

2021-0373

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**THE CATHOLIC UNIVERSITY OF
EASTERN AFRICA**

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**BACHELOR OF SCIENCE IN
ACTUARIAL SCIENCE
PROGRAMME**

**Submitted to:
The Commission of Higher Education, Nairobi**

September, 2012

This Degree Programme Was
approved by the Commission for
Higher Education on:

14 DEC 2012

W. K. K. K.
Authorized Signature

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2.0 The Curriculum

2.0.1 Philosophy of the Programme

In consonance with the University philosophy of providing holistic education, the BSc programme in Actuarial Science aims at imparting knowledge, skills and ethical practices to enable the graduate to effectively serve the Church and society.

2.1 Rationale for the Programme

Rationale for the course

The Proposed Bachelor of Science Degree in Actuarial Science main goal is to provide technical expertise for evaluating and managing financial risks, particularly those associated with insurance companies and pension funds. Kenya in particular and Africa in general, have very few qualified actuaries who work in insurance companies and consultancy practices. There is, therefore, an urgent need for appropriately trained personnel in Actuarial Science to provide services and advice to various sectors of the economy.

To achieve this goal, the programme aims at developing student's faculties in rigorous reasoning and precise expression in an actuarial context and capacities to formulate and solve problems.

2.2 Expected Learning Outcomes of the programme

At the end of the programme the students should be able to:

- i) Provide managerial and technical expertise in industry
- ii) Evaluate and manage financial risks in finance related institutions
- iii) Make business decisions based on scientific, economic analysis of the environment
- iv) Uphold and apply professionalism and ethical standards in the workplace
- v) Pursue postgraduate and other professional qualifications in the field of Actuarial Science

2.3 Target Groups

The programme targets the following groups;

- (i) Secondary school graduates.
- (ii) Diploma Holders in Statistics and related fields.

2.4 Academic Regulations for the Programme

2.4.1 Admission Requirements

- (a) The "Common Regulations" for all Bachelor degrees in the University shall apply.
- (b) The Department will admit applicants with a minimum grade of B in Mathematics at the Kenya Certificate of Secondary Education Examination or its equivalent or applicants with at least a principal pass in Mathematics at the Kenya Advanced Certificate of Education examination or its equivalent or holders of diploma in statistics or related areas with at least credit pass of the Kenya National Examination Council or its equivalent.