



Dr. U.M. Chan

General Introduction







HKU Students across faculties

Statistics







Risk Management

Actuarial Science

Engineering

Business & Economics

General Introduction

Departmental Members



Massachusetts
Institute of
Technology





























10Postdoctoral
Fellows

Lecturers & 1

Assistant Research
Lecturer Assistant
Professor

10Associate &
Assistant

Professors

Honorary Professors & Associate Professor (HKU)

11
Chair Professors &
Professors















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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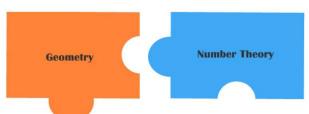


Institute of Mathematical Research

Department of Mathematics, The University of Hong Kong

✓ The highest standard of excellence in research

Research Groups



spects

er research and Exc



Computational Mathematics emics and the con











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Minor in Mathematics

Major in Mathematics

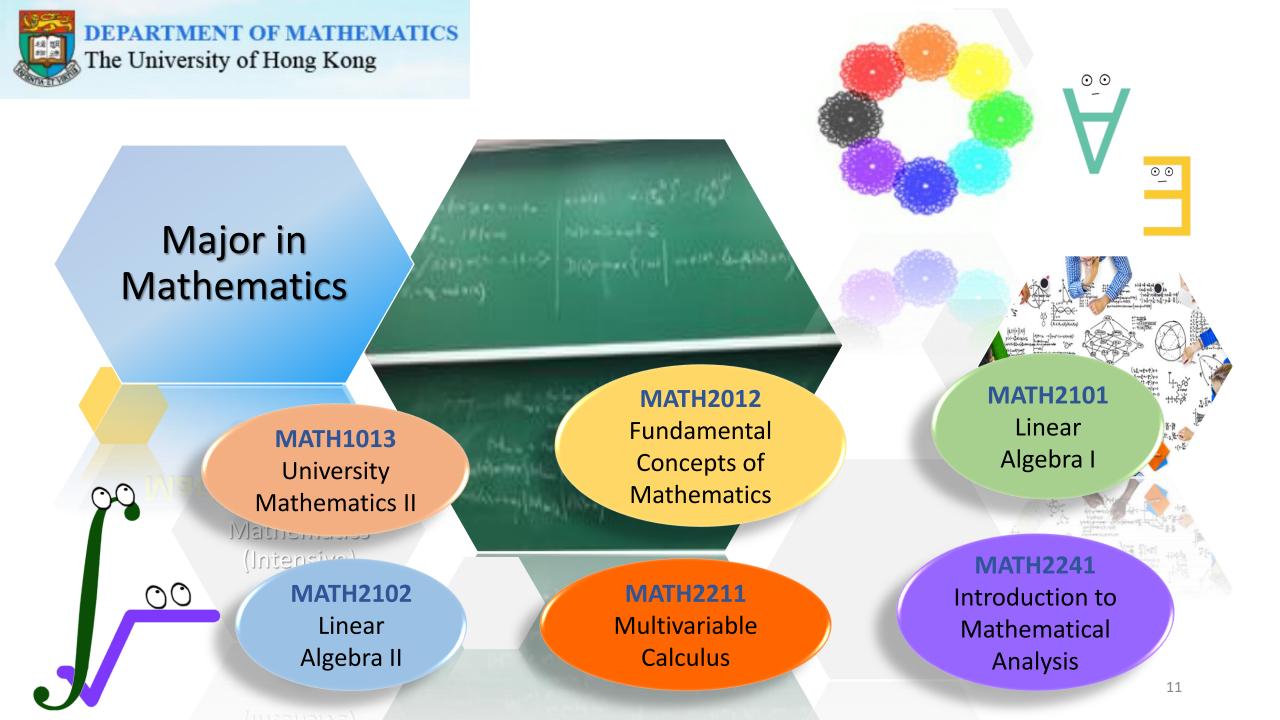
Our Major & Minor
Programmes

Minor in Computational & Financial Mathematics

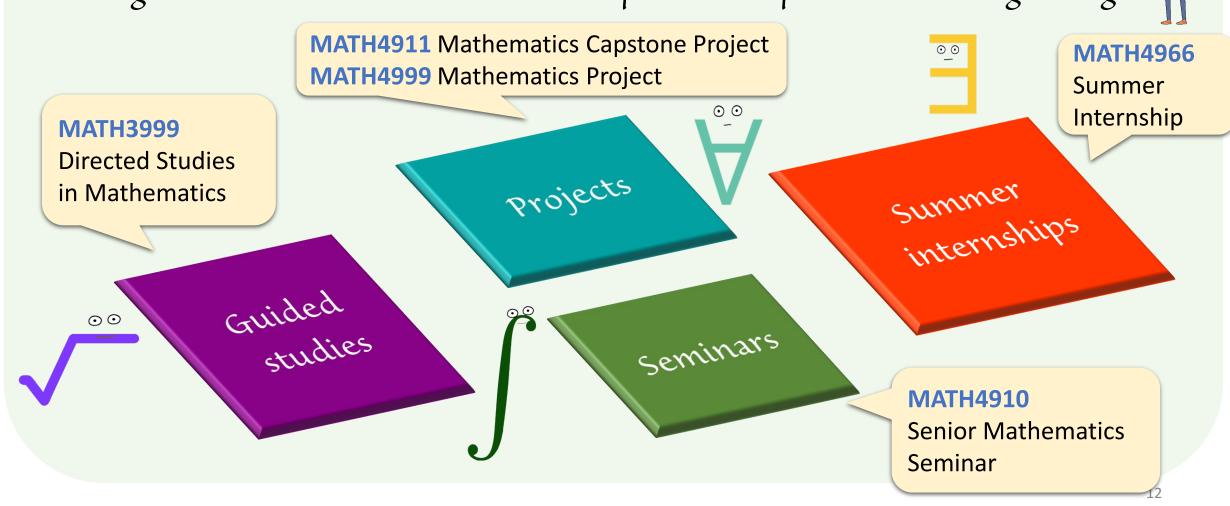
Major in Mathematics (Intensive)

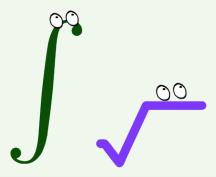
Minor in
Operations
Research &
Mathematical
Programming

Financial athematics



Throughout the curriculum there is also emphasis on experiential learning through





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



Pure Mathematics

Mathematics, Economics and Finance

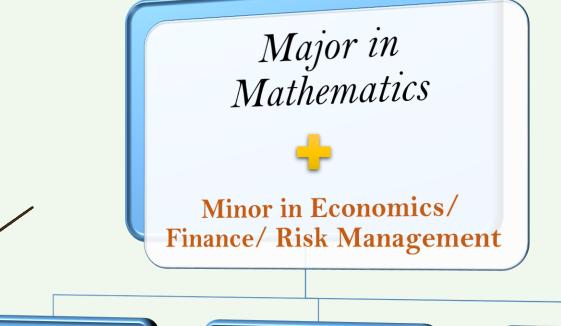
Computational Mathematics and Operations Research





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

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



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)

+

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)

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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

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Minor in Mathematics

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)

Advanced level courses (24 credits)

Minor in Operations
Research &
Mathematical
Programming

Required courses (42 credits):

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Introductory level courses (18 credits)

Advanced level courses (24 credits)





Minor in Mathematics

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Minor in Computational & Financial Mathematics

Minor in
Operations
Research &
Mathematical
Programming

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Minor in Mathematics



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Minor in Computational & Financial Mathematics

Minor in
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Programming

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Career Prospects & Graduate Studies



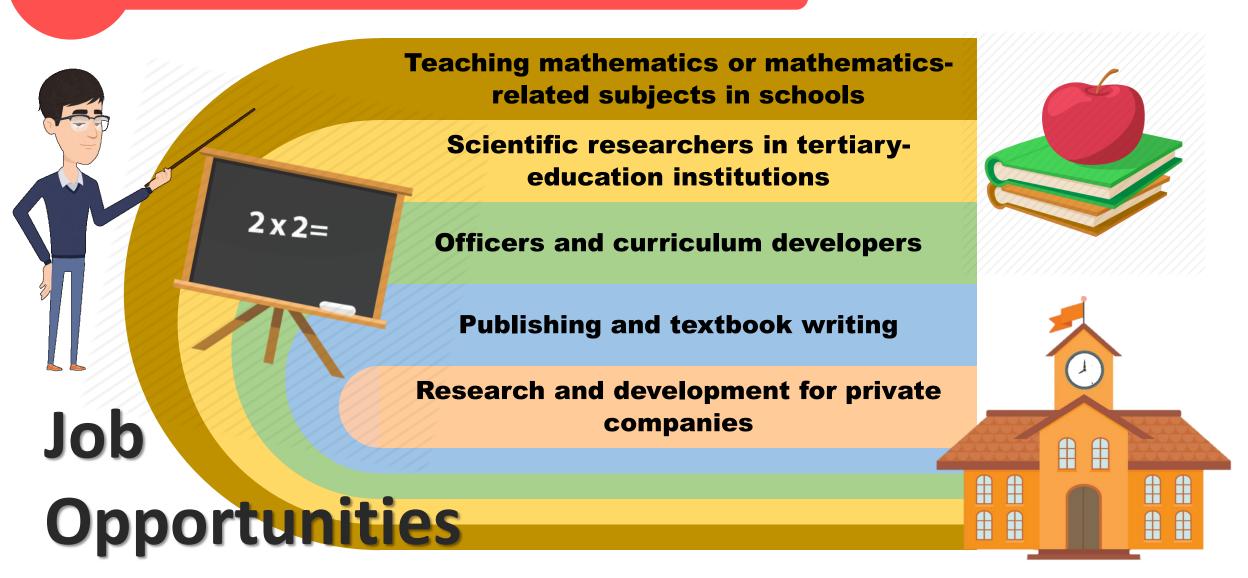
What can I do with a major in

Mathematics?

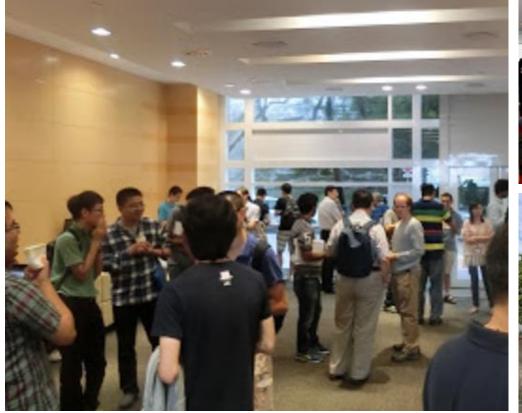
Mathematics Major graduates find employment in COMMERCE (banking and finance), Service industry (insurance and the Government) and education (secondary schools and universities) sectors

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

Career Prospects & Graduate Studies





















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