



DEPARTMENT OF  
APPLIED  
MATHEMATICS

PROGRAMME CODE

**63024**

**NORMAL DURATION**

1.5 years (Full-time\*)

3 years (Part-time)

*\* Non-local applicants must be  
registered as full-time students.*

**CREDITS REQUIRED  
FOR GRADUATION**

30 credits

**TYPE OF FUNDING**

Self-financed

**MODE OF STUDY**

Mixed-mode

**INTAKE QUOTA**

60

# MSc in Operational Research and Risk Analysis

運籌及風險分析理學碩士學位



## Programme Aims and Objectives

- To produce graduates with strong operational research, risk analysis and statistical skills and a thorough understanding of their applications in the world of modern operational research and risk analysis.
- To provide a solid theoretical foundation of operational research, risk analysis and statistics to our students, who will then be able to develop an outlook and powerful methodology that remain valuable in whatever careers they pursue in the fast moving world of business, commerce, finance industry and insurance.

## Characteristics

Hong Kong is a gateway between East and West. As a global service centre, it plays a major role in interfacing between suppliers and customers around the world. To retain their leading competitive position in serving international markets, it is crucial for Hong Kong business to embrace best practices in operational research. As a result, companies are increasingly looking for innovative leaders with the vision and skill to manage their logistics. Moreover, this programme provides training in risk analysis so that graduates can serve policy makers and institutional investors, with foci on various types of financial products such as mutual funds and hedge funds.



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## Programme Structure

- ↪ 7 compulsory subjects (21 credits); and
- ↪ 3 elective subjects (9 credits) or a dissertation (9 credits)

## Entrance Requirements

- ↪ A Bachelor's degree with Honours in engineering, computer science, basic science, finance, economics or the equivalent
- ↪ Industrial or business experience will be an asset

## English Requirements

For applicants who are not native English speakers and their Bachelor's degree or equivalent qualification is awarded by institutions where the medium of instruction is not English, they are required to obtain one of the following to ensure that our admittees have reached a compatible English language standard :

- ↪ A TOEFL score of 550 or above for the paper-based test; OR a TOEFL score of 80 or above for the Internet-based test; OR
- ↪ An overall Band Score of at least 6 in the International English Language Testing System (IELTS).

Individual cases will be considered on their own merit by the department. Applicants may be required to attend interviews or tests to further demonstrate their language proficiency.

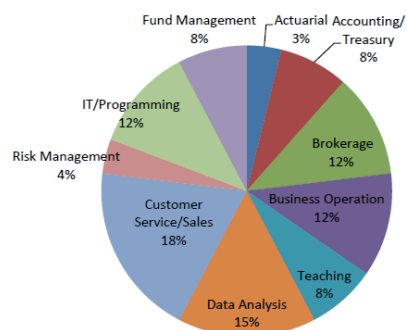
## Other Information

This programme has four subjects that are included in the Continuing Education Fund (CEF) list of reimbursable subjects (for course commencement before March 2023).

## Career Prospects

Graduate would be able to pursue a variety of jobs related to operational research and risk analysis, in areas such as logistics service providers, retail, banking, insurance, procurement/ sourcing and supply chain functions, and modern financial product development and pricing.

Graduate Employment Statistics (2020)



## Enquiry 查詢詳情

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