MSC (FINANCIAL AND COMPUTATIONAL MATHEMATICS)

Programme Learning Outcomes

Programme Learning Outcomes for MSc (Financial and Computational Mathematics) (NFQ Level 9, Major Award)

On successful completion of this programme, students should be able to:

- Demonstrate technical competence in the computational aspects of financial mathematics;
- Explain the theoretical basis of mathematical models and techniques used in financial applications;
- Outline how this mathematical framework is influenced by the structure of financial markets
- Identify the limitations of mathematical and statistical models applied to real-world scenariosa;
- Apply appropriate programming languages and software packages to the analysis of problems and mathematical models arising in financial applications;
- Conduct and complete a substantial mathematical research project, and defend their findings in front of one or more domain experts.