With capital markets and financial risk management becoming more quantitatively and computationally sophisticated, Financial Mathematics graduates are highly sought after for their skills.

The University of Queensland’s masters programs in Financial Mathematics have been designed to meet industry demand for skilled practitioners.

The programs are tailored to build upon your background in mathematics, commerce or economics/econometrics, while developing essential skills in quantitative and computational analysis, mathematical modelling and stochastic processes.

You will graduate with a thorough understanding of the financial mathematics field and the skills for managing investment portfolios, developing financial products and pricing, and analysing business risk.

The programs will prepare you for a career in banking, insurance, investment, utilities and mining, and in an increasingly broad range of industries in which aspects of contemporary financial markets – such as international exchange rates, futures contracts and options – play a significant role. Equip yourself for a rewarding career in the financial industry, or for entry into a higher research degree in financial mathematics.

Career opportunities

As a Financial Mathematics graduate, your career opportunities include:

• Investment banking
• Retail banking
• Insurance and actuarial
• Risk management in the electricity and mining sectors
• Funds management

future-students.uq.edu.au
LEADING RESEARCH
Ninety-five percent of UQ’s broad fields are now above or well above world standard, and none are below (2015 Excellence in Research for Australia (ERA) assessment).

INTERNATIONAL REPUTATION
UQ is one of only three Australian members of the global Universitas 21, a founding member of the Group of Eight (Go8) universities, and a member of Universities Australia.

ESTEEMED TEACHERS
More national teaching awards than any other Australian University.

GLOBAL LEADER
 Ranked in the top 50 in the world overall (QS World University Rankings, 2015-2016).

SUCCESSFUL GRADUATES
UQ graduates enjoy full-time employment rates and salaries higher than the national average.

WORLD-CLASS FACILITIES
Access state-of-the-art laboratories and research facilities.

VIBRANT CAMPUSES
Dynamic on campus environment, with over 190 sporting and cultural clubs and societies.

YANPEI WENG – Financial Mathematics graduate

Employees who can integrate mathematics and finance are in demand in the financial industry. I chose to study the Master of Financial Mathematics at The University of Queensland for its practical, comprehensive and flexible curriculum, as well as UQ’s global reputation and rankings both in mathematics and finance.

As part of my amazing educational and social experience, I was instructed by talented professors, who increased my knowledge in quantitative finance. This knowledge was valued by employers and helped me to find employment with a top insurance company in China. The mathematical thinking, modeling and computational skills I developed during the program are essential in my current role.

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Program structure

**Master of Financial Mathematics (#24)**

- 24 units (1.5 years full-time or part-time equivalent)
- 32 units (2 years full-time or part-time equivalent)

**Sample courses**

- Numerical Methods in Computational Science
- Financial Risk Management
- Financial Mathematics
- Operations Research and Mathematical Planning
- Applied Mathematical Analysis
- Foundations in Macroeconomics

**Entry requirements**

- Bachelor of mathematics or a bachelor degree majoring mathematics, with UQ or equivalent GPA of 5.5 or above on a 7 point scale.

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**Master of Financial Mathematics (#32)**

Program code 5573
CRICOS Code: 079389K

Bachelor degree with first year university level mathematics (including single-variable and multi-variable calculus, ordinary differential equations and linear algebra). UQ or equivalent GPA of 5.5 or above on a 7 point scale.

**International students: English Proficiency**

IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at http://future-students.uq.edu.au/applying/english-language-proficiency-requirements.

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In the event of any conflict arising from information contained in this publication, the material approved by The University of Queensland Senate shall prevail.