

Double Master's Degree Programme:  
Master of Science in Mathematical Finance  
(Hong Kong Baptist University)  
Master of Science in Financial Markets  
(University of Kent)

**Programme Intended Learning Outcomes (PILOs)**

On completion of the programme, students will be able to:

PILO1: Understand the fundamental principles of mathematical finance and financial engineering

PILO2: Understand existing, as well as proposed new, mathematical models of financial processes and instruments

PILO3: Understand a working knowledge of financial markets and financial contracts in finance industry

PILO4: Seek and interpret information from financial markets

PILO5: Apply trading and investment skills and techniques

PILO6: Report and interpret financial findings in a scientific and concise manner

PILO7: Think logically, analytically, critically and creatively

PILO8: Solve problems independently and collaboratively as part of a team

PILO9: Appreciate the applications and importance of mathematical finance and financial engineering in finance industry

## Alignment of MSc MF Programme LGs (PILOs) to HKBU Graduate Attributes for Taught Postgraduate Graduates

### HKBU Graduate Attributes for Taught Postgraduate Graduates

An education at HKBU aims at developing all aspects of the whole person -- intellectual, professional, moral, spiritual, cultural, social and physical. In particular, it aims to foster the following attributes among its graduates, who should:

- Knowledge of their academic specialty or profession that is in-depth, advanced and up-to-date. (Knowledge);
- The ability to make critical, innovative and independent judgment to evaluate existing knowledge by applying appropriate research methodologies and processes. (Creativity, Skills);
- A sustainable interest in continuous learning for the purpose of tackling the complexities in their professional field. (Learning);
- The ability to synthesize and articulate ideas in a logical way, and with clarity and coherence. (Communication);
- A sense of upholding professional ethics and social responsibility consistent with their roles as local and global citizens. (Citizenship)

### Graduate Attributes – PILOs Mapping Matrix

PILOs/ HKBU Graduate Attributes (GAs)	GA1 Knowledge	GA2 Creativity, Skills	GA3 Learning	GA4 Communication	GA5 Citizenship	<i>No. of GAs addressed by this PILO</i>
PILO1	√	√	√			3
PILO2	√	√	√			3
PILO3	√	√	√			3
PILO4	√	√	√	√	√	5
PILO5	√	√	√	√	√	5
PILO6		√	√	√		3
PILO7		√	√		√	3
PILO8			√	√	√	3
PILO9	√	√	√		√	4
<i>No. of PILOs addressing this GA</i>	6	8	9	4	5	

