



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 2022

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

2020 - 2021

Facts and Figures

- 1 300+ undergraduate and postgraduate students
- 1 300+ graduates
- 70+ teaching, research and administrative staff
- secured \$28+ 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

Ms. Margaret CHIU (Member)
Independent Non-Executive Director
Generali Life (Hong Kong) Limited

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

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

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

Siu Kai CHOY, PhD (HKBU)

Associate Professor
Data Mining, Machine Learning, Image Processing

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

Associate Professor
Risk Theory, Stochastic Models for Insurance and Finance

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

Associate Professor
Risk Management, Actuarial Science, Financial Economics, Derivative Pricing, Operations Research

Guo LUO, PhD (Ohio State)

Assistant Professor
Scientific Computing, Actuarial/Insurance Modelling, Financial Mathematics, Computational Fluid Dynamics, Formation of Finite-time Singularities

Tom NG, PhD (CUHK)

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

Jacky LEUNG, PhD (HKBU)

Senior Lecturer
Image Processing, Super-resolution Image Reconstruction, Fractal Image Compression, Image Retrieval

William LIU, PhD (Rochester)

Lecturer
Differential Geometry, Mathematical Physics

Wing Yan TSUI, PhD (HKBU)

Lecturer
Inverse Scattering Theory, Machine Learning, Wave Imaging, Partial Differential Equations, Invisibility

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

Associate Programme Director (Internal), Senior Lecturer
Medical Insurance, Insurance Reserving, Financial Reporting, Insurance Product Premium Calculation, Insurance Risk Management

Benson LAM, PhD (CityUHK)

Associate Professor
Data Mining, Unsupervised Learning, Supervised Learning, Image Processing, Medical Image Processing, Pattern Recognition

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

Associate Professor
Asset Management, Risk Management, Financial Optimization, Option Pricing

Timothy NG, PhD (CUHK)

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

Chi Chung SIU, PhD (TMU)

Assistant Professor
Stochastic Control, Actuarial Mathematics, Financial Mathematics, Operations Research, Stochastic Differential Games

Elaine MO, MSc (CUHK)

Lecturer
Censored Data, Order Statistics

Teachers / Guest Speakers from Industry

Andrew BELLERS LL.M (UCL)

Former General Counsel Asia Pacific
Aon Corporation

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

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

Tony LEE PhD (Tarlac State), LL.M (Wolverhampton), ANZIIF (Fellow), FLMI

Chief Agency Leader
Marsh & McLennan Insurance Services Limited

Karsen WONG DBA (Newcastle), ACII

Former Head of Casualty Department
Munich Reinsurance Company Hong Kong Branch

Benjamin CHANG MBA (CityU Macau), ACII

Former Regional Managing Director
Aon Global Client Network, Asia Region

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.

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

2022/23 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.

Scholarship

Upon graduation, students can also apply for the AR Charitable Foundation Scholarship for EMSC-INS Graduates to pursue further study in MSc in Insurance and Risk Management at the City University of London.

Student Testimonial



Randell Aranza

Customer Care Manager
AXA Hong Kong
and Macau



Agnes LAU

Head of Partnership
AXA General Insurance
Hong Kong Limited



Meggie TAN

Senior Regional Manager
Prudential Hong Kong Limited

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.

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.

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 ≥ 79 (internet-based), ≥ 213 (computer-based), ≥ 550 (paper-based); IELTS ≥ 6.0 ; CET 6 ≥ 430 ; or TEM-4 ≥ 70

Tuition Fee (Academic Year 2022/23)

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 2022 intake

Enquiry



✉ 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 September 2021.