD)(ASAP) RL 1232</a>	2017-09-30	Please apply directly through <a href="http://www.swissre.com/">http://www.swissre.com/</a> <input type="text" value=""/>
Full-time_AS&ST	Prudential Corporation Asia	<a href="#">Actuarial Assistant (GRAD)(ASAP) NC 1233</a>	2017-08-20	<a href="#">APPLY</a>
Internship_ST&AS	JP Morgan	<a href="#">2018 C&amp;I Bank Risk Management Summer Analyst Program JP 1234</a>	2017-10-29	Please apply directly through <a href="https://jpmc.recsolu.com/external/requisitions/xzCM1GKqKa3kc">https://jpmc.recsolu.com/external/requisitions/xzCM1GKqKa3kc</a> <input type="text" value=""/>
Internship_AS&ST	AIA Group	<a href="#">Actuarial Audit Internship Programme (Jan-Jun 2018) CL 1235</a>	2017-08-20	<a href="#">APPLY</a>
Full-time_AS	FTLife Insurance Company Limited	<a href="#">Actuarial Assistant (GRAD) (ASAP) CC 1236</a>	2017-09-10	Submit completed application via email at <input type="text" value=""/> @flife.com.hk

[Change Password](#)

[Update Contact Phone No.](#)

[Update Status](#)

[Logout](#)

# Internship / Job Online-application System

Please read the following terms very carefully and complete the blanks, if applicable, before you submit applications:

DECLARATIONS

1. If applicable, I have completed my last exchange on  or last internship on .
2. Based on my latest available period, from **2017-07-01** to **2019-12-31**, I am available for the entire appointment period.
3. If applicable, I have a valid permission to take up this job in accordance to the Immigration Regulations.
4. If I am nominated for the post, I will attend the employer's interview and if applicable, I will accept employer's offer. I will complete the 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.hku.hk](mailto:internship-job@saas.hku.hk).
6. If applicable, requirements I do not meet include  
  
 (Max. 100 characters).
7. I have provided the latest CV and cover letter tailored to this particular job.
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. I agree not to send my application directly to the employer without prior consents of my Department.
10. I  taken the course STAT4767 Actuarial Science Internship. If not, I  take 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 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 apply for leave of absence from the Department via the Faculty of Science office as soon as possible. Please note that the Department reserved 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 reported violation of the above obligations.**

Application Form / Cover Letter (compulsory) <small>If an application form is available, you must submit your filled form as required here.</small>	<input type="button" value="Choose File"/> No file chosen												
CV / Resume (compulsory)	<input type="button" value="Choose File"/> No file chosen												
Scanned HKU Transcript / Exam Result (compulsory) <small>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.</small>	<input type="button" value="Choose File"/> No file chosen												
Other Supporting Document(s) <small>(combine all relevant supporting documents into one PDF file.)</small>	<input type="button" value="Choose File"/> No file chosen												
PC Skill	<input type="text"/> (Max. 100 characters)												
Language Skill	<table border="0"> <tr> <td>DSE English or Equivalent</td> <td><input type="text" value="NA"/></td> <td>DSE Chinese or Equivalent</td> <td><input type="text" value="NA"/></td> </tr> <tr> <td>HKAL English or Equivalent</td> <td><input type="text" value="NA"/></td> <td>HKAL Chinese or Equivalent</td> <td><input type="text" value="NA"/></td> </tr> <tr> <td>HKCEE English or Equivalent</td> <td><input type="text" value="NA"/></td> <td>HKCEE Chinese or Equivalent</td> <td><input type="text" value="NA"/></td> </tr> </table>	DSE English or Equivalent	<input type="text" value="NA"/>	DSE Chinese or Equivalent	<input type="text" value="NA"/>	HKAL English or Equivalent	<input type="text" value="NA"/>	HKAL Chinese or Equivalent	<input type="text" value="NA"/>	HKCEE English or Equivalent	<input type="text" value="NA"/>	HKCEE Chinese or Equivalent	<input type="text" value="NA"/>
DSE English or Equivalent	<input type="text" value="NA"/>	DSE Chinese or Equivalent	<input type="text" value="NA"/>										
HKAL English or Equivalent	<input type="text" value="NA"/>	HKAL Chinese or Equivalent	<input type="text" value="NA"/>										
HKCEE English or Equivalent	<input type="text" value="NA"/>	HKCEE Chinese or Equivalent	<input type="text" value="NA"/>										

# Internship / Job Online-application System

## ➤ Eligibility to use the System

- ❖ Only students (and alumni) of our Department of Statistics and Actuarial Science
- ❖ For AS students, you are required to attend
  - Prelude to Actuarial Internships cum Workplace Etiquette Workshop (either session in Sem 1 or Sem 2)
  - Oral presentation of Actuarial Science Internship given by your senior students (a specific number of sessions)
  - 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

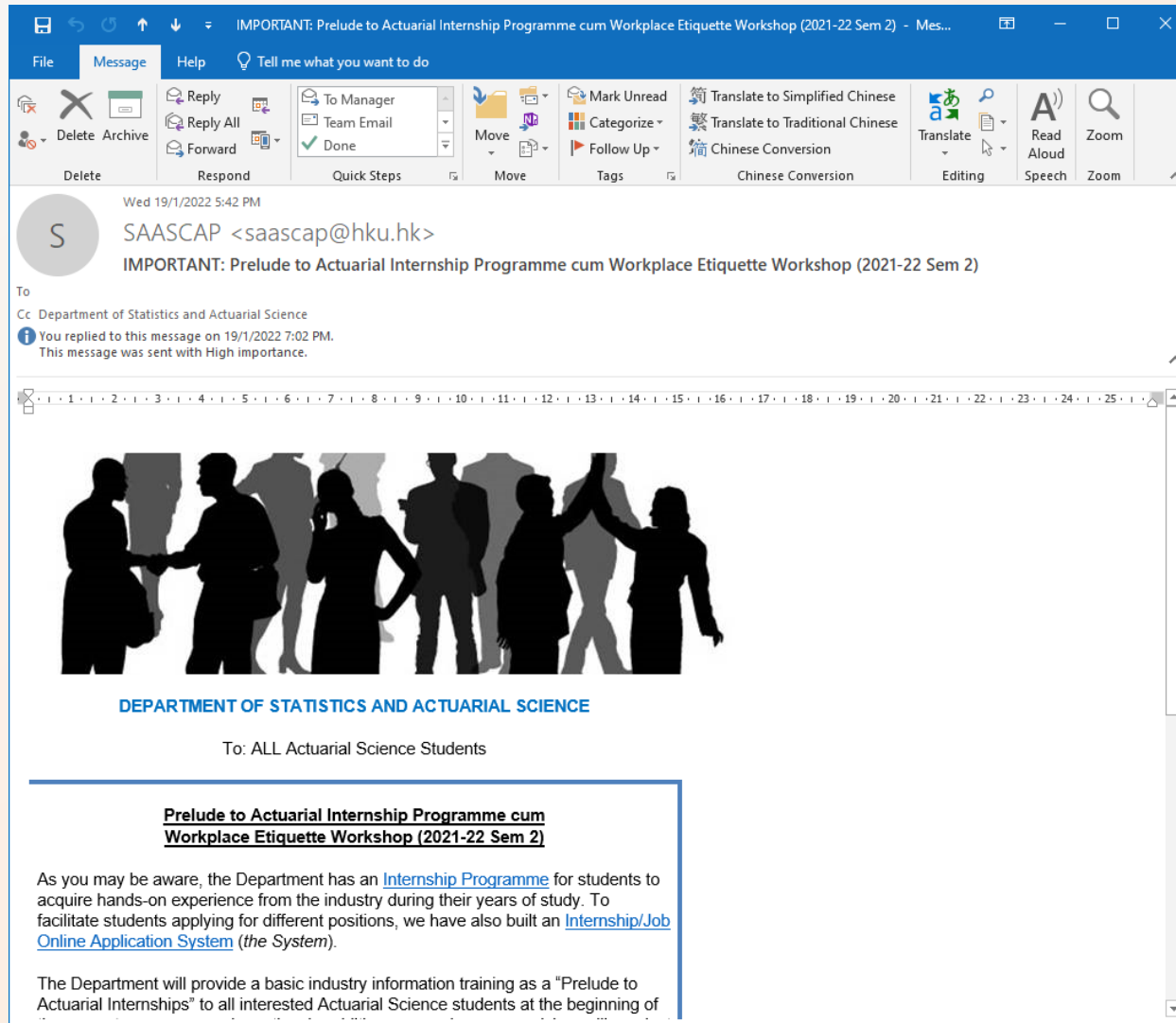
# Prelude to Actuarial Internships 2024

- **Date: September 4, 2024 (Wednesday)**
- **Time: 10:30 a.m. – 12:30 p.m.**
  - ❖ Invited guest speaker from the industry
  - ❖ Share experience as actuarial practitioners
  - ❖ Talk about the actuarial market landscape
  - ❖ Hint our students how to prepare for actuarial jobs
- **Workplace Etiquette Workshop**
  - ❖ Career adviser will remind you of some useful workplace gesture and attitude





# Prelude to Actuarial Internships cum Workplace Etiquette Workshop




Wed 19/1/2022 5:42 PM

**S** SAASCAP <saascap@hku.hk>  
**IMPORTANT: Prelude to Actuarial Internship Programme cum Workplace Etiquette Workshop (2021-22 Sem 2)**

To  
Cc Department of Statistics and Actuarial Science

**i** You replied to this message on 19/1/2022 7:02 PM.  
This message was sent with High importance.



**DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE**

To: ALL Actuarial Science Students

**Prelude to Actuarial Internship Programme cum Workplace Etiquette Workshop (2021-22 Sem 2)**

As you may be aware, the Department has an [Internship Programme](#) for students to acquire hands-on experience from the industry during their years of study. To facilitate students applying for different positions, we have also built an [Internship/Job Online Application System](#) (the System).

The Department will provide a basic industry information training as a "Prelude to Actuarial Internships" to all interested Actuarial Science students at the beginning of

# 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

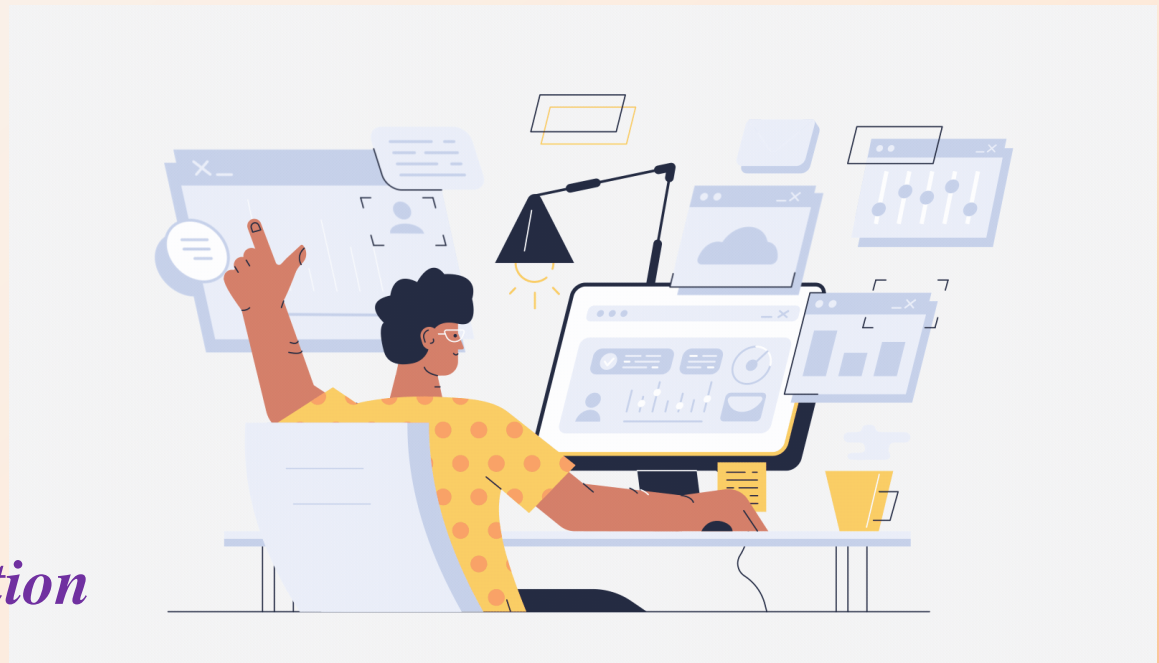
- *Specialize the skill in collaboration in group presentation, like leadership and organization*

## ❖ 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*



# Career Advising Programme (CAP)

- 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!]



# Study Abroad



## Exchange Experience



# Exchange Opportunities

- HKU Worldwide Undergraduate Student Exchange Programme (HKUWW)
  - ❖ <https://intlaffairs.hku.hk/hku-worldwide-student-exchange>
- HKU Summer Institute
  - ❖ <https://summerinstitute.hku.hk>
- Faculty of Science Exchange Programme
  - ❖ <https://www.scifac.hku.hk/current/ug/el/exchange/faculty-exchange-programme>



# Exchange Credit Transfer

## ➤ Faculty of Science: Course Equivalence Database

❖ [https://webapp.science.hku.hk/student/servlet/course\\_equiv](https://webapp.science.hku.hk/student/servlet/course_equiv)

### For credit transfer reference:

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

## COURSE EQUIVALENCE DATABASE

### University

18. Canada - University of Toronto

#### Canada - University of Toronto

No.	Partner Code	Partner Credit/Unit	Partner Title	HKU Code	HKU Credit	HKU Title
1.	ACT349H1	0.5	Corporate Finance for Actuarial Science	STAT3904	6	Corporate finance for actuarial science
2.	ACT370H1	0.5	Financial Principles for Actuarial Science II	STAT3910	6	Financial economics I
3.	ACT451H1	0.5	Loss Models	STAT3906	6	Risk theory I
4.	ACT455H1	0.5	Advanced Topics in Actuarial Science	STAT3909	6	Advanced life contingencies
5.	ACT460H1	0.5	Stochastic Methods for Actuarial Science	STAT3911	6	Financial economics II
6.	ACT466H1	0.5	Credibility and Simulation	STAT3908	6	Credibility theory and loss distributions
7.	ACT470H1	0.5	Advanced Pension Mathematics	STAT3956	6	Pension funds and pension mathematics

S35415

THE UNIVERSITY OF HONG KONG  
FACULTY OF SCIENCE

For 4-Year Curriculum

**Application for Leave of Absence and Transfer of Credits for  
BSc / BSc(ActuarSc) Outgoing Exchange/Visiting Students**  
(Academic Year : \_\_\_\_\_)

**IMPORTANT NOTES:**

- This form should be submitted to the Faculty Office, with all supporting documents attached, at least 1 month before the date of departure.
- The Dean, on the recommendation of the Department concerned, would consider your application for transfer of credits. Transfer of credits is conditional upon your successful completion of the approved courses.
- Students should not change the applied list of courses for credit transfer and the applied equivalent course at HKU afterwards (UNLESS you cannot take such course(s) eventually at your host institution. In such case, you should inform the Faculty by the end of the add/drop period at your host institution for any change of your applied list of courses (including applying new course(s) for credit transfer, dropping applied course(s) at HKU for applied course(s) for approval by the Dean. Any changes in credit transfer application after 1 month of the commencement of exchange/visiting semester will NOT be considered.
- Credits transferred are not included in the calculation of GPA. Only the examination results obtained from this University will be used to determine the honours classification. The Board meets in late June each year to determine honours classification.

**Part I : General Information**

Name : \_\_\_\_\_ ( ) Programme of study : \_\_\_\_\_ University No : \_\_\_\_\_ Year of Admission to BSc : \_\_\_\_\_ Current Year of study : 1/2/3/4 \*

Intended Major & Minor : Major(s) in \_\_\_\_\_ (Major 1) \_\_\_\_\_ (Major 2) Minor(s) in \_\_\_\_\_ (Minor 1) \_\_\_\_\_ (Minor 2)

Contact Telephone Number : \_\_\_\_\_ Email address : \_\_\_\_\_ Period of exchange/visiting : \_\_\_\_\_ (Period of leave of absence to be applied: MMYY - MMYY)

Host Institution and Country : \_\_\_\_\_ Duration : 1st semester / 2nd semester / Summer Semester / 1 year \*

\* *delete as appropriate*

**Part II : Application for Leave of Absence and Credit Transfer (Please ✓ wherever appropriate)**

I wish to apply for leave of absence for my exchange/visiting period, but do NOT wish to apply for transfer of credits to be taken at the host institution. (Go to Part IV)

I wish to apply for leave of absence for my exchange/visiting period and wish to apply for transfer of credits to be taken at the host institution.

I would like to apply for \_\_\_\_\_ credits of transfer to the HKU BSc / BSc(ActuarSc) degree. (Go to Part III)

**Part III : Course information of host institution \***

(A) The following details are required for the Faculty to process your application for transfer of credits. You may need to contact the host institution for such details.

Duration of the undergraduate degree curriculum: \_\_\_\_\_ years Number of semester/terms in each academic year: \_\_\_\_\_ Start date of semester/term: \_\_\_\_\_

Number of teaching weeks: \_\_\_\_\_ in each semester/term ; \_\_\_\_\_ in each year Standard semester/term study load (credit/unit): \_\_\_\_\_ Number of credits required for graduation (credit/unit): \_\_\_\_\_

Approximate number of contact hours of each credit / unit of course : \_\_\_\_\_ Deadline of course add/drop period : \_\_\_\_\_ Expected date of announcement of examination results: \_\_\_\_\_

\* Supporting documents (with source link), such as course handbook, syllabuses, from the host institution must be attached, otherwise your application for transfer of credits cannot be processed.

# Career Support and Activities

- Centre of Development and Resources for Students (CEDARS) ([www.cedars.hku.hk](http://www.cedars.hku.hk))
- Prelude to Actuarial Internships and Workplace Etiquette Workshop
- Actuarial Internship Presentation by senior AS students
- Departmental Internship/Job Online-application System
- Career Advising Programme (CAP)
  - 😊 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 AS students to discuss academic and professional matters, share experience in studying and job hunting, etc.



Preparation for actuarial intern interviews  
by [redacted] - Saturday, 19 March 2022, 2:47 PM

Hello everyone, I have applied for the Pricing Intern from [redacted] Life Insurance and I'm going to attend their online interview next Monday. I'd like to ask if any seniors have past experiences in having interviews with [redacted] (or for other pricing intern positions) and are there any interview tips that you could kindly provide? Thank you.

[Permalink](#)   [Edit](#)   [Delete](#)   [Reply](#)   [Export to portfolio](#)



Re: Preparation for actuarial intern interviews  
by [redacted] - Saturday, 19 March 2022, 4:19 PM

Hi [redacted], I had an interview in [redacted] (pricing team) around one month ago so that I can share some experience with you.

The interviewer is Chinese. We used Mandarin to talk throughout the entire interview. In the interview, he asked me to introduce myself, and ask me about what I had done in my previous internship. After that, he shared some more information on the working content and asked me how many days I could work. At the end of the interview, he asked me to wait for HR to contact me.

Link: <https://moodle.hku.hk/course/view.php?id=94588>

Course Settings Participants Grades Reports More ▾

## ▼ Notice Board and News Announcements

Collapse all



Which SOA Study Manual Would You Like Our Department to Purchase?

Mark as done

- Suppose you can only make one choice (due to the budget given by SOA), choose the one you find the most suitable to students.
- The following manuals have already been purchased and now available from the General Office for students to borrow.
  - ACTEX Study Manual for SOA Exam PA
  - ASM Study Manual for SOA Exam ALTAM
  - ACTEX Study Manual for SOA Exam SRM

Mark as done



News announcement

Mark as done

- [Department Page for Current Students - BSc\(ActuarSc\)](#)

Mark as done

- [Department Timetable \(24-25, Sem 1\)](#)

Mark as done

- [Department Timetable \(24-25, Sem 2\)](#)

# Faculty Academic Advisers (FAA) Student Peer Advisers (SPA)

- Sign up your *Faculty Academic Adviser* and *Student Peer Adviser*
- <https://aas.hku.hk/faa-signup/>
- You are **required** to meet your FAA 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 FAA and/or SPA.

# Faculty Academic Advisers (FAA) Student Peer Advisers (SPA)

Sign up for Your Faculty Academic Adviser/ Faculty Student Adviser

Welcome on Board!

At HKU, each undergraduate student is guided and supported on academic matters throughout their learning journey by an academic staff from their home Faculty, who is known as their Faculty Academic Adviser (FAA).

**For students from the following Faculties:**  
Architecture  
Arts\*  
Business School\*  
Engineering\*  
Law\*  
Medicine (Bachelor of Nursing Programme only)  
Science\*  
Social Sciences\*

You are required to sign up for your FAA from **2:00 pm, August 12, 2024 (Monday) to 10:00 am, August 20, 2024 (Tuesday)** at <https://ugaa.hku.hk/signup-faa.php>, on a first-come-first-served basis. If you do not sign up by August 20, 2024, you will be automatically assigned a FAA by the System.

[Click here to sign up for your FAA/FSA](#)

\*In addition to FAA, you are required to sign up for a Faculty Student Adviser (FSA), a senior student who is dedicated to supporting your transition and adaptation to University studies by sharing his/her experience and advice on various academic matters.

# 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/](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)

- ❖ [lib.hku.hk](http://lib.hku.hk)

- Examinations Office

- ❖ [www.exam.hku.hk](http://www.exam.hku.hk)

- Centre of Development and Resources for Students (CEDARS)

- ❖ [cedars.hku.hk](http://cedars.hku.hk)

- Academic Advising & Scholarships Office (AASO)

- ❖ [aas.hku.hk](http://aas.hku.hk)

- University Health Service (UHS)

- ❖ [uhs.hku.hk](http://uhs.hku.hk)

- Centre for Sports and Exercise

- ❖ [cse.hku.hk](http://cse.hku.hk)



# Important Reminders

- Check HKU Portal emails everyday
- 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 BSc(ActuarSc) 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:  $365 \times 4 = 1460 > 1000$ )
- Be realistic! Be diligent!





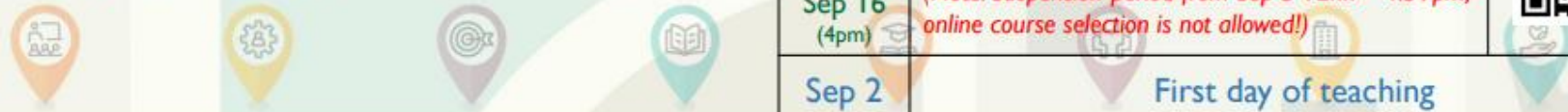
# To-do-list



## To-do-list for Freshers in Science Programmes 2024-25

From Aug 13	<ul style="list-style-type: none"> <li>Perform Online Master Registration</li> <li>Preview available courses @ <a href="#">HKU Portal</a></li> </ul>	
Aug 12   Aug 30	<ul style="list-style-type: none"> <li>Join our 'Student Peer Advising Live Chat' via Zoom for course/major selection advice, etc. <i>(Please check out our emails/social media for schedule/details.)</i></li> </ul>	
Aug 12 (2pm)   Aug 20 (10am)	<ul style="list-style-type: none"> <li>Sign up for your Academic Adviser (AA) / Student Peer Adviser (SPA) @ <a href="https://bit.ly/3hMtii0">https://bit.ly/3hMtii0</a></li> <li><b>[NOT FOR 6688 SCIENCE MASTER CLASS FRESHMEN]</b></li> <li><i>(For late-comers, please do the online sign-up during Aug 23 5pm – Aug 27 4pm)</i></li> </ul>	
Aug 12 (2pm)   Aug 20 (10am)	<ul style="list-style-type: none"> <li>Indicate your intended Science majors @ <b>Faculty's OASS</b></li> <li><b>[FOR 6901 BSC, 6688 SMC &amp; 6858 BSC&amp;LLB YEAR I FRESHMEN ONLY]</b></li> <li><i>(For late-comers, please do the online indication during Aug 23 5 pm– Aug 27 4pm)</i></li> </ul>	

Aug 19	<ul style="list-style-type: none"> <li>Attend 'Faculty Induction Talk for BSc, BSc&amp;MRes, BSc&amp;LLB, BSc(ActuarSc) and BASc(AppliedAI) Freshmen'</li> </ul> <p><i>(Please check out our emails/social media for more details.)</i></p>	
Aug 20 (10am)   Aug 26 (4pm)	<ul style="list-style-type: none"> <li>Course Selection Period for online course selection @ <a href="#">HKU Portal</a></li> </ul> <p><i>(Note: Suspension period from Aug 21 12nn – Aug 22 2:29pm; online course selection is not allowed!)</i></p>	
by Aug 20 (11:59pm)	<ul style="list-style-type: none"> <li>Submission of application for               <ol style="list-style-type: none"> <li>Exemption from Taking Chinese Language Course (CSCI9001)</li> <li>Granting of Advanced Standing / Transferred Credits (internal transfer)</li> </ol> </li> </ul> <p>@ <a href="#">Faculty's OASS</a>, if applicable</p>	
by Aug 26 (4pm)	<ul style="list-style-type: none"> <li>Submission of application for               <ol style="list-style-type: none"> <li>Taking Course Load Deviating From Normal Load</li> <li>Course Approval Form</li> <li>Taking a Replacement Course</li> </ol> </li> </ul> <p>@ <a href="#">Faculty's OASS</a>, if applicable</p> <p><i>(Note: (2) &amp; (3) can also be submitted during the course add/drop period by Sep 13 4pm &amp; Sep 16 4pm respectively)</i></p>	
Sep 2 (10am)   Sep 16 (4pm)	<ul style="list-style-type: none"> <li>Add/Drop Period for online course selection @ <a href="#">HKU Portal</a></li> </ul> <p><i>(Note: Suspension period from Sep 3 12nn – 4:59pm; online course selection is not allowed!)</i></p>	
Sep 2	First day of teaching	





THANK YOU  
FOR YOUR  
ATTENTION

**Q & A**



# Evaluation Form for Faculty Induction Talk for Freshmen in BSc, BSc&MRes (Science Master Class), BSc&LLB, BSc(ActuarSc) and BAsc(AppliedAI)

We would like to hear from you about your views of the programmes today which would be useful for our improvement. Please scan this QR code and complete the online evaluation form before leaving. Thank you!



Academic Year: 2024-2025

**Flow Chart of Disciplinary Courses for BSc(ActuarSc)** (admitted in 2020 and thereafter)

**S1** = Offered in 1st Semester

**S2** = Offered in 2nd Semester

**NO** = Not offered currently

**VEE Courses**

<sup>a</sup> VEE Economics

<sup>b</sup> VEE Accounting and Finance

<sup>c</sup> VEE Mathematical Statistics

→  
Pre-requisite (passed the course)  
or suggested sequence

—  
Co-requisite (passed or already  
enrolled in the course)

**Color Scheme**

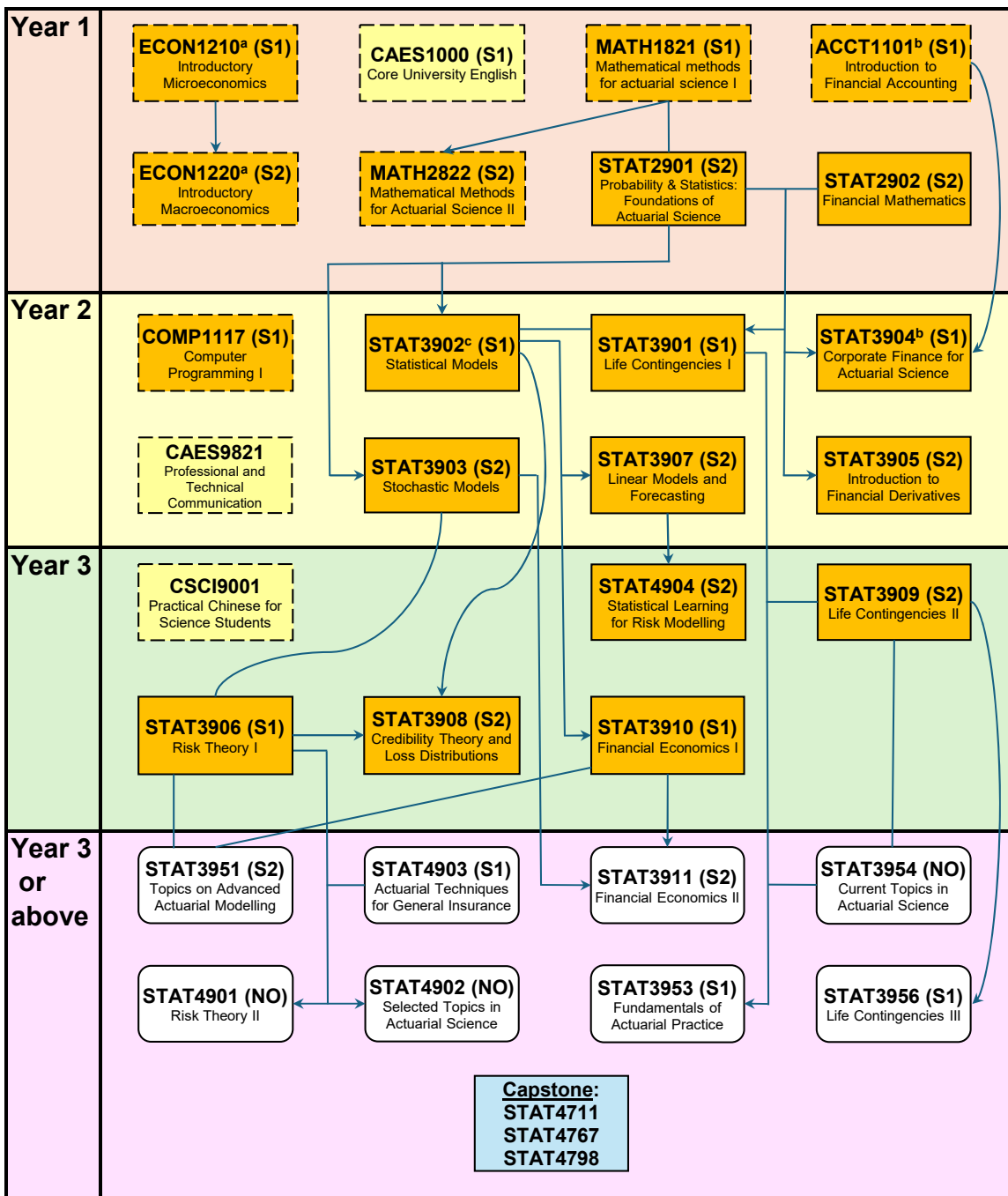
<b>Pink</b>	Year 1
<b>Yellow</b>	Year 2
<b>Green</b>	Year 3
<b>Purple</b>	Year 3 or above

**Border Scheme**

<b>Solid</b>	Offered by SAAS
<b>Dashed</b>	Other Departments

**Shape Scheme**

<b>Rectangle</b>	Core
<b>Rounded</b>	Elective
<b>Rectangle</b>	Capstone requirement
<b>Rectangle</b>	Language courses



**Remarks:**

- (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 BSc(ActuarSc) curriculum to fulfil the degree requirement.
- (2) The information shown in this flow chart is just for your understanding of the interconnection of different courses. Students must follow the most updated course information (pre-requisite, offering semester, etc.) and syllabus given on the Faculty website and in class.

**Suggested BSc(ActuarSc) 4-year Curricular Structure<sup>1</sup>**  
(for students admitted in 2020 and thereafter)

Year	One		Two		Three		Four	
Semester	One	Two	One	Two	One	Two	One	Two
<b>Disciplinary Core</b>	<b>ECON1210</b> Introductory Microeconomics <b>MATH1821</b> Mathematical Methods for Actuarial Science I <b>ACCT1101</b> Introduction to Financial Accounting	<b>ECON1220</b> Introductory Macroeconomics <b>MATH2822</b> Mathematical Methods for Actuarial Science II <b>STAT2901</b> Probability and Statistics: Foundations of Actuarial Science <b>STAT2902</b> Financial Mathematics	<b>COMP1117</b> Computer Programming <b>STAT3901</b> Life Contingencies I <b>STAT3902</b> Statistical Models <b>STAT3904</b> Corporate Finance for Actuarial Science	<b>STAT3903</b> Stochastic Models <b>STAT3905</b> Introduction to Financial Derivatives <b>STAT3907</b> Linear Models and Forecasting	<b>STAT3906</b> Risk Theory I <b>STAT3910</b> Financial Economics I	<b>STAT3908</b> Credibility Theory and Loss Distributions <b>STAT3909</b> Life Contingencies II <b>STAT4904</b> Statistical Learning for Risk Modelling	Capstone <sup>5</sup>	
<b>Disciplinary Elective<sup>2</sup></b>							12 credits of disciplinary electives <sup>5</sup>	
<b>Free Elective<sup>2</sup></b>					12 credits of free electives		42 credits of free electives	
<b>Common Core</b>	Common core	Common core	Common core	Common core	Common core	Common core		
<b>Language</b>	<b>CAES1000<sup>4</sup></b> Core University English			<b>CAES9821<sup>5</sup></b> Professional and Technical Communication for Statistical Sciences		<b>CSCI9001<sup>3,4</sup></b> Practical Chinese for Science Students		
<b>Credits</b>	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.
- CAES9821 was previously called Professional and Technical Communication for Mathematical Sciences in 2023-24 and before.
- Lists of Disciplinary Electives (at least 12 credits) and Capstone courses:

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