

# BSC (HONS) MATHEMATICAL SCIENCES

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## Programme Learning Outcomes

Programme Learning Outcomes for BSc in Mathematical Sciences (NFQ Level 8, Major Award)

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

- Apply their knowledge and understanding of the basic concepts, theories, principles and practical methods of the mathematical sciences to analyse and solve theoretical and practical problems;
- Give clear and organized written and verbal explanations of mathematical and statistical ideas;
- Demonstrate mastery of the core concepts of several areas of pure mathematics, applied mathematics and statistics;
- Extend course material to solve original problems;
- Recognize the interdependency of different areas of the mathematical sciences;
- Contribute effectively as members of project teams dealing with mathematical/statistical topics, including the delivery of oral presentations and written reports.