# BLESSINGTON CHRISTIAN UNIVERSITY

**KIVIDI-NKAYI, CONGO**
www.blessington-christian-university.com

## Mathematics with Finance Bsc Honors

- Full time
- 3 years
- Next start date:
- Fees (per year):
- Entry requirements: Baccalaureat C, D or E

## MODULES YEAR I

| Compulsory Modules | Credits |
|---|---|
| Introduction to Finance Accounting | 20 |
| Introduction to Management Accounting and Finance | 20 |
| Introduction to Calculus | 20 |
| Introduction to Probability & Statistics | 20 |
| Introductory to Algebra | 20 |
| Multivariable Calculus & Differential Equations | 20 |

## MODULES YEAR II

| Compulsory Modules | Credits |
|---|---|
| Interpreting Company Accounts | 20 |
| Corporate Finance | 20 |

## MODULES YEAR III

| Compulsory Modules | Credits |
|---|---|
| Case Studies in Finance, Accounting and Business | 20 |
| International Financial Management | 20 |

| Optional Modules | Credits |
|---|---|
| Methods for Differential Equations & Partial Differential Equations & Non-Linear Waves | 20 |
| Quantum Mechanics & Classical Fields | 20 |
| Advanced Fluid Dynamics & Computational Modelling | 20 |
| Relativity, Variational Methods & Lagrangian Dynamics | 20 |
| Linear & Generalised Linear Models | 20 |
| Stochastic Financial Modelling & Bayesian | 20 |
| Stochastic Inference & Big data Analytics | 20 |
| Discrete Stochastic Modelling & Survival Analysis | 20 |

## TEACHING AND ASSESSMENT

**Teaching methods:**
1. Lectures
2. Tutorials and drop-in sessions
3. Online classes

**Assessment methods:**
1. Written assignment
2. Practical examinations
3. Online examinations