



數學、統計及保險學系  
DEPARTMENT OF MATHEMATICS,  
STATISTICS AND INSURANCE

香港恒生大學  
THE HANG SENG UNIVERSITY  
OF HONG KONG



Admission Open 2021

Executive Master of Science in

# Insurance

(EMSC-INS)

EMSC-INS is recognized as Qualified CPD Activity under the CPD requirements of the Insurance Authority.



## School of Decision Sciences

Department of Computing

Department of Mathematics, Statistics and Insurance

Department of Supply Chain and Information Management

## 2019 - 2020

### Facts and Figures

- 1 300+ undergraduate and postgraduate students
- 1 000+ graduates
- 70+ teaching, research and administrative staff
- secured \$25+ million external grants
- published 80+ academic journal papers
- over 200 internships for students

### Programme Overview

EMSC-INS launched by the Hang Seng University of Hong Kong is the first and only Executive Master course dedicated for the risk and insurance industry in Asia. It is created due to the rapidly emerging insurance industry needs in Hong Kong as well as the Greater Bay Area:

- combine practice knowledge with theories and principles in insurance
- introduce risk management concepts in insurance and their applications
- equip students with advanced knowledge and skills in managing insurance business
- provide whole-person development and help groom leaders in the insurance industry and society



### Career Development

The Programme focuses on both theories and applications of risk management and insurance. Upon graduation, students are expected to:

- possess global perspective and be able to take up senior management roles in the fields related to risk management and insurance
- become highly skilled risk management specialists
- be able to develop and drive strategies on revenue growth, client distinctive value, operational excellence, and talent development for the insurance industry
- vigorously lead on innovation of new risk management and insurance product and solutions, including exploitation and use of cutting-edge technology



## From Our Advisors

**Dr. Moses CHENG**, GBM, GBS, OBE, JP  
Chairman  
HSUHK Council and  
Insurance Authority

EMSC-INS programme would undoubtedly be much in demand. I join all others in applauding the efforts in its establishment. I believe that the industry as well as the University are excited to witness its launch and continuous contributions to talents development for the insurance industry.

**Dr. Patrick POON**, SBS  
Chairman  
Harvest SCP Group Company Limited and  
Sing Cheong Charitable Foundation Limited

EMSC-INS programme brings together the most up-to-date theory and practice for the insurance industry executives. Graduates would meet the demand of high quality professionals in the fast developing Insurance industry. I strongly recommend this programme to all insurance executives.

**Mr. Edwin CHAN**  
Managing Director  
AR Consultant Services (Hong Kong) Limited

EMSC-INS programme mixes theoretical knowledge and practice experiences provided by top class academics and experienced insurance practitioners. The programme aims to enhance technical knowledge, both locally and regionally, of the students.

## Program Advisory Committee

**Professor CHAN Wai Sum** (Chairman)  
Professor, Department of Finance  
The Chinese University of Hong Kong

**Mr. CHAN Wo Ping, Edwin** (Member)  
Managing Director  
AR Consultant Services (HK) Limited

**Dr. POON Sun Cheong, Patrick**, SBS (Member)  
Chairman, Harvest SCP Group Company Limited  
Chairman, Shing Cheong Charitable Foundation Limited

**Ms. HUI Mei Ying, Carol** (Member)  
Executive Director  
Long Term Business, Insurance Authority

**Ms. WAN Yuen Wai, Sally** (Member)  
Chief Executive Officer  
AXA Hong Kong and Macau





# School of Decision Sciences

## Department of Mathematics, Statistics and Insurance

### Academic Faculty

#### **Derrick FUNG, PhD (CUHK), FSA (SOA), CERA (SOA)**

Programme Director, Assistant Professor  
Insurance Regulation, Risk Management, Corporate Finance for Insurers

#### **Lawrence LEE, MBA (CUHK), ACII, FLMI, Fellow (HKCIP)**

Associate Programme Director (External), Professor (Practice)  
General Insurance, Professional Indemnity, Risk Management

#### **Michelle WU, MSc (SCUT), MSc (Iowa), FSA (SOA)**

Associate Programme Director (Internal), Senior Lecturer  
Medical Insurance, Financial Reporting, Insurance Risk Management

#### **Man Lai TANG, PhD (UCLA)**

Professor  
Categorical Data Statistical Analysis, Quantile Regression Analysis

#### **Siu Kai CHOY, PhD (HKBU)**

Associate Professor  
Pattern Recognition, Image Processing

#### **Becky LEE, PhD (Waterloo), ASA (SOA)**

Associate Professor  
Risk Theory, Stochastic Models for Insurance and Finance

#### **Carisa YU, PhD (PolyUHK), CStat (RSS)**

Associate Professor  
Asset Management, Risk Management, Financial Optimization

#### **Kevin YUEN, PhD (HKU), ASA (SOA)**

Associate Professor  
Risk Management, Actuarial Science, Financial Economics

#### **Benson LAM, PhD (CityUHK)**

Assistant Professor  
Machine Learning, Computer Vision, Text Mining

#### **Kent LIU, PhD (PolyUHK)**

Assistant Professor  
Machine Learning, Survival Analysis

#### **Guo LUO, PhD (Ohio State)**

Assistant Professor  
Scientific Computing, Actuarial/Insurance Modeling, Financial Mathematics

#### **Timothy NG, PhD (CUHK)**

Assistant Professor  
Time Series Analysis, Variable Selection, Composite Likelihood Methods, Stochastic Calculus, Option Pricing Theory

#### **Tom NG, PhD (CUHK)**

Assistant Professor  
Change-point Analysis, Bootstrap Resampling, Time Series

#### **Chi Chung SIU, PhD (TMU)**

Assistant Professor  
Stochastic Control, Actuarial Mathematics, Financial Mathematics

#### **Jacky LEUNG, PhD (HKBU)**

Senior Lecturer  
Image Processing, Super-resolution Image Reconstruction

#### **William LIU, PhD (Rochester)**

Lecturer  
Differential Geometry, Mathematical Physics

#### **Elaine MO, MSc (CUHK)**

Lecturer  
Censored Data, Order Statistics

### Teachers / Guest Speakers from Industry

#### **Andrew BELLERS LLB (UCL)**

Former General Counsel Asia Pacific  
Aon Corporation

#### **Benjamin CHANG MBA (CityU Macau), ACII**

Former Regional Managing Director  
Aon Global Client Network, Asia Region

#### **Jacky CHAU MBA (Deakin), ALU, CIM, ICA, LOMA**

Head of Underwriting and Claims  
Generali Life (Hong Kong) Ltd.

#### **Kevin CHOR BCom & BA (Melbourne), AIAA**

Chief Life and Market Development Officer  
AXA Hong Kong and Macau

#### **Cathy LIN MS (Wisconsin-Madison), FSA**

Former Chief Actuary  
Generali Life (Hong Kong) Ltd.

#### **Karsen WONG DBA (Newcastle), ACII**

Head of Underwriting & Reinsurance  
Asia-Pacific Property & Casualty Insurance Company Limited

#### **Kevin WONG MSc (UCD), FCII, FLMI**

Senior Manager, Underwriting  
China Pacific Insurance Company (Hong Kong) Limited

#### **Carole ZHU MBA (CUHK)**

Head of Human Resources  
BNP Paribas Cardif

# Programme Curriculum

## Core Modules



Only applicable to local applicants

This module has been included in the list of reimbursable courses under the Continuing Education Fund



## Major Elective Modules\*

\* select 3 from 4 modules

## Modes of Study

Full Time (1 year)

Part Time (2 years)

## Class Schedule

2021/22 academic year

Full Time (1 year)

Part Time (2 years)

Modules to be studied in each semester

4 modules

2 modules

Class schedule

Every Saturday and Sunday (12 hours per week)

Every Saturday or Sunday (6 hours per week)

## Graduation Requirements

To be eligible for the award of the Executive Master of Science in Insurance, students are required to:

- complete and obtain a Grade D or above on at least 24 credits (8 modules), including five core modules and three major elective modules; and
- obtain a minimum cumulative GPA of 2.0.



## Student Testimonial



**Randell Aranza**

Customer Care Manager  
AXA Hong Kong  
and Macau

EMSC-INS is an in-depth learning journey that exposes me to insurance ecosystems, current market challenges and the industry's competitive dynamics. It also provides an enriching platform for me to directly learn from business leaders who offer their perspectives and experiences in class. Through this program, I am continuously developing crucial and practical skills that are necessary to contribute further to the advancement of the insurance industry as a whole.



**Agnes LAU**

Head of Partnership  
AXA General Insurance  
Hong Kong Limited

I thoroughly enjoy my time studying in the EMSC-INS course in HSU. This course provides me with the opportunity to connect with peers from diverse insurance backgrounds. The small class size environment enables us to build strong bonds and take full advantage of the dynamic learning experience despite the pandemic situation.

The program coordinator is very supportive and always tries her best to help us in every aspect. The practical knowledge brought by the teaching professors who had been industry veterans has undoubtedly enriched our learning experience and our insights into the industry itself.



**Meggie TAN**

Senior Regional Manager  
Prudential Hong Kong Limited

EMSC-INS not only involves the transmission of theoretical knowledge, but also the analysis and application of actual cases in the insurance industry. It can truly enable

me to learn a wealth of knowledge, and at the same time I am benefited from the rich and diversified learning methods from this programme. In addition to imparting professional knowledge to us, the professor also invited many industry elites to share their own successful stories and work experience with us, so that we can understand more about the meaning of this programme as well as its importance towards our career in the future.

Moreover, the students are all elites from all fields of the insurance industry, and the teachers here are very welcome to help students solve various difficulties encountered in their studies. In addition, Hong Kong has IANG visa arrangement which allows us to choose whether to stay in Hong Kong or return to the Mainland for further development after graduation. If you come from the mainland and have similar background like me, trust me, this is a school you will like.

## Admission Requirements

- A bachelor's degree from a recognized university or equivalent\*; and
- A minimum of five years' relevant work experience.

\* If the applicant's bachelor's degree was not obtained from a university/ tertiary institution where English is the medium of instruction, he/she needs to fulfil one of the following English language proficiency requirements: TOEFL  $\geq 79$  (internet-based),  $\geq 213$  (computer-based),  $\geq 550$  (paper-based); IELTS  $\geq 6.0$ ; CET 6  $\geq 430$ ; or TEM-4  $\geq 70$

## Tuition Fee (Academic Year 2021/22)

### Local Student

HK\$300,000 (Total 24 Credits)  
HK\$12,500 (per credit)

### Non-Local Student

HK\$375,000 (Total 24 Credits)  
HK\$15,625 (per credit)

The tuition fee covers the whole programme. Deposit payment is HK\$75,000 (local applicant) / HK\$93,750 (non-local applicant). All payments are non-refundable and non-transferable.

## Admission



<https://registration.hsu.edu.hk/pga>

Admissions are open for 2021 intake

## Enquiry



✉ [emsi@hsu.edu.hk](mailto:emsi@hsu.edu.hk)

☎ (852) 3963 5632

🌐 <https://emsi.hsu.edu.hk>

f @hsuhkemscins

in EMSC-INS Programme

Applications should be submitted online through Postgraduate Admission System.

## Qualifications Framework

Hong Kong Council for Accreditation of Academic and Vocational Qualifications (HKCAAVQ) Qualifications Register

Qualification Framework Level : 6  
Registration No. : 20/000380/L6  
Validity Period : 1/9/2020 - 31/8/2023

The Hang Seng University of Hong Kong is incorporated in Hong Kong with limited liability by guarantee.

Information updated as of January 2021.