BSC (HONS) (RISK AND ACTUARIAL STUDIES)

Programme Learning Outcomes

Programme Learning Outcomes for BSc (Hons) (Risk and Actuarial Studies) (NFQ Level 8, Major Award)

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

- Effectively utilise probability, mathematical and applied statistical theories, concepts, models, and frameworks as apparatus of thought for risk assessment, risk characterization and risk modelling;
- Identify the major risks faced by an insurance or financial firm and show how these risks can be managed by actuaries and quantitative analysts;
- Apply the actuarial control cycle mechanism in the management of insurance risks;
- Describe the fundamental theories, models and principles of Actuarial Science and carry out a wide range of calculations involved in financial decision making, valuation and risk modelling;
- Use computational methods as fundamental tools in the modelling and management of risk;
- Conduct undergraduate research and be able to present your results in technical and non-technical modes;
- Work in numerate and professional roles in insurance firms, financial institutions, banks, investment management and financial consultancy firms;
- Enter postgraduate research fields in the areas of Mathematical and Actuarial Science;
- Demonstrate the high professional standards required of an actuary or financial risk analyst in terms of behaviour, interpersonal and communication skills as well as a commitment to life-long learning.