



General Introduction







HKU Students across faculties

Statistics







Risk Management

Actuarial Science

Engineering

Business & Economics

General Introduction

Departmental Members



Massachusetts Institute of **Technology**









Research &

Teaching

Supporting

Staff



















WISCONSIN







Berkeley





18 **Postdoctoral Fellows**

> Lecturers & **Assistant** Lecturer

10 Associate & **Assistant Professors**

> **Honorary Professors &** Associate Professor (HKU)

> > 11

Chair of Mathematics. Chair Professors & **Professors**

Research **Assistant Professor**















JTGERS















- ✓ The longest history in HK
- ✓ Good **SOlid** education in mathematics
- ✓ The highest standard of excellence in research
- ✓ Great **Career** prospects
- ✓ Internship, Summer research and Exchange opportunities
- ✓ Bridge between academics and the community













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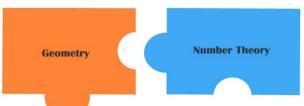


Institute of Mathematical Research

Department of Mathematics, The University of Hong Kong

✓ The highest standard of excellence in research

Research Groups



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Our Major & Minor Programmes

62 Math

Minor in Computational & Financial Mathematics

Minor in
Operations
Research &
Mathematical
Programming

Minor in

Mathematics

Financial athematics

Major in Mathematics (Intensive)

Programmes





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MATH1013

University
Mathematics II

Lavisastal)

MATH2102

Linear Algebra II

MATH2012

Fundamental Concepts of Mathematics

MATH2211

Multivariable Calculus



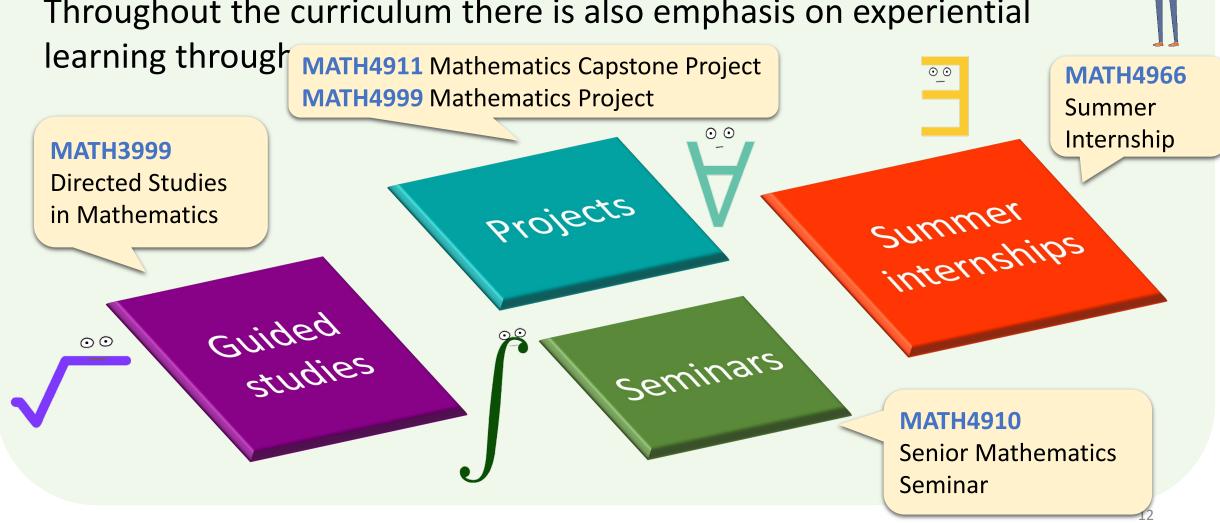
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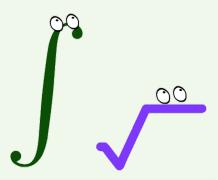
Linear Algebra I

MATH2241

Introduction to Mathematical Analysis

Throughout the curriculum there is also emphasis on experiential





e.g.
MATH3906 Financial
Calculus
MATH4907 Numerical
Methods for Financial
Calculus



Mathematics, **Economics and**

Finance

Computational
Mathematics and
Operations Research





e.g.
MATH3304 Number Theory
MATH4404 Functional Analysis
MATH4501 Geometry

e.g.
MATH3901 Operations
Research I
MATH3904 Introduction to
Optimization
MATH4602 Scientific
Computing

Major in Mathematics



Minor in Economics/ Finance/ Risk Management

Master/PhD in Economics

Master/PhD in Finance

Master/PhD in Risk Management

Major in Mathematics

(Intensive)



Required courses (96 credits):

Introductory level courses (48 credits)

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Advanced level courses (42 credits)

+

Capstone requirement (6 credits)



Major in Mathematics (Intensive)

Required courses (144 credits):

Introductory level courses (48 credits)

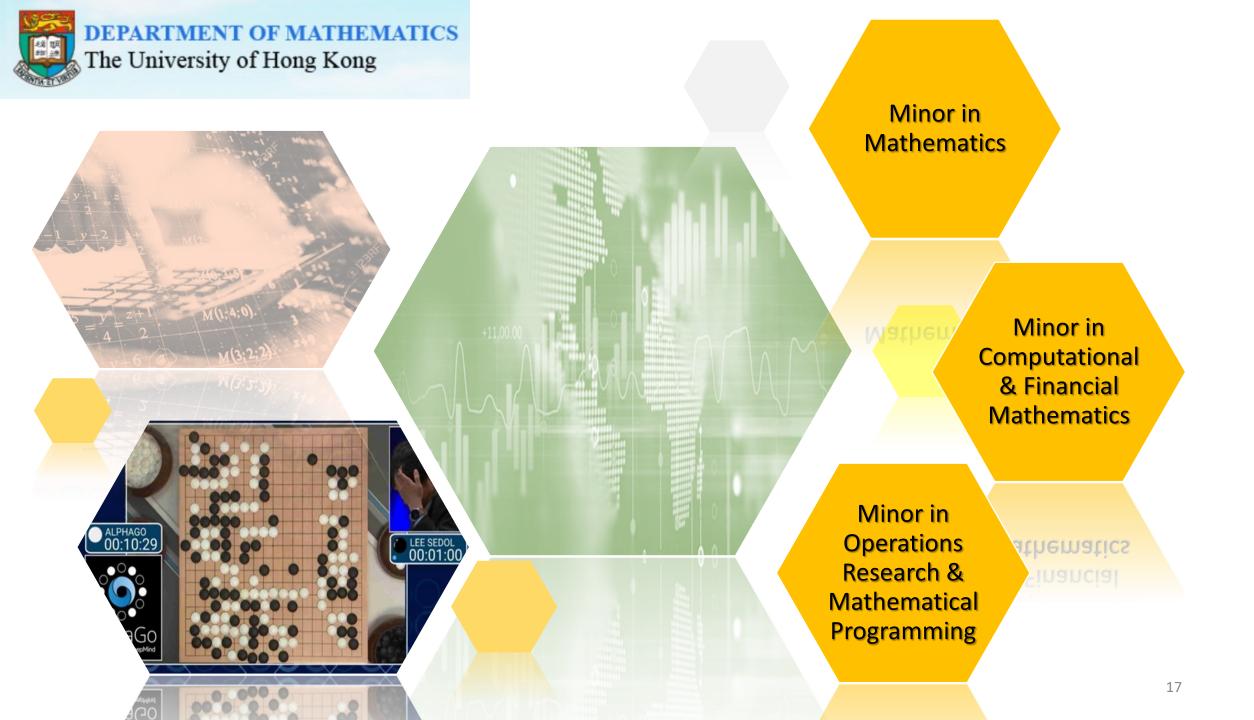
+

Advanced level courses (84 credits)

+

Capstone requirement (12 credits)

Students must have **level 2 or above** in HKDSE Extended **Module 1 or 2 of Mathematics or equivalent** to take these majors. Students who do not fulfill this requirement are advised to take **MATH1011 University Mathematics** I.



Our Minor Programmes

Minor in Mathematics

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Required courses (36 credits):

Introductory level courses (18 credits)

Advanced level courses (18 credits)

Minor in Computational & Financial Mathematics



Required courses (42 credits):

Introductory level courses (18 credits)

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Advanced level courses (24 credits)

Minor in Operations Research & Mathematical
Programming



Required courses (42 credits):

(18 credits)

+

Advanced level courses (24 credits)





Minor in Mathematics

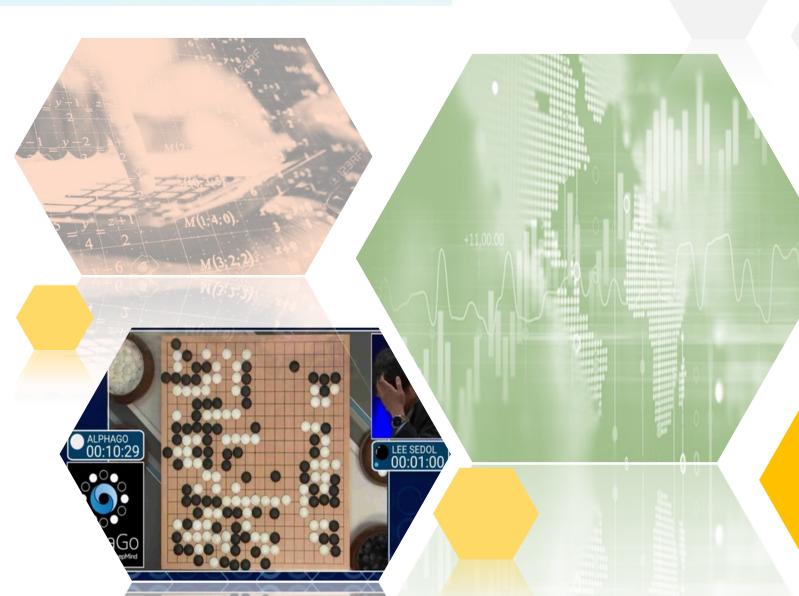
Marher

Minor in Computational & Financial Mathematics

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Minor in Mathematics



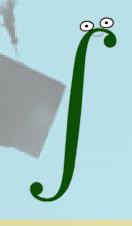
Marhen

Minor in Computational & Financial Mathematics

Minor in
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Research &
Mathematical
Programming

Financial athematics

Career Prospects & Graduate Studies



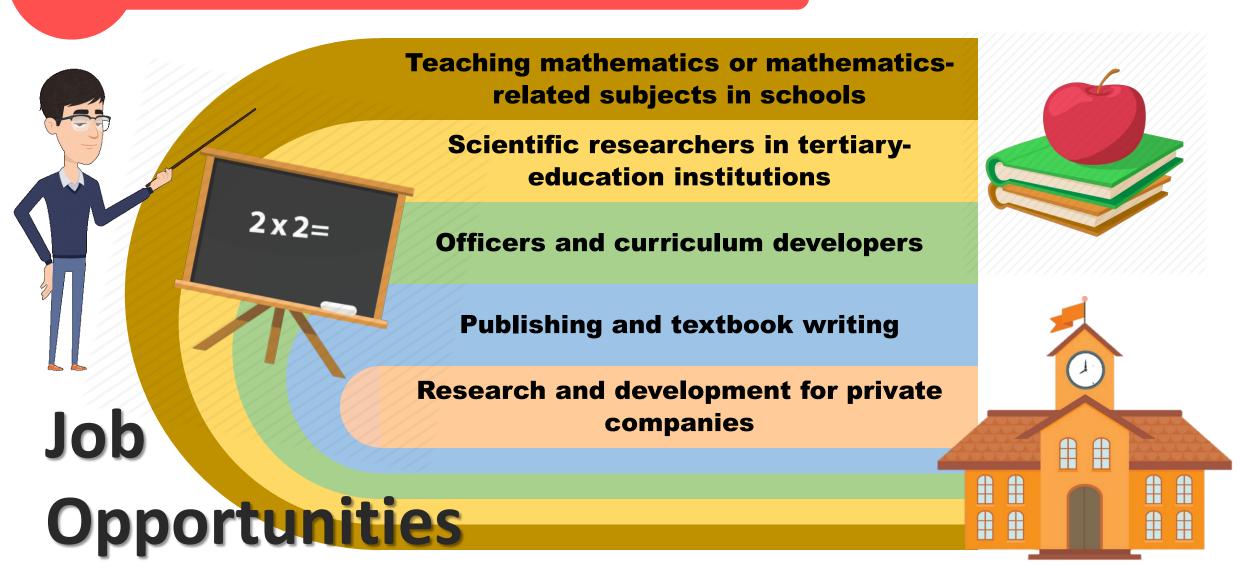
What can I do with a major in

Mathematics?

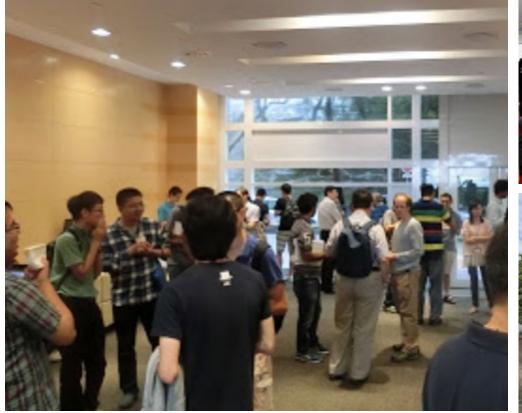
Mathematics Major graduates find employment in COMMERCE (banking and finance), Service industry (insurance and the Government) and education (secondary schools and universities) sectors

Many of our graduates pursue their interests in other disciplines instead, where their mathematical training is a crucial advantage

Career Prospects & Graduate Studies





















Department of Mathematics

The University of Hong Kong

Room 408, Run Run Shaw Building

Tel: 2859 2250 / 2859 2257

E-mail: math@hku.hk

www.math.hku.hk

HKU.MATH



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